

CS. LAFERTE RIVER

N-54

Drilling Authority No. 246  
Date Issued 20-12-66

WELL NAME CS Laferte River N-54  
FIELD Wildcat  
LOCATION: Unit N Area:  
Section 54 Grid 61-50 - 118-45  
Latitude 61-43-52.5 Longitude 118-55-32.8125  
From Established Reference Marker

U W L R 61.73125 - 118.92578  
U W I No. 300N546150118450

Rig Release Date: 6-4-67  
Status D-A  
Information Release Date

CHANGE OF NAME:

| DATE RECEIVED | INDEX                                                                  |
|---------------|------------------------------------------------------------------------|
| DEC 20 1966   | Application for a Drilling Authority.                                  |
| 24-1-67       | Well Completion Data.                                                  |
|               | Well History Report.                                                   |
|               | Application to Amend a Drilling Authority.                             |
|               | Application to change a Well Name.                                     |
| AUG 24 1967   | Application to Abandon a Well or Suspend Drilling.                     |
|               | Application to Alter Condition of a Well.                              |
|               | Well History Supplement.                                               |
|               | Well Completion Data.                                                  |
|               | Work-over Report No.                                                   |
|               | Application to Commingle Production before Measurement.                |
|               | Data for Back Pressure Test on Natural Gas Wells — Monograph 7 Method. |
|               | Data for Back Pressure Test on Natural Gas Wells — Vitter's Method.    |
|               | M.P.R. — Oil — Calculations.                                           |
|               | New Oil Well Report.                                                   |
|               | New Gas Well Report.                                                   |
|               | Well Inspection Report.                                                |
|               | Rig Inspection Report.                                                 |
|               | Battery inspection Report.                                             |
|               | Equipment Report.                                                      |
|               | Well Card.                                                             |
|               | New Service Well Report.                                               |
|               | Monthly Water Flood Operations Report                                  |
|               | Monthly Water Receipts and Disposal of Fluids Report                   |
|               | Logs. Large scale Small scale                                          |

## WELL COMPLETION DATA

**WELL COMPLETION DATA**  
To be submitted in duplicate within thirty days after the completion, rework, abandonment, recompletion or suspension of every well.

Well name and number CS LAFORTE RIVER N-54

Permit No. 4059

**Lease No.**

Canada-Cities Service Petr. Corp. Exploratory Licence No. 1022  
(Overlitho, Litho, Lease)

Canada-Cities Service Petr. Corp. Exploratory Licence No. 1022

Location: Unit N Section 54

Grid 61°50' N. Lat, 118°45' W Long

Latitude. 61°43' 52.5"N

Longitude 118°55' 32.8125" W

**From Established Reference Marker**

Universal Well Location Reference Lat.  $61.73125^{\circ}$  N. Long.  $118.92578^{\circ}$

|                    | DATE      | DEPTH |
|--------------------|-----------|-------|
| Spudded            | Mar 26/67 |       |
| Suspended          |           |       |
| Resumed            |           |       |
| Finished Drilling  | Apr. 5/67 | 1780' |
| Deepened           |           |       |
| Complete (gas/oil) |           |       |
| Abandoned          | Apr. 6/67 |       |
| Rig released       | Apr. 6/67 |       |

Pool (π)

Interval(s) open to production

Elevation: Gr. 821

K.B. 827

Drilling Contractor & Rig No. **Tri-City Drlg. Rig #5**

Contractor's Business Licence No. 18121

## CASING RECORD

| Casing Size (Inches) | Grade | Weight | Amount | Set at— | Sacks of Cement and Additives             |
|----------------------|-------|--------|--------|---------|-------------------------------------------|
| 1. 5"                | T&C   |        | 162'   | 162'    | 40 sxs cement<br>+ ½ sx CaCl <sub>2</sub> |
| 2.                   |       |        |        |         |                                           |
| 3.                   |       |        |        |         |                                           |
| 4.                   |       |        |        |         |                                           |
| 5.                   |       |        |        |         |                                           |
| 6.                   |       |        |        |         |                                           |

[illegible]





**DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES**  
**RESOURCE MANAGEMENT DIVISION**

**Application to Abandon a Well or Suspend Drilling**

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to abandon, to suspend drilling:—

Name and number of well ..... CS LAFERTE RIVER N-54  
Location: Unit ..... N ..... Section ..... 54 ..... Grid 61°50' N, Lat, 118°45' W. Long.  
Latitude ..... 61°43' 52.5" N ..... Longitude 118° 55' 32.8125" W  
From Established Reference Marker .....

Permit No. 4059

Lease No. ....

Canada-Cities Service Petr. Corp.  
(Operator, Licensee, Lessee)

Date of commencement of proposed program .....

**OIL, GAS, AND WATER ENCOUNTERED**  
(Depths)

Oil at .....  
Gas at .....  
Water at .....  
Total Depth ..... 1780' ..... Date of last operations ..... April 5th, 1967  
Present condition of well ..... D & A .....

**CASING RECORD**

| Casing Size O.D. Inches | Weight | Amount | Set At— | Sack of Cement and Additives                | Amount Pulled |
|-------------------------|--------|--------|---------|---------------------------------------------|---------------|
| 1. 5"                   | T & C  | 162'   | 162'    | 40 sxs cement<br>+ 1/2 sx CaCl <sub>2</sub> | None          |
| 2.                      |        |        |         |                                             |               |
| 3.                      |        |        |         |                                             |               |
| 4.                      |        |        |         |                                             |               |
| 5.                      |        |        |         |                                             |               |

**PROPOSED ABANDONMENT PROGRAM**

| Plug |             | Geological Formation      | Number of Sacks of Cement | Remarks                             |
|------|-------------|---------------------------|---------------------------|-------------------------------------|
| No.  | Position    |                           |                           |                                     |
| 1    | 1780-1250'  | Pre-Cambrian-U. Devonian  | 53                        |                                     |
| 2    | 300 - Surf. | U. Devonian-Glacial Drift | 30                        |                                     |
|      |             |                           |                           | Screwed on plate<br>April 6th, 1967 |
|      |             |                           |                           |                                     |
|      |             |                           |                           |                                     |
|      |             |                           |                           |                                     |

The following logs have been run ..... Wideo E. Log 1780' - 162', Wideo Gamma Ray 1780' - 0'  
Other operations proposed .....

Operations to be carried out by ..... Tri City Drlg Co. .... Contractor Licence No. 18121  
Address 14305 - 120 Ave. Edmonton ..... Address .....

Responsible Agent in field ..... Mr. F.M. Dwyer .....

Dated at ..... Calgary ..... this ..... 21st. .... Day of ..... August ..... 19 67 .....

Signed by ..... [Signature] ..... Company ..... Canada-Cities Service Petr. Corp.  
Title ..... Chief Geologist ..... Operator's Exploratory Licence No. 1022 .....

Note:—The Oil Conservation Engineer's office must be notified before work is commenced.

(For RESOURCE MANAGEMENT DIVISION use only)

**APPROVAL**

This application has been examined and proposed programme approved, subject to the following conditions:

Confirming oral approval given by Mr. B.H.J. Thoms

Dated ..... 24th August 1967 ..... , 19 .....

[Signature]  
Oil Conservation Engineer

Forms to be submitted in triplicate to Oil Conservation Engineer, Calgary, Alberta



## Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well CS LAFORTE RIVER N-54  
Location: Unit N Section 54 Grid 61°50' N, Lat. 118°45' W Long  
Latitude 61°43' 52.5" N Longitude 118° 55' 32.8125" W  
From Established Reference Marker \_\_\_\_\_

Elevation: Est 805' K.B. feet above sea-level.

Well is expected to produce from Slave Point formation at a depth  
of about 1285' feet.

Area assigned to well \_\_\_\_\_  
(for Oil Conservation Engineer's use only)

Permit No. 4059 Lease No. \_\_\_\_\_ Acreage 60,622 acres  
Permittee, licensee, or lessee Canada-Cities Service Petroleum Corporation  
Exploratory Licence No. 1022  
Surface owned by Crown or Crown  
(If alienated submit name and address of owner and occupant.)

Petroleum and natural-gas rights owned by Crown

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

| Casing Size O.D. (Inches) | Weight (Lb./Ft.) | Grade       | Brand | New or Used | Estimated Depth | Backs of Cement |
|---------------------------|------------------|-------------|-------|-------------|-----------------|-----------------|
| 1. <u>5 1/2"</u>          | <u>14</u>        | <u>J-55</u> |       | <u>New</u>  | <u>150'</u>     |                 |
| 2. _____                  |                  |             |       |             |                 |                 |
| 3. _____                  |                  |             |       |             |                 |                 |
| 4. _____                  |                  |             |       |             |                 |                 |
| 5. _____                  |                  |             |       |             |                 |                 |

Expected water, gas, and oil horizons and type of control equipment.  
All horizons to be controlled with drilling fluid of proper density  
B.O.P's 8" - 600 series, double Guibersons 2 3/8" Rams and Blind Rams

Well will be drilled with (Rotary) Rig No. 7 by Tri-City Drilling Co. Ltd.  
(Cable ) (Drilling Contractor or company)

14305 - 120 Avenue, Edmonton, Alberta

Responsible agent of applicant:— Contractor's Business Licence No. 24241  
At well Mr. F.M. Dwyer At registered office Mr. W.J. Mooney  
Address 1100 Calgary House, Calgary Address 1100 Calgary House, 6th. Ave., SW, Calgary  
It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary this 14th day of December 19 66  
Signed by W.J. Mooney Company Canada-Cities Service Petr. Corp.  
Title Chief Geologist Operator's Licence No. 1022

(For Resource Management Division use only)

### APPROVED

This application has been examined and approved subject to the following conditions:—  
The Company will submit to this office on Tuesday of each week, the  
latest reports received by radio on the progress of the well.

Dated 20th December, 19 66

Beth Thomas  
Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.

## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

## BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| RIG No. 5 LOCATION La Jolla river N-54 AREA DATE April 6 1969 |   | REMARKS                       |  | Time  |      |          |
|---------------------------------------------------------------|---|-------------------------------|--|-------|------|----------|
|                                                               |   |                               |  | Start | Stop | Interval |
| Tour — Midnight - 8 a.m.<br>Specify actual hours worked Hrs.  |   | Running Cement<br>Tearing out |  | 0000  | 0400 |          |
| Driller <i>Alvin Hatcher</i>                                  | 8 |                               |  | 0400  | 0800 |          |
| Derrick <i>Harner Clark</i>                                   | 8 |                               |  |       |      |          |
| Floor <i>Alfred</i>                                           |   |                               |  |       |      |          |
| Floor <i>A. Grahamson</i>                                     | 8 |                               |  |       |      |          |
| Floor                                                         |   |                               |  |       |      |          |
| Motor <i>Don Clark</i>                                        | 8 |                               |  |       |      |          |
| Mechanic                                                      |   |                               |  |       |      |          |
| Extra                                                         |   |                               |  |       |      |          |
| Injuries:                                                     |   |                               |  |       |      |          |
| Fires:                                                        |   |                               |  |       |      |          |
| Tour — 8 a.m. to 4 p.m.<br>Specify actual hours worked Hrs.   |   |                               |  |       |      |          |
| Driller <i>Jim Handford</i>                                   | 8 |                               |  |       |      |          |
| Derrick <i>Leonard Roller</i>                                 | 8 |                               |  |       |      |          |
| Floor <i>Don Clark</i>                                        | 8 |                               |  |       |      |          |
| Floor                                                         |   |                               |  |       |      |          |
| Floor                                                         |   |                               |  |       |      |          |
| Motor                                                         |   |                               |  |       |      |          |
| Mechanic                                                      |   |                               |  |       |      |          |
| Extra                                                         |   |                               |  |       |      |          |
| Injuries:                                                     |   |                               |  |       |      |          |
| Fires:                                                        |   |                               |  |       |      |          |
| Tour — 4 p.m. to Midnight<br>Specify actual hours worked Hrs. |   |                               |  |       |      |          |
| Driller <i>Alfred Witzguck</i>                                | 8 |                               |  |       |      |          |
| Derrick <i>Ron Bisset</i>                                     | 8 |                               |  |       |      |          |
| Floor <i>Don Clark</i>                                        | 8 |                               |  |       |      |          |
| Floor                                                         |   |                               |  |       |      |          |
| Floor                                                         |   |                               |  |       |      |          |
| Motor                                                         |   |                               |  |       |      |          |
| Mechanic                                                      |   |                               |  |       |      |          |
| Extra                                                         |   |                               |  |       |      |          |
| Injuries:                                                     |   |                               |  |       |      |          |
| Fires:                                                        |   |                               |  |       |      |          |

Orco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher

D.P. Test-Operated

Time

Results

Total Company Time Hrs.

Approved by



# BOARD DAY WORK RECORD

**NOTE**—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| RIG No. 5 LOCATION La fute river N-54 AREA DATE April 5 1967 |  |  |  |  |  |  |  |  |  | REMARKS      |      | Time        |  |  |  |
|--------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--------------|------|-------------|--|--|--|
| Tour — Midnight - 8 a.m.                                     |  |  |  |  |  |  |  |  |  | Start        | Stop | Interval    |  |  |  |
| Specify actual hours worked Hrs.                             |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Driller Alvin Ketcher 8                                      |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Derrick Harold Clark 8                                       |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor Alford 8                                               |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor K. K. K. 8                                             |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Motor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Mechanic                                                     |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Extra                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Injuries:                                                    |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Fires:                                                       |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Tour — 8 a.m. to 4 p.m.                                      |  |  |  |  |  |  |  |  |  | Company Time |      | Cont'r Time |  |  |  |
| Specify actual hours worked Hrs.                             |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Driller Jim Sandford 8                                       |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Derrick Leonard R. 8                                         |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor Don Clark 8                                            |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Motor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Mechanic                                                     |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Extra                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Injuries:                                                    |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Fires:                                                       |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Tour — 4 p.m. to Midnight                                    |  |  |  |  |  |  |  |  |  | Company Time |      | Cont'r Time |  |  |  |
| Specify actual hours worked Hrs.                             |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Driller Alford Withmire 8                                    |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Derrick Ken Bly 8                                            |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor Jim Leland 8                                           |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Floor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Motor                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Mechanic                                                     |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Extra                                                        |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Injuries:                                                    |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |
| Fires:                                                       |  |  |  |  |  |  |  |  |  |              |      |             |  |  |  |

Totco Ring on Bit No. \_\_\_\_\_ D.P. Calipered Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
B.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher  
Total Company Time \_\_\_\_\_ Hrs. Approved



## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

BOARD

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION La Jolla river N-S4 AREA DATE April 4 1967

| Tour — Midnight - 8 a.m.        |   | From | Footage | To   | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |      |      | FUEL | WATER | COAL  | Stands | REMARKS |  |  | Time  |      |          |
|---------------------------------|---|------|---------|------|----------------|------------------------------|---------------|------|------|------|-------|-------|--------|---------|--|--|-------|------|----------|
| Specify actual hours worked     |   |      |         |      |                |                              | No.           | O.D. | I.D. | Wgt. | Gals. | Bbls. | Tons   |         |  |  | Start | Stop | Interval |
| Driller <u>Alvin Hetchler</u>   | 8 | 1622 | 48      | 1670 |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Derrick <u>Donnet Clark</u>     | 8 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Floor <u>Alfred</u>             |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Floor <u>Abrahamson</u>         | 9 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Motor                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Mechanic                        |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Extra                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Injuries:                       |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Fires:                          |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Tour — 8 a.m. to 4 p.m.         |   | From | Footage | To   | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |      |      | FUEL | WATER | COAL  | Stands | REMARKS |  |  | Time  |      |          |
| Specify actual hours worked     |   |      |         |      |                |                              | No.           | O.D. | I.D. | Wgt. | Gals. | Bbls. | Tons   |         |  |  |       |      |          |
| Driller <u>Jim Handford</u>     | 8 | 1670 | 8       | 1678 |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Derrick <u>Leonard</u>          | 8 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Floor <u>Rollins</u>            |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Floor <u>Don Clark</u>          | 8 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Motor                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Mechanic                        |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Extra                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Injuries:                       |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Fires:                          |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Tour — 4 p.m. to Midnight       |   | From | Footage | To   | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |      |      | FUEL | WATER | COAL  | Stands | REMARKS |  |  | Time  |      |          |
| Specify actual hours worked     |   |      |         |      |                |                              | No.           | O.D. | I.D. | Wgt. | Gals. | Bbls. | Tons   |         |  |  |       |      |          |
| Driller <u>Alfred Wittigrek</u> | 8 | 1678 | 39      | 1717 |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Derrick <u>Ken Byatt</u>        | 8 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Floor <u>Van Island</u>         | 8 |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Motor                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Mechanic                        |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Extra                           |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Injuries:                       |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |
| Fires:                          |   |      |         |      |                |                              |               |      |      |      |       |       |        |         |  |  |       |      |          |

Totco Ring on Bit No. \_\_\_\_\_ D.P. Calipered Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
 B.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher \_\_\_\_\_  
 Total Company Time \_\_\_\_\_ Hrs. Approved by \_\_\_\_\_

## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

BOARD

DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| RIG No. 5                        |                      | LOCATION La Jolla river |      | N-54     |  | AREA |  | DATE April 3 1962 |  | REMARKS              |  | Time |      |  |
|----------------------------------|----------------------|-------------------------|------|----------|--|------|--|-------------------|--|----------------------|--|------|------|--|
|                                  |                      | Start                   | Stop | Interval |  |      |  |                   |  |                      |  |      |      |  |
| Tour — Midnight — 2 a.m.         |                      | 1532 26                 |      | 1558     |  |      |  |                   |  | Drilling             |  | 0700 | 0700 |  |
| Specify actual hours worked Hrs. |                      |                         |      |          |  |      |  |                   |  | Trip out for new bit |  | 0700 | 0700 |  |
| Driller                          | Allen Hatcher        |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Derrick                          | Harriet Clark        |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            | Harriet & Abrahamson |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Motor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Mechanic                         |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Extra                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Injuries:                        |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Fires:                           |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Tour — 2 a.m. to 4 p.m.          |                      | 1558 32                 |      | 1590     |  |      |  |                   |  | Company Time         |  | 0700 | 0900 |  |
| Specify actual hours worked Hrs. |                      |                         |      |          |  |      |  |                   |  | Cont'r Time          |  | 0900 | 1600 |  |
| Driller                          | Jim Handford         |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Derrick                          | Leonard              |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            | Roller               |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            | Don Clark            |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Motor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Mechanic                         |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Extra                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Injuries:                        |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Fires:                           |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Tour — 4 p.m. to Midnight        |                      | 1590 32                 |      | 1622     |  |      |  |                   |  | Drilling             |  | 1600 | 2300 |  |
| Specify actual hours worked Hrs. |                      |                         |      |          |  |      |  |                   |  | Trip out             |  | 2300 | 2400 |  |
| Driller                          | Alfred Wittmann      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Derrick                          | Ken Burt             |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            | Wendell Blum         |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Floor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Motor                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Mechanic                         |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Extra                            |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Injuries:                        |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |
| Fires:                           |                      |                         |      |          |  |      |  |                   |  |                      |  |      |      |  |

Tool Ring on Bit No. \_\_\_\_\_ D.P. Calibrated Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
E.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher \_\_\_\_\_  
Total Company Time \_\_\_\_\_ Hrs. Approved by \_\_\_\_\_

## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

BOARD

## DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION La Bute river AREA N-54 DATE April 2 1967

| Tour — Midnight - 8 a.m.    |                       | From        | Footage   | To            | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |        |             |          | FUEL        | WATER | COAL      | Stands  |
|-----------------------------|-----------------------|-------------|-----------|---------------|----------------|------------------------------|---------------|--------|-------------|----------|-------------|-------|-----------|---------|
| Specify actual hours worked |                       | No.         | Size      | Type          | Size Jets      | Serial No.                   | Weight        | R.P.M. | Ft. Drilled | Hrs.     | Feet Reamed | Hrs.  | CONDITION | Singles |
| Driller                     | <u>Alvin Ketcher</u>  | <u>1423</u> | <u>43</u> | <u>1466</u>   |                |                              |               |        | <u>43</u>   | <u>7</u> |             |       |           |         |
| Derrick                     | <u>Bryant Clark</u>   | <u>10</u>   | <u>4</u>  | <u>DAKOTA</u> |                | <u>721</u>                   |               |        |             |          |             |       |           |         |
| Floor                       | <u>1</u>              |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       | <u>Abrahamson</u>     |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Motor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Mechanic                    |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Extra                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Injuries:                   |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Fires:                      |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Tour — 8 a.m. to 4 p.m.     |                       | From        | Footage   | To            | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |        |             |          | FUEL        | WATER | COAL      | Stands  |
| Specify actual hours worked |                       | No.         | Size      | Type          | Size Jets      | Serial No.                   | Weight        | R.P.M. | Ft. Drilled | Hrs.     | Feet Reamed | Hrs.  | CONDITION | Singles |
| Driller                     | <u>Jim Handford</u>   | <u>1466</u> | <u>32</u> | <u>1498</u>   |                |                              |               |        | <u>32</u>   | <u>7</u> |             |       |           |         |
| Derrick                     | <u>Leonard</u>        | <u>10</u>   | <u>4</u>  | <u>DAKOTA</u> |                | <u>721</u>                   |               |        |             |          |             |       |           |         |
| Floor                       | <u>Rocky</u>          |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       | <u>Sam Clark</u>      |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Motor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Mechanic                    |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Extra                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Injuries:                   |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Fires:                      |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Tour — 4 p.m. to Midnight   |                       | From        | Footage   | To            | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |        |             |          | FUEL        | WATER | COAL      | Stands  |
| Specify actual hours worked |                       | No.         | Size      | Type          | Size Jets      | Serial No.                   | Weight        | R.P.M. | Ft. Drilled | Hrs.     | Feet Reamed | Hrs.  | CONDITION | Singles |
| Driller                     | <u>Robert Willard</u> | <u>1498</u> | <u>44</u> | <u>1532</u>   |                |                              |               |        | <u>34</u>   | <u>7</u> |             |       |           |         |
| Derrick                     | <u>Ken Bisset</u>     | <u>11</u>   | <u>4</u>  | <u>DAKOTA</u> |                | <u>668</u>                   |               |        |             |          |             |       |           |         |
| Floor                       | <u>Ken Bisset</u>     |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Floor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Motor                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Mechanic                    |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Extra                       |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Injuries:                   |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |
| Fires:                      |                       |             |           |               |                |                              |               |        |             |          |             |       |           |         |

REMARKS

Run in hole  
Drilling

0000 0100  
0100 0500

Company Time Cont'r Time

Drilling

0800 1500  
1500 1600

Trips Out for new bit

Company Time Cont'r Time

Run in hole  
Drilling

1600 1700  
1700 2400

Totco Ring on Bit No.

D.P. Calipered Date

Results

From Pipe Rack

Total Contractor Time Hrs.

Toolpusher

B.O.P. Test-Operated

Time

Results

Total Company Time Hrs.

Approved by



## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

## BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| RIG No.                                                                                                                                                                          | LOCATION        | N-S  | AREA | DATE          | REMARKS | Time  |      |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|------|---------------|---------|-------|------|----------|
|                                                                                                                                                                                  |                 |      |      |               |         | Start | Stop | Interval |
| 5                                                                                                                                                                                | La Jute river   | N-54 |      | April 1, 1967 |         |       |      |          |
| Tour — Midnight - 8 a.m.<br>Specify actual hours worked Hrs.                                                                                                                     |                 |      |      |               |         |       |      |          |
| Drill                                                                                                                                                                            | Alvin Hitchler  |      |      |               |         |       |      |          |
| Derrick                                                                                                                                                                          | Alfred          |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            | A. Harrison     |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            | Harold Clark    |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Motor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Mechanic                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Extra                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Injuries                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Fires                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.) DRILL COLLARS FUEL WATER COAL Stands<br>No. O.D. I.D. Wgt. Gals. Bbls. Tons<br>1215 119 1337                         |                 |      |      |               |         | 0000  | 0700 |          |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION<br>8 4 4 HUGHES MD790 119 7                                                         |                 |      |      |               |         | 0700  | 0500 |          |
| MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change<br>WEIGHT VISCOSITY GEL                                                                  |                 |      |      |               |         |       |      |          |
| Pumps: No. 1 Pressure Model S.P.M. Liner Size No. 2 Pressure Model S.P.M. Liner Size<br>Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet of Cut Feet Left on Spool Next Slip |                 |      |      |               |         |       |      |          |
| W.L. F.C. pH.                                                                                                                                                                    |                 |      |      |               |         |       |      |          |
| Tour — 8 a.m. to 4 p.m.<br>Specify actual hours worked Hrs.                                                                                                                      |                 |      |      |               |         |       |      |          |
| Drill                                                                                                                                                                            | Jim Armstrong   |      |      |               |         |       |      |          |
| Derrick                                                                                                                                                                          | Howard          |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            | Roller          |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            | Don Clark       |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Motor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Mechanic                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Extra                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Injuries                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Fires                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.) DRILL COLLARS FUEL WATER COAL Stands<br>No. O.D. I.D. Wgt. Gals. Bbls. Tons<br>1337 49 1386                          |                 |      |      |               |         | 0800  | 0900 |          |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION<br>9 4 4 HUGHES MD993 49 7                                                          |                 |      |      |               |         | 0900  | 1600 |          |
| MUD 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change<br>WEIGHT VISCOSITY GEL                                                                |                 |      |      |               |         |       |      |          |
| Pumps: No. 1 Pressure Model S.P.M. Liner Size No. 2 Pressure Model S.P.M. Liner Size<br>Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet of Cut Feet Left on Spool Next Slip |                 |      |      |               |         |       |      |          |
| W.L. F.C. pH.                                                                                                                                                                    |                 |      |      |               |         |       |      |          |
| Tour — 4 p.m. to Midnight<br>Specify actual hours worked Hrs.                                                                                                                    |                 |      |      |               |         |       |      |          |
| Drill                                                                                                                                                                            | Alfred Goodrich |      |      |               |         |       |      |          |
| Derrick                                                                                                                                                                          | Tom Byrd        |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            | Tom Holland     |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Floor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Motor                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Mechanic                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Extra                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| Injuries                                                                                                                                                                         |                 |      |      |               |         |       |      |          |
| Fires                                                                                                                                                                            |                 |      |      |               |         |       |      |          |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.) DRILL COLLARS FUEL WATER COAL Stands<br>No. O.D. I.D. Wgt. Gals. Bbls. Tons<br>1386 37 1423                          |                 |      |      |               |         | 1600  | 2300 |          |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION<br>9 4 4 HUGHES MD993 37 7                                                          |                 |      |      |               |         | 2300  | 2400 |          |
| MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives At Surveys Degree MOTOR HOURS Next Oil Change<br>WEIGHT VISCOSITY GEL                                                                 |                 |      |      |               |         |       |      |          |
| Pumps: No. 1 Pressure Model S.P.M. Liner Size No. 2 Pressure Model S.P.M. Liner Size<br>Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet of Cut Feet Left on Spool Next Slip |                 |      |      |               |         |       |      |          |
| W.L. F.C. pH.                                                                                                                                                                    |                 |      |      |               |         |       |      |          |

Totco Ring on Bit No. C.P. Caipered Date Results From Pipe Rack

B.O.P. Test-Operated Time Results

Total Contractor Time Hrs.

Total Company Time Hrs.

Toolpusher

Approved by

**BOARD DAY WORK RECORD**

**NOTE**—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

REMARKS

|  | Time  |      |          |
|--|-------|------|----------|
|  | Start | Stop | Interval |
|  | 0000  | 0500 |          |

| Company Time     | Cent'r Time |      |      |
|------------------|-------------|------|------|
| Drilling         |             | 3800 | 1400 |
| Trip for new bit |             | 1400 | 1500 |
| Drilling         |             | 1500 | 1600 |

| Company Time | Cont'r Time |      |     |
|--------------|-------------|------|-----|
| Drilling     |             | 1600 | 240 |
|              |             |      |     |
|              |             |      |     |
|              |             |      |     |
|              |             |      |     |

Total Contractor Time \_\_\_\_\_ Hrs.      Toolpusher \_\_\_\_\_  
Total Company Time \_\_\_\_\_ Hrs.      Approved by \_\_\_\_\_

# BOARD DAY WORK RECORD

**NOTE—**Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| REMARKS | Time  |      |          |
|---------|-------|------|----------|
|         | Start | Stop | Interval |

[illegible][illegible][illegible]

Total Contractor Time \_\_\_\_\_ Hrs.      Toolpusher \_\_\_\_\_  
Total Company Time \_\_\_\_\_ Hrs.      Approved by \_\_\_\_\_



## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

## BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

| RIG No. 5 LOCATION La Jerte river N-54 AREA DATE March 9 1967                                |                   | REMARKS                                                                                  |  | Time        |             |                 |
|----------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------|--|-------------|-------------|-----------------|
|                                                                                              |                   |                                                                                          |  | Start       | Stop        | Interval        |
| Tour — Midnight - 8 a.m.                                                                     |                   |                                                                                          |  |             |             |                 |
| Specify actual hours worked Hrs.                                                             |                   |                                                                                          |  |             |             |                 |
| Driller                                                                                      | Alvin Hatcher     |                                                                                          |  |             |             |                 |
| Derrick                                                                                      | Harold Clark      |                                                                                          |  |             |             |                 |
| Floor                                                                                        | Alfred            |                                                                                          |  |             |             |                 |
| Floor                                                                                        | Robertson         |                                                                                          |  |             |             |                 |
| Floor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Motor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Mechanic                                                                                     |                   |                                                                                          |  |             |             |                 |
| Extra                                                                                        |                   |                                                                                          |  |             |             |                 |
| Injuries                                                                                     |                   |                                                                                          |  |             |             |                 |
| Fires                                                                                        |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 350 115 465                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 4 4 1/2 GRUNER 308 115 8                                                                     |                   |                                                                                          |  |             |             |                 |
| MUD 12 Mn. 2 a.m. 4 a.m. 6 a.m. Additives                                                    |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 465 110 575                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 4 4 1/2 GRUNER 308 75 3                                                                      |                   |                                                                                          |  |             |             |                 |
| 5 4 1/2 GRUNER 307 75 4                                                                      |                   |                                                                                          |  |             |             |                 |
| MUD 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives                                                  |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 575 123 695                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 5 4 1/2 GRUNER 307 123 8                                                                     |                   |                                                                                          |  |             |             |                 |
| MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives                                                   |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |
| Tour — 8 a.m. to 4 p.m.                                                                      |                   |                                                                                          |  |             |             |                 |
| Specify actual hours worked Hrs.                                                             |                   |                                                                                          |  |             |             |                 |
| Driller                                                                                      | Jim Crawford      |                                                                                          |  |             |             |                 |
| Derrick                                                                                      | James and Rollins |                                                                                          |  |             |             |                 |
| Floor                                                                                        | Mr. Clark         |                                                                                          |  |             |             |                 |
| Floor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Floor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Motor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Mechanic                                                                                     | A Gray            |                                                                                          |  |             |             |                 |
| Extra                                                                                        |                   |                                                                                          |  |             |             |                 |
| Injuries                                                                                     |                   |                                                                                          |  |             |             |                 |
| Fires                                                                                        |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 465 110 575                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 4 4 1/2 GRUNER 308 75 3                                                                      |                   |                                                                                          |  |             |             |                 |
| 5 4 1/2 GRUNER 307 75 4                                                                      |                   |                                                                                          |  |             |             |                 |
| MUD 8 a.m. 10 a.m. 12 Noon 2 p.m. Additives                                                  |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 575 123 695                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 5 4 1/2 GRUNER 307 123 8                                                                     |                   |                                                                                          |  |             |             |                 |
| MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives                                                   |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |
| Tour — 4 p.m. to Midnight                                                                    |                   |                                                                                          |  |             |             |                 |
| Specify actual hours worked Hrs.                                                             |                   |                                                                                          |  |             |             |                 |
| Driller                                                                                      | Alfred Withers    |                                                                                          |  |             |             |                 |
| Derrick                                                                                      | Ken Rye           |                                                                                          |  |             |             |                 |
| Floor                                                                                        | Wm. Johnson       |                                                                                          |  |             |             |                 |
| Floor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Floor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Motor                                                                                        |                   |                                                                                          |  |             |             |                 |
| Mechanic                                                                                     |                   |                                                                                          |  |             |             |                 |
| Extra                                                                                        |                   |                                                                                          |  |             |             |                 |
| Injuries                                                                                     |                   |                                                                                          |  |             |             |                 |
| Fires                                                                                        |                   |                                                                                          |  |             |             |                 |
| From Footage To Hrs. on Bottom Wt. Drill String (1000 lbs.)                                  |                   | DRILL COLLARS No. O.D. I.D. Wgt.                                                         |  | FUEL Gals.  | WATER Bbls. | COAL Tons       |
| 575 123 695                                                                                  |                   |                                                                                          |  |             |             |                 |
| No. Size Type Size Jets Serial No. Weight R.P.M. Ft. Drilled Hrs. Feet Reamed Hrs. CONDITION |                   |                                                                                          |  |             |             |                 |
| 5 4 1/2 GRUNER 307 123 8                                                                     |                   |                                                                                          |  |             |             |                 |
| MUD 4 p.m. 6 p.m. 8 p.m. 10 p.m. Additives                                                   |                   | At Surveys Degree                                                                        |  | MOTOR HOURS |             | Next Oil Change |
| WEIGHT                                                                                       |                   |                                                                                          |  | 1           |             |                 |
| VISCOSITY                                                                                    |                   |                                                                                          |  | 2           |             |                 |
| GEL                                                                                          |                   |                                                                                          |  | 3           |             |                 |
| No. 1 Pressure                                                                               |                   |                                                                                          |  | 4           |             |                 |
| Model S.P.M.                                                                                 |                   |                                                                                          |  | 5           |             |                 |
| Liner Size                                                                                   |                   | Size TRIPS No. Lines TON MILES TOTAL MILES Slip Feet or Cut Feet Left on Spool Next Slip |  |             |             |                 |
| No. 2 Pressure                                                                               |                   |                                                                                          |  |             |             |                 |
| Model S.P.M.                                                                                 |                   | General                                                                                  |  |             |             |                 |
| Liner Size                                                                                   |                   |                                                                                          |  |             |             |                 |
| W.L. F.C. pH.                                                                                |                   |                                                                                          |  |             |             |                 |

To & Co Ring on Bit No. \_\_\_\_\_ D.P. Caliper Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
 B.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher \_\_\_\_\_  
 Total Company Time \_\_\_\_\_ Hrs. Approved by \_\_\_\_\_



## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

## BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION La Jerte river AREA N-54 DATE March 28 1967

Tour — Midnight - 8 a.m.

Specify actual hours worked Hrs.

Driller Alvin Hatcher 8Derrick Harriet Clark 8Floor Alfred 8Floor Herakamoon 8

Floor

Motor Ken Byrt 1

Mechanics

Extra

Injuries:

Fires:

Fires:

Fires:

Fires:

Fires:

Tour — 8 a.m. to 4 p.m.

Specify actual hours worked Hrs.

Driller Jim Handford 8Derrick Leonard 8Floor Roller 8Floor Don Clark 8

Floor

Motor

Mechanic A. Gray 9

Extra

Injuries:

Fires:

Fires:

Fires:

Fires:

Fires:

Tour — 4 p.m. to Midnight

Specify actual hours worked Hrs.

Driller Alfred Withyhead 8Derrick Ken Byrt 8Floor Ken Withyhead 8

Floor

Floor

Motor Leonard 2Mechanic Roller 2

Extra

Injuries:

Fires:

Fires:

Fires:

Fires:

Fires:

| From       |      | Footage  |      | To   |            | Hrs. on Bottom |        | Wt. Drill String (1000 lbs.) |      | DRILL COLLARS |      |           |       | FUEL  |      | WATER |  | COAL |  | Stands            |  |             |  |                 |  |  |  |
|------------|------|----------|------|------|------------|----------------|--------|------------------------------|------|---------------|------|-----------|-------|-------|------|-------|--|------|--|-------------------|--|-------------|--|-----------------|--|--|--|
| No.        | Size | Type     | Size | Jets | Serial No. | Weight         | R.P.M. | Ft. Drilled                  | Hrs. | Feet Reamed   | Hrs. | CONDITION | Gals. | Bbls. | Tons |       |  |      |  |                   |  |             |  |                 |  |  |  |
| MUD        |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  | At Surveys Degree |  | MOTOR HOURS |  | Next Oil Change |  |  |  |
| WEIGHT     |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| VISCOSITY  |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| GEL        |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| No. 1      |      | Pressure |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Model      |      | S.P.M.   |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| No. 2      |      | Pressure |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Model      |      | S.P.M.   |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Liner Size |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| No. 1      |      | Pressure |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Model      |      | S.P.M.   |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Liner Size |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| No. 2      |      | Pressure |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Model      |      | S.P.M.   |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| Liner Size |      |          |      |      |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |
| W.L.       |      | F.C.     |      | pH.  |            |                |        |                              |      |               |      |           |       |       |      |       |  |      |  |                   |  |             |  |                 |  |  |  |

| REMARKS                                                                                                            | Time  |             |          |
|--------------------------------------------------------------------------------------------------------------------|-------|-------------|----------|
|                                                                                                                    | Start | Stop        | Interval |
| Trip out and run in                                                                                                | 0000  | 01:30       |          |
| Run casing                                                                                                         | 0130  | 0400        |          |
| Grouting                                                                                                           | 0400  | 0530        |          |
| Run pumps; Clear up                                                                                                | 0530  | 0800        |          |
| 8 joints of T+C casing<br>set at 162 ft.<br>1 barrel of returns<br>40 bags of cement<br>1 bag of CaCl <sub>2</sub> |       |             |          |
| Company Time                                                                                                       |       | Cont'r Time |          |
| Waiting for cement to set                                                                                          | 0800  | 1600        |          |
| Company Time                                                                                                       |       | Cont'r Time |          |
| Running up B.O.P.                                                                                                  | 1600  | 1800        |          |
| Drilling out plug                                                                                                  | 1800  | 1900        |          |
| Drilling                                                                                                           | 1900  | 2400        |          |
| Company Time                                                                                                       |       | Cont'r Time |          |

Total Ring on Bit No. \_\_\_\_\_ D.P. Calipered Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
 B.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher \_\_\_\_\_  
 Total Company Time \_\_\_\_\_ Hrs. Approved by \_\_\_\_\_

## TRI-CITY DRILLING LTD.

## DAILY DRILLING REPORT

## BOARD DAY WORK RECORD

NOTE—Please show FOOTAGE made while "Control Drilling" as well as HOURS.

RIG No. 5 LOCATION La Jute river N-54 AREA DATE March 27 1967

| Tour — Midnight - 8 a.m.    |                        | From | Footage | To  | Hrs. on Bottom | Wt. Drill String (1000 lbs.) | DRILL COLLARS |      |      |      | FUEL | WATER | COAL  | Stands | REMARKS |       |      | Time     |  |  |
|-----------------------------|------------------------|------|---------|-----|----------------|------------------------------|---------------|------|------|------|------|-------|-------|--------|---------|-------|------|----------|--|--|
| Specify actual hours worked |                        |      |         |     |                |                              | No.           | O.D. | I.D. | Wgt. |      | Gals. | Bbls. | Tons   |         | Start | Stop | Interval |  |  |
| Driller                     | <u>Alvin H. Telfer</u> | 75   | 103     | 179 |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Derrick                     | <u>Burnet Clark</u>    |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>A. H. H. H.</u>     |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>H. H. H. H.</u>     |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Motor                       | <u>Ken Byrd</u>        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Mechanic                    |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Extra                       |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Injuries:                   |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Fires:                      |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Driller                     | <u>Lips Handford</u>   | 179  | 72      | 250 |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Derrick                     | <u>Leonard</u>         |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>Roller</u>          |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>Don Black</u>       |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Motor                       |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Mechanic                    | <u>A. Gray</u>         |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Extra                       |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Injuries:                   |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Fires:                      |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Driller                     | <u>L. H. H. H.</u>     |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Derrick                     | <u>Ken Byrd</u>        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>Don Black</u>       |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Floor                       | <u>Burnet Clark</u>    |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Motor                       |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Mechanic                    |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Extra                       |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Injuries:                   |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |
| Fires:                      |                        |      |         |     |                |                              |               |      |      |      |      |       |       |        |         |       |      |          |  |  |

Totco King on Bit No. \_\_\_\_\_ D.P. Calipered Date \_\_\_\_\_ Results \_\_\_\_\_ From Pipe Rack \_\_\_\_\_  
 B.O.P. Test-Operated \_\_\_\_\_ Time \_\_\_\_\_ Results \_\_\_\_\_

Total Contractor Time \_\_\_\_\_ Hrs. Toolpusher \_\_\_\_\_  
 Total Company Time \_\_\_\_\_ Hrs. Approved by \_\_\_\_\_