

PARAMOUNT RESOURCES LIMITED

PARAMOUNT HB et al CAMERON J-62
N. W. T.

COMPLETION REPORT

February, 1981



PARRO'S ENGINEERING CO., LTD.
PETROLEUM CONSULTANTS

PARAMOUNT RESOURCES LIMITED
PARAMOUNT HB et al CAMERON J-62
N. W. T.

COMPLETION REPORT

February, 1981



FARRIES ENGINEERING (1977) LTD.
Petroleum Consultants
Second Floor, 630 - 6 Avenue S. W.
Calgary, Alberta
T2P 0S8



PARAMOUNT HB et al CAMERON J-62

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PARAMOUNT RESOURCES LIMITED
#1800, 717 - 7 Avenue S. W.
Calgary, Alberta
T2P 0Z3

COMPLETION REPORT
for
PARAMOUNT HB et al CAMERON J-62
N.W.T.

Sulphur Point Gaswell

WELL DATA

Well Name: Paramount HB et al Cameron J-62

Location: Northwest Territories
Unit J, Section 62
Latitude: 60° 01' 31.00" North, 60.0253° North
Longitude: 117° 26' 50.00" West, 117.4472° West

Elevations: K.B: 755.00 metres
Ground: 751.94 metres

Total Depth: 1,605 metres K.B.

Plug Back Total Depth: 1,481.75 metres K.B.

Surface Casing: 244.5 mm, 48.1 kg/m, set at 524.00 metres K.B.

Production Casing: 139.7 mm, 23.10 kg/m, J-55, set at 1605 metres K.B.

Tubing: 73.0 mm, 9.67 kg/m, J-55, EUE, 8rd thd. set in a
packer at 1375.52 metres K.B.
Tubing bottom at 1381.56 metres K.B.

Perforations: 1384.5 - 1389.0 m. KB using a 38.7 mm thru tubing
gun at 13 JSPM.

Wellhead: 244.5 mm x 139.7 mm x 73.0 mm, 13790 kPa W.P.

Nipples: Baker 'F' at 1379.03 m. K.B., I.D. 58.72 mm.
Baker 'R' at 1381.17 m. K.B., I.D. 57.15 & 55.80 mm.

Packer: Baker Model FB-1 permanent retainer production packer
set on wireline at 1375.52 metres K.B.

Sliding Sleeve: Baker Model 'L' at 1372.19 m. K.B., I.D. 58.72 mm.

Status: Shut-In Sulphur Point Gaswell

COMPLETION REPORT

January 28, 1981 to January 29, 1981.

1000 - 2330 hours	Move rig and camp from 12-26, 13 loads. All trucks had to be pulled up hill with cat. Set up camp, etc.
2330 - 0800 hours	Wait for day light to do dirt work with cat to set up rig. Surface casing bowl flange about 2 to 3 feet lower than the rest of the lease.

January 29, 1981 to January 30, 1981.

0800 - 1200 hours	Spot rig equipment. Dig flare pit. Level lease around wellhead. Received verbal approval from Hal Flanders, Conservation Engineer in Yellowknife, to proceed with completion.
1200 - 1700 hours	Continue to rig up. Raise derrick. Cut off 139 mm casing and install tubing spool. Pressure test secondary seals to 18960 kPa for 15 minutes. Held okay.
1700 - 2300 hours	Put on BOP's. Change rams over to 73 mm. Lay pump lines and flare lines. Change slips, tongs and elevators to 73 mm. Tally - 180 joints, 73 mm tubing.

PARAMOUNT HB et al CAMERON J-62

COMPLETION REPORT, continued

January 29, 1981 to January 30, 1981,
continued

2300 - 0600 hours Start in hole with 120.65 mm workover bit and casing scraper for 139.7 mm, 23.06 kg/m casing on 73 mm tubing. Hit ice plug in casing at 14 metres.
Pull out of hole.
Ran steam hose into hole to ice plug and steam for 30 minutes.
Pull out steam hose and run bit and casing scraper on 73 mm tubing to plug back total depth of 1481.75 metres K.B.
Pull up 5 metres.

0600 - 0800 hours Circulate hole clean at 0.5 m³/min. and 4500 kPa for 45 minutes.
Rig up to pressure test casing and BOP's.

DAILY COST: \$ 53,795
includes: tubing, wellhead and rig move to J-62 well.

CUM. COST: \$ 53,795

January 30, 1981 to January 31, 1981.

0800 - 0900 hours Pressure test casing and pipe rams to 15500 kPa for 15 minutes.
Held okay.

0900 - 1200 hours Pull 73 mm tubing, bit and casing scraper.
Lay down 12 singles.
Stand 71 stands in derrick.

1200 - 1300 hours Wait on McCullough for logging.

1300 - 0800 hours Logging with McCullough.
Calibrated GRN from plug back total depth (1472 - 700 metres).
Cement Bond Log regular pass and pressure pass from plug back total depth (1472 - 700 metres).

Daily \$ 17,500.00
Cum. \$ 71,345.00



COMPLETION REPORT

January 31, 1981 to February 1, 1981.

0800 - 0900 hours	Ran junk basket and 117.91 mm gauge ring from surface to plug back total depth on McCullough electric line. Hole is clear.
0900 - 1000 hours	Dowell and McCullough assemble Baker FB-1 packer, tail pipe and setting tool.
1000 - 1200 hours	Run in hole with Baker FB-1 packer on electric line. Set packer at 1375.52 m K.B. Top of packer at 1375.15 m K.B. Bottom of tail pipe at 1381.50 m K.B.
1200 - 1530 hours	Assemble sliding sleeve and seal assembly on 73 mm tubing. Found bottom of seal assembly to be wrong size. Had to file out 50.04 mm ID to 60.3 mm ID.
1530 - 1700 hours	Run in hole with seal assembly, sliding sleeve and 73 mm tubing. Tag top of packer at 1375.15 metres.
1700 - 1800 hours	Space out tubing using 142 joints and 4 pups.
1800 - 1900 hours	Displace annulus to inhibited water. Continued .5% Nowcor 100. Spot 410 litres of diesel fuel on top.
1900 - 2000 hours	Land tubing in packer with 2670 daN compression. Remove BOP's and install wellhead.
2000 - 2100 hours	Pressure test annulus to 14000 kPa for 15 minutes. Held okay.
2100 - 2215 hours	Swab out 1.6 m ³ water from tubing lowering fluid level to 500 m K.B.
2215 - 0430 hours	Rig up McCullough to perforate. Had two misruns. Perforated interval 1384.5 - 1389.0 m K.B. using 39.7 mm OD through tubing retrievable gun at 13 jet shots per metre. All 60 shots were fired.

COMPLETION REPORT

January 31, 1981 to February 1, 1981, continued

0430 - 0500 hours Rig out McCullough.
Shut in tubing pressure = 931 kPa.

0515 hours Open well up on 12.7 mm choke.
Well unloads 2.54 m³ water then gas with water spray.

0615 hours Well flowing on 12.7 mm choke.
Flowing tubing pressure = 2070 kPa.
Water spray and slight blue color (H₂S)
Estimated rate = 55.21 10³ m³/day.

0800 hours Well flowing on 12.7 mm choke.
Flowing tubing pressure = 1965 kPa.
Water spray and the odd slug.
Estimated rate = 52.39 10³ m³/day.
Water level in flare pipe staying even.

Daily \$ 25,150.00
Cum. \$ 96,495.00

February 1, 1981 to February 2, 1981.

0815 hours Cut choke from 12.7 mm to 9.53 mm after 3 hours of flow.
Flowing tubing pressure = 3103 kPa.
Estimated rate = 44.39 10³ m³/day.
Less water spray.

1115 hours Well flowing on 9.53 mm choke.
Flowing tubing pressure = 3103 kPa.
Estimated rate = 44.39 10³ m³/day.
Very little water spray.

1400 hours Well flowing on 9.53 mm choke.
Flowing tubing pressure = 3068 kPa.
Estimated rate = 43.92 10³ m³/day.
All 12.72 m³ of water in flare pit that was
displaced from hole is gone.
Very little water spray.

PARAMOUNT HB et al CAMERON J-62

COMPLETION REPORT

February 1, 1981 to February 2, 1981,
continued

1600 hours	Well flowing on 9.53 mm choke. Flowing tubing pressure = 3068 kPa. Estimated rate = $43.92 \times 10^3 \text{ m}^3/\text{day}$. Very little water spray. Flowing tubing pressure stable for last 8 hours.
1800 hours	Well flowing on 9.53 mm choke. Flowing tubing pressure = 2896 kPa. Very little water spray. Suspect hydrates are starting to form in tubing.
2000 hours	Same conditions as at 1800 hours.
2015 hours	Shut well in. Flowed total of 15 hours including 12 hours on 9.53 mm choke. Hydrates present in flare line and wellhead gauge.
2045 hours	Shut in tubing pressure = 7860 kPa.
2100 hours	Shut in tubing pressure = 8102 kPa.
2125 hours	Shut in tubing pressure = 8102 kPa.
2200 hours	Shut in tubing pressure = 8102 kPa.
0745 hours	Shut in tubing pressure = 8275 kPa. Release service rig and rig out. Ready for move to Paramount HB et al Cameron M-31 on February 2, 1981.
	Daily \$ 9,350.00 Cum. \$ 105,845.00

COMPLETION REPORT

February 7, 1981 Gas testers moved equipment from Ratz 12-26 to
Cameron J-62.
Cat required on hill on mile 12.
Rig up gas test equipment, lay flare and water lines.
Install wellhead safety shut down valve.

0900 - 1400 hours Almech Wireline runs static gradient and sets tandem
180 hour bombs at 1371.31 metres K.B. just above
sliding sleeve.
Gas testers have trouble with light plant and many
freeze offs.

Daily cost: \$ 5,200.00
Cum. cost: \$ 111,045.00

February 8, 1981 to February 9, 1981

0800 - 0900 hours Gas testers continue rigging up.
Cold and windy.
T.P.S.I. = 8400 kPa.

0900 hours Commence four point isochronical AOF test.

0900 - 1100 hours Flow rate #1 = 4.76 mm choke.
T.P.F. = 6450 kPa.
Wellhead temperature = -2°C
Gas rate = $23.03 \times 10^3 \text{ m}^3/\text{day}$ - no liquids.

1100 - 1300 hours Well shut in.
T.P.S.I. = 8285 kPa.

1300 - 1500 hours Flow rate #2 - 7.14 mm choke.
T.P.F. = 5145 kPa.
Wellhead temperature = +1°C.
Gas rate = $33.91 \times 10^3 \text{ m}^3/\text{day}$ - no liquids.

1500 - 1700 hours Well shut in.
T.P.S.I. = 8200 kPa.

COMPLETION REPORT

February 8, 1981 to February 9, 1981, continued

1700 - 1900 hours	Flow rate #3 = 9.53 mm choke. T.P.F. = 3700 kPa at 1800 hours. Wellhead temperature = +2°C. Gas rate = $48.05 \times 10^3 \text{ m}^3/\text{day}$. .08 m ³ water in 2 hours.
1900 - 2100 hours	Well shut in. No T.P.S.I. as wellhead frozen. Alcohol pump being prepared.
2100 - 2300 hours	Flow rate #4 = 12.7 mm choke. T.P.F. = 3200 kPa at 2300 hours. Wellhead temperature = -2°C. Water production = 0.16 m ³ over 2 hours.
2300 - 0800 hours	Extended rate = 9.53 mm choke. T.P.F. = 3800 kPa at 2400 hours. Wellhead temperature = +3°C. Gas rate = $53.70 \times 10^3 \text{ m}^3/\text{day}$ at 2400 hours. No water until 0100 hours.

February 9, 1981 to February 10, 1981

0800 - 0800 hours	Well flowing on 9.53 mm choke on extended rate portion of AOF test. T.P.F. declines gradually from 3800 to 3545 kPa at 0800 hours February 10, 1981. Wellhead temperature increases from +3°C to +9°C. Flow rate declines slightly from $50.90 \times 10^3 \text{ m}^3/\text{day}$ to $48.05 \times 10^3 \text{ m}^3/\text{day}$. Slight water spray at 1200 hours (.08 m ³) then stopped.
	Daily cost: \$ 3,300.00 Cum. cost: \$ 117,045.00

COMPLETION REPORT

February 10, 1981, to February 11, 1981

0800 - 2310 hours

Well flowing on extended rate portion of AOF test on
9.53 mm choke with readings as follows:

<u>Time</u>	<u>T.P.F. kPa</u>	<u>Wellhead Temp. °C</u>	<u>Gas Rate 10³ m³/D</u>
0800	3545	+9	48.61
0900	3535	10	48.61
1000	3545	10	49.46
1100	3545	10	49.46
1200	3545	10	49.46
1300	3545	10	49.46
1400	3555	10	-
1500	3520	10	50.87
1600	3475	10	49.46
1700	3575	10	49.46
1800	3510	10	48.33
1900	3470	10	48.05
2000	3475	10	48.60
2100	3500	10	48.60
2200	3495	10	48.60
2300	3495	10	48.60
2310	3495	10	48.60

Well shut in at 2310 hours, February 10, 1981.

2315 hours

T.P.S.I. = 4950 kPa

2320 hours

T.P.S.I. = 6570 kPa

1430 hours

On site, H₂S reading 0.68%, February 10, 1981.

1600 hours

Well produces a trace of dark condensate .5 l/hr. and
water at .24 l/hr.
Water salinity = 26800 ppm salt by refractometer.

2310 - 0800 hours

Shut well in.
Rig out test equipment.

Daily cost: \$ 37,000.00

Cum cost: \$ 120,745.00

PARAMOUNT HB et al CAMERON J-62

COMPLETION REPORT

February 16, 1981

0900 - 1300 hours

Rig up Almech Wireline.

Run in and pull tandem BHP bombs.

Run gradient.

Set Monel plug in F nipple at 1378.99 metres K.B.

Fill tubing with inhibited water with inhibited diesel
fuel on top.

Close in well, bull plug all outlets.

Chain and padlock wellhead valves.

F I N A L R E P O R T

PIPE TALLY

Date January 29, 1981Well Name PARAMOUNT HB et al CAMERON J-62Location J-62 N.W.T.73mm TBG Landed in Packer at 1375.52mKBK.B. 755.00mNo. of joints on Lease 180 + 10 Pubs Tally 1742.95 Joints Used 142 + 6 Pubs Tally 1373.10

Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters
1	9 64	11	9 63	21	9 67	31	9 50	41	8 81
2	9 64	12	9 64	22	9 64	32	9 63	42	9 66
3	9 65	13	9 64	23	9 52	33	9 44	43	9 63
4	9 46	14	9 46	24	9 63	34	9 38	44	9 65
5	9 68	15	9 62	25	9 42	35	9 50	45	9 64
6	9 63	16	9 63	26	9 64	36	9 55	46	9 61
7	9 64	17	9 62	27	9 64	37	9 52	47	9 37
8	9 61	18	9 61	28	9 63	38	9 66	48	9 62
9	9 63	19	9 61	29	9 62	39	9 66	49	9 65
10	9 62	20	9 67	30	9 66	40	9 65	50	9 66
a	96 20	b	96 13	c	96 07	d	95 49	e	95 30
51	9 54	61	9 66	71	9 56	81	9 51	91	9 63
52	9 57	62	9 70	72	9 64	82	9 66	92	9 63
53	9 63	63	9 55	73	9 65	83	9 63	93	9 62
54	9 62	64	9 54	74	9 65	84	9 64	94	9 61
55	9 63	65	9 51	75	9 62	85	9 42	95	9 60
56	9 57	66	9 65	76	9 62	86	9 63	96	9 70
57	9 54	67	9 64	77	9 62	87	9 63	97	9 63
58	9 62	68	9 65	78	9 65	88	9 41	98	9 64
59	9 65	69	9 66	79	9 62	89	9 61	99	9 64
60	9 65	70	9 52	80	9 64	90	9 50	100	9 61
f	96 02	g	96 08	h	96 27	i	95 64	j	96 31

Size 73.0mmMake IPSCOGrade J-55Wt. 9.67 kg/mRge. 2Thrd. 8 Rd.Cplg E.U.E.

TOTALS

a	96 20
b	96 13
c	96 07
d	95 49
e	95 30
f	96 02
g	96 08
h	96 27
	95 64
	96 31
	959 51

Final
TotalRemarks Jts. 1-100 run in the hole.

Tallied By _____

PIPE TALLY

Date January 29, 1981Well Name PARAMOUNT HB et al CAMERON J-62Location J-62 N.W.T.73mm TBG Landed in Packer at 1375.52mKBK.B. 755.00mNo. of joints on Lease 1800 + 10 Pubs Tally 1742.95 Joints Used 142 + 6 Pubs Tally 1373.10

Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters	Jt. No.	Meters
1	9 62	11	9 64	21	9 63	31	9 61	41	9 62
2	9 63	12	9 64	22	9 62	32	9 62	42	* 9 64
3	9 63	13	9 61	23	9 53	33	9 62	43	* 9 59
4	9 62	14	9 63	24	9 61	34	9 63	44	* 9 63
5	9 60	15	9 63	25	9 62	35	9 62	45	* 9 64
6	9 61	16	9 64	26	9 65	36	9 54	46	* 9 63
7	9 64	17	9 60	27	9 63	37	9 42	47	* 9 64
8	8 66	18	9 62	28	9 63	38	9 60	48	* 9 35
9	9 64	19	9 63	29	9 63	39	9 62	49	* 9 63
10	8 74	20	9 61	30	9 60	40	9 64	50	* 9 62
a	94 39	b	96 25	c	96 15	d	95 92	e	95 99
51	* 9 63	61	* 9 64	71	* 9 63	81	2 51	91	
52	* 9 62	62	* 8 69	72	* 9 65	82	1 80	92	
53	* 9 62	63	* 9 61	73	* 9 63	83	3 11	93	
54	* 9 52	64	* 9 62	74	* 9 37	84	1 89	94	
55	* 8 92	65	* 9 64	75	* 9 63	85	** 1 89	95	
56	* 9 62	66	* 9 65	76	* 9 65	86	1 16	96	
57	* 9 61	67	8 90	77	* 9 63	87	* 61	97	
58	* 9 63	68	* 9 41	78	* 9 64	88	* 1 22	98	
59	* 9 38	69	* 9 60	79	* 9 62	89	* 1 83	99	
60	* 9 61	70	* 9 66	80	* 9 64	90	* 3 05	100	
f	95 16	g	94 42	h	96 09	i	19 07	j	

Size 73.0mmMake IPSCOGrade J-55Wt. 9.67 kg/mRge. 2Thrd. 8 Rd.Cplg. E.U.E.

TOTALS

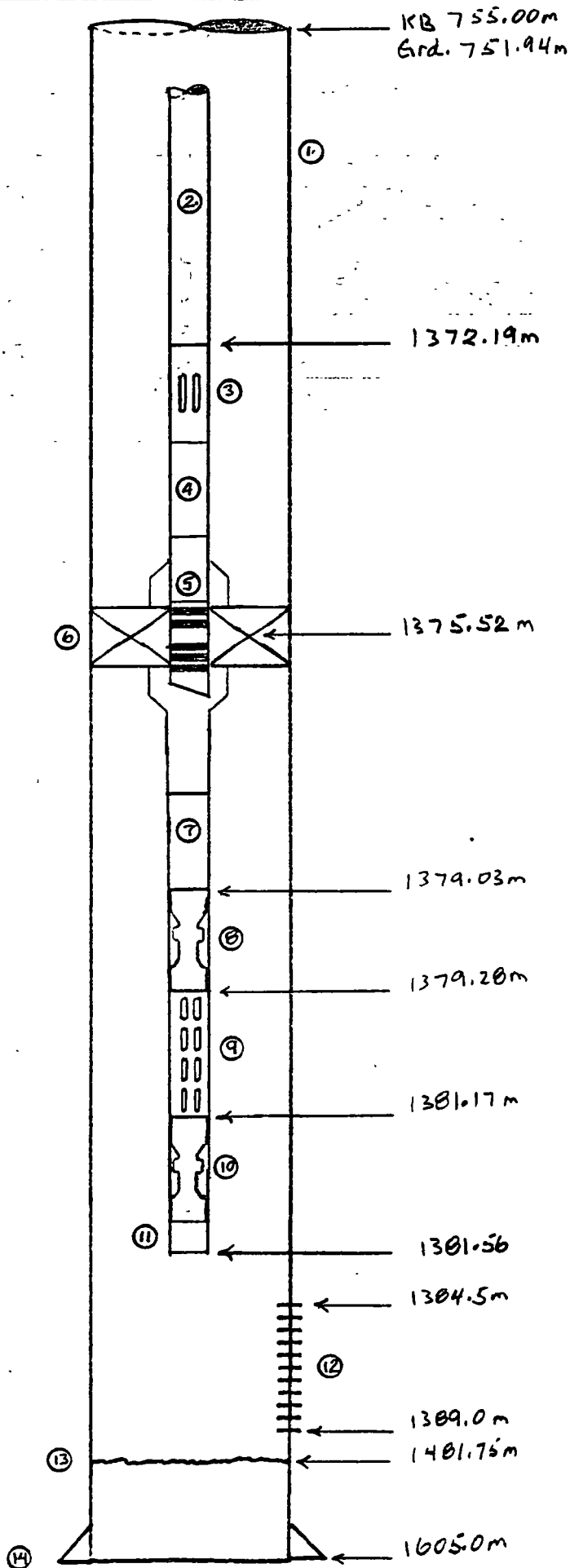
a	94	39
b	96	25
c	96	15
d	95	92
e	95	99
f	95	16
g	94	42
h	96	09
i	19	07
j	783	44
	959	51
	1742	95

Final
Total

Remarks * Jts. not run. ** Perforated. Packer at 1375.52mKB. Sliding sleeve at 1372.19mKB. "F" Nipple at 1378.99mKB. Perf pup at 1379.24mKB. "R" Nipple at 1381.13mKB. Bottom of tail pipe assembly at 1381.50mKB

Tallied By M. R. MADDOCKS

PARAMOUNT RESOURCES LTD
 PARAMOUNT HBEAL CAMERON J-62
 N.W.T.
 SUB-SURFACE COMPLETION DIAGRAM
 FEB 16 1981



FARRIES ENGINEERING (1970) LTD
 M.R. MADDOCKE MAR. 20 1981

PARAMOUNT HB et al CAMERON J-62

<u>Item No.</u>	<u>Description</u>	<u>I.D.</u> (mm)	<u>O.D.</u> (mm)	<u>Length</u> (m)	<u>Depth To Top</u> (m KB)
1	Prod. Casing: 139.7 mm, 23.10 kg/m, J-55, set at 1,605.00 m. K.B.	125.70	139.70	1601.94	3.06
2	Tubing: 73.0 mm, 9.67 kg/m, J-55, EUE, 8rd thd.	62.00	73.00	1378.56	3.00
3	Sliding Sleeve: Baker Model 'L', 73.0 mm, EUE, 8rd box up, pin down.	58.72	86.61	0.87	1372.19
4	Pup Joint: 73.0 mm, 9.67 kg/m, J-55, EUE, 8rd thd.	62.00	73.00	1.89	1373.06
5	Tubing Anchor Seal Assembly: Baker Model E-22, Size 42-30, c/with 2 Premium seals and 73.0 mm EUE, box up and 1/2 mule shoe down.	60.33	76.20	0.79	1374.95
6	Packer: Baker Model FB-1 retainer production packer, size 45-30 c/with 1.96 m. mill out extension, 73.0 mm EUE, 8rd thd. pin down.	76.20	115.87	2.72	1375.15
7	Pup Joint: 73.0 mm, 9.67 kg/m, J-55, EUE, 8rd thd.	62.00	73.00	1.16	1377.87
8	Nipple: Baker Model 'F', non-ported, top No-Go, 73.0 mm, EUE, 8rd thd., box up, pin down.	58.72	78.97	0.25	1379.03
9	Pup Joint: perforated 73.0 mm, 9.67 kg/m, J-55, EUE, 8rd thd.	62.00	73.00	1.89	1379.28

PARAMOUNT HB et al CAMERON J-62

continued from page 1

<u>Item No.</u>	<u>Description</u>	<u>I.D.</u> (mm)	<u>O.D.</u> (mm)	<u>Length</u> (m)	<u>Depth</u> <u>To</u> <u>Top</u> (m KB)
10	Nipple: Baker Model R, non-ported, bottom No-Go, 73.0 mm, EUE, 8rd thd., box up, pin down. No-Go I.D. = 55.80 mm	57.15	78.97	0.25	1381.17
11	Tubing Collar Re-Entry guide, 73 mm, J-55, EUE, 8rd thd.	62.00	93.17	0.14	1381.42
12	Perforations: 1384.5 - 1389.0 m. K.B., Sulphur Point, using a 39.7 mm thru tubing gun at 13 JSPM.			4.50	1384.50
13	P.B.T.D. verified with bit on 73 mm tubing on January 30, 1981.				1481.75
14	T.D: 1605.00 metres on March 4, 1979.				1605.00



4605 - 74th AVENUE
EDMONTON, ALBERTA T6B 2H5
TELEPHONE: (403) 468-8789

QUOTATION

Paramount Resources
c/o Farries Eng.
630 - 6 Ave.
Calgary, Alberta

QUOTATION No C.W. - 755

DATE Jan 12, 1981

REQUESTED BY Mike Maddocks

WE HAVE YOUR Verbal Inquiry DATED _____ AND ARE PLEASED TO QUOTE, SUBJECT TO
TERMS AND CONDITIONS SHOWN HEREON

All bids and contracts made by us are made subject to the following conditions: 1. Stream-Flo Industries Ltd. shall not be liable for any delay in the completion of any contract caused by strike or any other labor difficulties, or by fire, storm, flood, act of God, or act of the public enemy, or by any cause whatsoever beyond its control 2. Liability, if any, of Stream-Flo Industries Ltd for any defect in workmanship or material is limited strictly to the proper replacement of any defective part and shall not in any event extend to any consequential damages therefrom 3 Prices quoted are presently in effect and subject to change without notice.

ITEM No.	Quantity	DESCRIPTION	UNIT LIST	NET EXTENSION
		LOCATION: <u>NORTHWEST TERRITORIES</u> <u>UNIT J - SEC 62</u>		
		<u>One FIP Wellhead Assembly 9 5/8" x 5 1/2" x 2 7/8"</u> <u>2000#/3000# W.P. Consisting of the following material:</u>		
1	1	Casing Bowl, 10" API 2000# or 3000# x 9 5/8" ODSO		On Location
2	1	Automatic Slip Pack-Off 10" x 5 1/2"		On Location
3	1	Ring Gasket, R - 53 M.S.		28.02
4	16	Studs, 10" - 2000# (1 1/4" x 8 3/4") B7	4.72	75.52
4a	32	Nuts, 10" - 2000# (1 1/4") 2H	1.36	43.52
4b	16	Studs, - 10" - 3000# (1 3/8" x 9 1/2") B7	6.18	98.88
4c	32	Nuts, 10" - 3000# (1 3/8") 2H	2.12	67.84
5	1	Tubing Head, FIP Type "FT - 16 - 00", 10" API 3000# (<u>Double Drilled</u>) x 6" API 3000# c/w 2 - 2" LPSO & Built-In 7" Secondary Seal.		2708.00
6	1	Secondary Pack-Off, FIP Type "00" 7" x 5 1/2"		261.00
7	1	Tubing Hanger, FIP Type "FT - 16", 6" x 2 7/8" EUE		277.00
8	1	Ring Gasket, R - 45 M.S.		17.97
9	12	Studs, 6" - 3000# (1 1/8" x 8") B7	2.73	32.76
9a	24	Nuts, 6" - 3000# (1 1/8") 2H	1.03	24.72
10	1	Adaptor Bonnet, Crown Type "A", 6" API 3000# x 2 7/8" EUE MPU x 2 7/8" EUE Internal Thread.		498.00
(Continued On Page 2)				

DELIVERY: _____

WEIGHT: _____

SHIPPING TERMS: _____

SHIPPING POINT: _____

TERMS: _____

STREAM-FLO INDUSTRIES LTD.

PER 

EDMONTON Ph.: 468-8789

24 Hrs.

Telex 037-2869


 4505 - 74th AVENUE
 EDMONTON, ALBERTA T6B 2H5
 TELEPHONE: (403) 468-8789

CALGARY Ph.: 269-5531

24 Hrs.

QUOTATION

QUOTATION No C.W. - 755 (Page 2)

DATE Jan 12, 1981

REQUESTED BY Mike Maddocks

 WE HAVE YOUR Verbal Inquiry DATED _____ AND ARE PLEASED TO QUOTE, SUBJECT TO
 TERMS AND CONDITIONS SHOWN HEREON

All bids and contracts made by us are made subject to the following conditions 1 Stream-Flo industries Ltd shall not be liable for any delay in the completion of any contract caused by strike or any other labor difficulties, or by fire, storm, flood, act of God, or act of the public enemy, or by any cause whatsoever beyond its control. 2 Liability, if any, of Stream-Flo Industries Ltd. for any defect in workmanship or material is limited strictly to the proper replacement of any defective part and shall not in any event extend to any consequential damages therefrom 3 Prices quoted are presently in effect and subject to change without notice.

ITEM No	Quantity	DESCRIPTION	UNIT LIST	NET EXTENSION
11	1	Master Valve, FIP 2 7/8" EUE - 2000#, Full Opening, F - 21 Standard Trim, Expanding Gate		1460.00
12	1	Tubing Nipple, 2 7/8" EUE x 6"		35.09
13	1	Flow Tee, Crown Type "FTT", 2 7/8" EUE x 2" LPSO x 2 7/8" EUE Lift Thread		410.00
14	1	Needle Valve, Type "KF", 1/2" N.P.T., Straight Pattern		19.80
15	1	Pressure Gauge, Type "MARSH", 0 - 2000#, 1/2" N.P.T., 4 1/2" Face.		87.73
16	2	Pipe Nipple, 2" x 6" XXH SMLS	13.13	26.26
17	2	Production Valve, FIP 2" LP - 2000# Full Opening, F - 21 Standard Trim, Expanding Gate.	1065.00	2130.00
18	1	Adjustable Choke, Best, 2" LP - 3000# Standard Trim		601.70
19	1	Bull Plug, 2" LP XH Tapped 1/2" N.P.T.		18.46
20	1	Needle Valve, Type "KF", 1/2" N.P.T., Right Angle Pattern		25.72
21	16	Studs, 2" - 2000# (5/8" x 4 1/2") B7	.56	8.96
21a	32	Nuts, 2" - 2000# (5/8") 2H	.31	9.92
21b	16	Studs, 2" - 5000# (7/8" x 6") B7	1.09	17.44
21c	32	Nuts, 2" - 5000# (7/8") 2H	.48	15.36
22	2	Ring Gasket, R - 23 M.S.	8.90	17.80
22a	2	Ring Gasket, R - 24 M.S.	8.90	17.80
23	2	Companion Flange, 2" API 2000# x 2" LP (Continued On Page 3)	45.98	91.96

DELIVERY _____

EIGHT _____

SHIPPING TERMS _____

SHIPPING POINT _____

TERMS _____

STREAM-FLO INDUSTRIES LTD.

PER _____

EDMONTON Ph.: 468-6789

24 Hrs.

Telex 037-2869


 4505 - 74th AVENUE
 EDMONTON, ALBERTA T6B 2H5
 TELEPHONE: (403) 468-6789

CALGARY Ph.: 269-5531

24 Hrs.

QUOTATION

QUOTATION No C.W. - 755 (Page 3)

DATE Jan 12, 1981

REQUESTED BY Mike Maddocks

 WE HAVE YOUR Verbal Inquiry DATED _____ AND ARE PLEASED TO QUOTE, SUBJECT TO
 TERMS AND CONDITIONS SHOWN HEREON

All bids and contracts made by us are made subject to the following conditions: 1. Stream-Flo industries Ltd shall not be liable for any delay in the completion of any contract caused by strike or any other labor difficulties, or by fire, storm, flood, act of God, or act of the public enemy, or by any cause whatsoever beyond its control 2. Liability, if any, of Stream-Flo Industries Ltd for any defect in workmanship or material is limited strictly to the proper replacement of any defective part and shall not in any event extend to any consequential damages therefrom 3 Prices quoted are presently in effect and subject to change without notice.

ITEM No	Quantity	DESCRIPTION	UNIT LIST	NET EXTENSION
23a	2	Companion Flange, 2" API 5000# x 2" LP	104.06	208.12
24	1	Bull Plug, 2" LP XH		12.41
25	1	Casing Vent Assembly		193.00
Total				\$9,540.76
Assembly & Test Minimum 3 Hours @ \$21.00/Hour. Available Through Your Local Supply Store. "All FIP Flanged Wellheads and Parts bear the A.P.I. Monogram, and are manufactured in accordance with A.P.I. Specification 6.A, under our A.P.I. Certificate No: 6426."				
Quoted Prices are Firm For 30 Days.				

DELIVERY As Required

FREIGHT _____

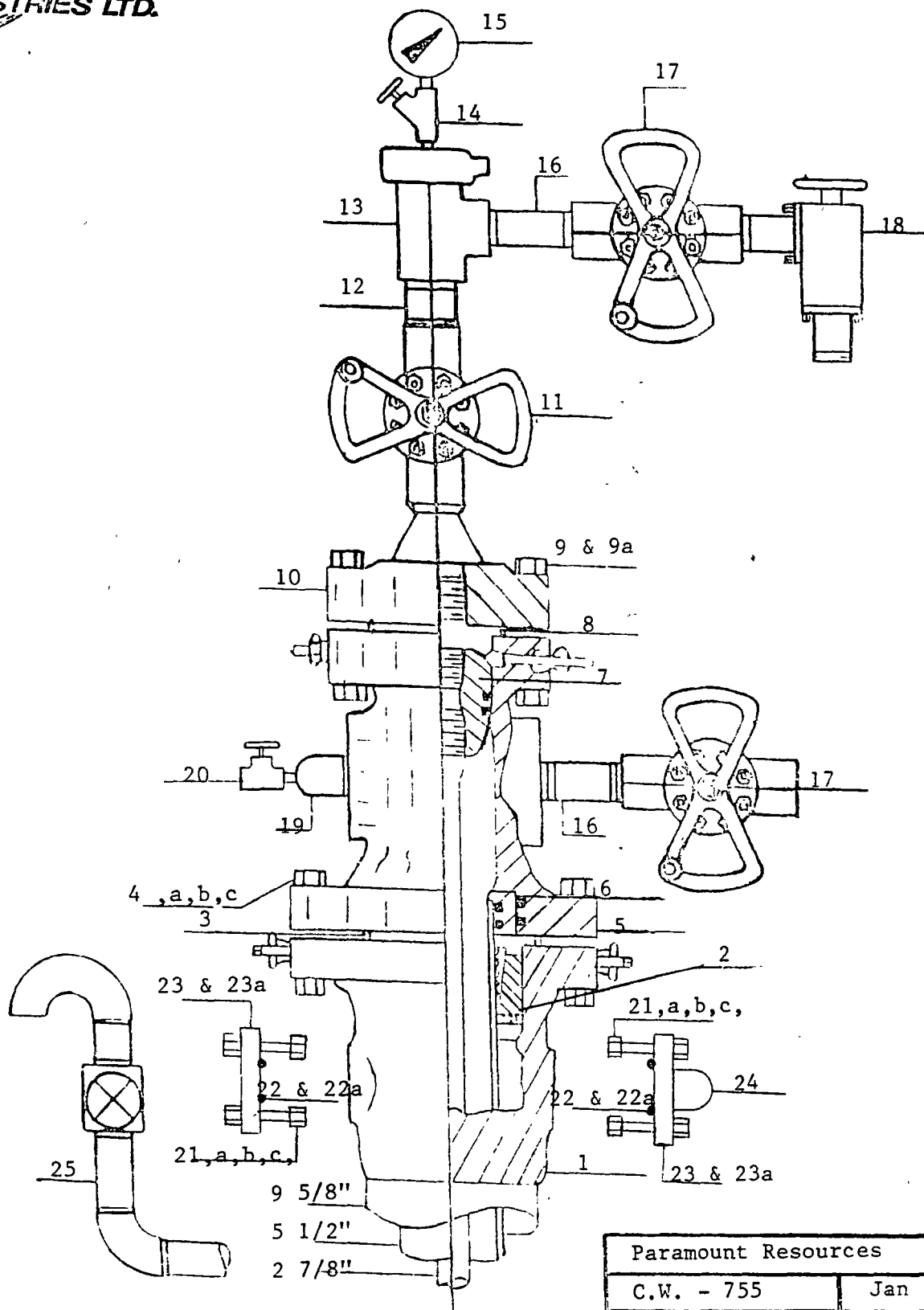
SHIPPING TERMS F.O.B. Stream-Flo PlantSHIPPING POINT Edmonton, AlbertaTERMS Net 30 Days

STREAM-FLO INDUSTRIES LTD.

PER

A handwritten signature in dark ink, appearing to read 'Jim Galts', is written over a horizontal line. Below the signature, the name 'Jim Galts' is printed in a sans-serif font.

Stream-Flo
EDMONTON
CALGARY
INDUSTRIES LTD.



Paramount Resources

C.W. - 755

Jan 12, 1981

Jim Galts

JG/db

Stream-Flo Industries Ltd.