

RANGER OIL

DAILY DRILLING REPORT

WELL NAME: RANGER NOTA CREEK C-17 DATE: 97/12/24 REPORT NO.: 1
 DEPTH: 12.14 m PROGRESS: 12.14 m FORMATION: Conductor Barrel
 OPERATIONS AT 08:00 HOURS: Waiting on 457 mm mill for conductor barrel.
 CONTRACTOR/RIG SUPT.: Shehtah Drilling Limited Tom Carriere CO. SUPERVISOR: Jack Brazel
 DAILY COST: \$ 38,647.00 CUM. COST: \$ 1,048,066.00 AFE NO.: E7D-029

WELL CONTROL

DAILY RIG CHECK: DAILY BOP CHECK: R.S.S.P.: kPa @: SPM
 TRIP RECORDS: CALCULATED HOLE FILL: m3 ACTUAL HOLE FILL: m3
 BOP DRILLS: CONDUCTED WHILE Prior to spud WELL SECURED IN MIN.
 CONDUCTED AT 10:30 HRS. CREW PERFORMANCE Good
 DAYS SINCE BOP DRILL (EACH CREW): MAXIMUM CASING HOLD BACK 0 kPa

DRILLING PARAMETERS

BIT PERFORMANCE		MUD PROPERTIES		PUMPS	
BIT NUMBER	1A	WEIGHT (kg/m3)	1020	No. 1 LINER (mm)	152X216
SIZE (mm)	444.5	VISCOSITY (sL)	40	No. 1 SPM	110
TYPE		pH	9.5	No. 2 LINER (mm)	152X216
SERIAL No.		PV (mPa S)		No. 2 SPM	110
NOZZLES (mm)	15.9	YP (Pa)		VOLUME (m3/min.)	2.5982
DEPTH IN (m)	15.9	GELS (Pa)		PRESSURE (kPa)	3400
METERS (m)	15.9	SAND (%)		D.P. ANN. VEL. (m/min.)	
HOURS	8.25	SOLIDS (%)		D.C. ANN. VEL. (m/min.)	23
WOB (1000 Dwt)	1	FILTER CAKE (mm desc.)		D.C. ANN. VEL. (m/min.)	
R.P.M.	110	WATER LOSS (cc)		SOLIDS CONTROL	
CONDITION		CHLORIDES (mg/l)		SHAKER SCREENS	SOX50
				PUMP OUT (m3/stk)	0.01181

DRILLING ASSEMBLY

ITEMS	O.D.	I.D.	T.J. TYPE	MUD ADDITIVES			D. SILT	CENT.
Bit	444	84	168 Reg	Sacks	Product	Cost	U.F. (kg/m3)	
Bit Sub	228	76	168 Reg	1	Caustic	\$ 77.00	U.F. (kg/m3)	
Shock Sub	228	78	168 Reg	70	Bentonite	\$ 15.00	VOL. (l/min.)	
Jars	228	78	127 H90	1	Soda Ash	\$ 40.00	HOURS	
Bell Sub	225	58	127 H90					
Change Over	165	58	127 XH					
BHA LENGTH	10.51	m						
HOOK LOAD	2000	daN						
AVAILABLE WOB	2000	daN						
JOINTS DP. on Racks:				Daily Mud Cost	\$ 1,167.00			
In String:				Total Mud Cost	\$ 1,244.00			
TOTAL:	0			Time Break Down				

DRILLING OPERATIONS		EVALUATION		PROBLEMS		SUMMARY	
DRILLING	1.25	CORING		RIG REPAIR	1.25	TODAY	CUM.
TRIP		LOGGING		LOST CIRC.		1.25	
RIG SERVICE		TESTING		REAM & WASH			
SURVEY		CIRC. SAMPLE		WORK PIPE			
SLIP & CUT		HANDLE TOOLS	3	FISH			
COND. MUD		TRIP		TRIP			
NIPPLE UP/DN		REAM RATHOLE		Safety MTG	0.5		
RUN CASING		Rig to Spud	5	CIRC. W.O.T.	6		
CEMENT		Drill Iron, Conductor	7	Total Hours	24		
HANDLE TOOLS							

Time 24 Hour Summary Time
 Rigged up Shehtah rig no. 1 to spud.
 Complete rig inspection was done by Jack. Ordered out electrician for repairs.
 Had pre spud and safety meeting with Shehtah Drilling Limited personal. (NOTE) Spudded 97/12/24, 1130 hr's.
 Drilled 444.5 mm hole to 11.9 mKB, drilling took 1.25 hours.
 Drilled on conductor barrel, 110 Rpm, 1 DAN. to a depth of 12.1 mKB. (NOTE) Problems with SCR, repaired 1.25 hr's.
 Hung tongs up derrick and tightened swivel into kelly, picked up shock sub and drilling jars for stabilization and weight.
 Attempted to drill conductor barrel for 3.5 hours, made .04 m of progress. Shut down drilling operation.
 Circulated and waited on mill to come from Enterra in Edmonton.

(NOTE) Total conductor barrel in hole 12.51 mKB.

(NOTE) Ground 166.72 m Construction had 1.5 m cut at hole center.
 KB to Ground 5.50 m
 KB 172.22 m

SIGNED BY: Jack Brazel MOBILE No.: 403-282-9301



DAILY DRILLING REPORT

WELL NAME: RANGER NOTA CREEK C-17 DATE: 97/12/23 REPORT NO.: PS10
 DEPTH: 0 m PROGRESS: 0 m FORMATION: n/a
 OPERATIONS AT 06:00 HOURS: Rig up Shehtah Drilling rig no. 1 to spud.
 CONTRACTOR/RIG SUPT.: Shehtah Drilling Limited CO. SUPERVISOR: Jack Brazel
 DAILY COST: \$ 180,566.00 CUM. COST: \$ 1,009,419.00 AFE NO: E7D-029

Pre-
Drilling

WELL CONTROL

DAILY RIG CHECK: DAILY BOP CHECK: R.S.S.P.: kPa @: SPM
 TRIP RECORDS: CALCULATED HOLE FILL m3 ACTUAL HOLE FILL: m3
 BOP DRILLS: CONDUCTED WHILE WELL SECURED IN MIN.
 CONDUCTED AT HRS. CREW PERFORMANCE
 DAYS SINCE BOP DRILL (EACH CREW): MAXIMUM CASING HOLD BACK kPa

DRILLING PARAMETERS

BIT PERFORMANCE			MUD PROPERTIES			PUMPS	
BIT NUMBER	1A		WEIGHT (kg/m3)			No. 1 LINER (mm)	152X203
SIZE (mm)	444.5		VISCOSITY (s/l)			No. 1 SPM	
TYPE			pH			No. 2 LINER (mm)	152X203
SERIAL No.			PV (mPa S)			No. 2 SPM	
NOZZLES (mm)			YP (Pa)			VOLUME (m3/min.)	0
DEPTH IN (m)			GELS (Pa)			PRESSURE (kPa)	
METERS (m)			SAND (%)			D.P. ANN. VEL. (m/min.)	
HOURS			SOLIDS (%)			D.C. ANN. VEL. (m/min.)	
WOB (1000 daN)			FILTER CAKE (mm desc.)			D.C. ANN. VEL. (m/min.)	
R.P.M.			WATER LOSS (cc)			SOLIDS CONTROL	
CONDITION			CHLORIDES (mg/l)			SHAKER SCREENS	
						PUMP OUT (m3/stk)	0.01113

DRILLING ASSEMBLY

ITEMS	O.D.	I.D.	T.J. TYPE	MUD ADDITIVES			D. SILT.	CENT
Bit	444	78		Sacks	Product	Cost		
Shack Sub	222	78	188 Reg	1	Caustic	\$ 77.00		
BHA LENGTH			m					
HOOK LOAD			daN					
AVAILABLE WOB			daN					
Joints DP. on Racks:								
In String:								
TOTAL: 0								
Time Break Down								

DRILLING OPERATIONS		EVALUATION		PROBLEMS		SUMMARY	
DRILLING		CORING		RIG REPAIR		TODAY	CUM.
TRIP		LOGGING		LOST CIRC.			
RIG SERVICE		TESTING		REAM & WASH			
SURVEY		CIRC. SAMPLE		WORK PIPE			
SLIP & CUT		HANDLE TOOLS		FISH			
COND. MUD		TRIP		TRIP			
NIPPLE UP/DN		REAM RATHOLE					
RUN CASING		Rig to Spud	24				
CEMENT							
HANDLE TOOLS							
				Total Hours	24		

Time 24 Hour Summary Time
 Rigged up Shehtah rig no. 1 to spud.
 Installed flow nipple, flow line, HCR valve and 101 mm relief line on deverter system.

(NOTE) Island Valley Oil Limited fuel truck had motor problems after delivering fuel to location, broke down on road.

(NOTE) Boiler no. 2, started 97/12/23, 0600 hrs.

(NOTE) Weatherford Enterra flanged flow nipple, (HAD NO BOLTS) cut two flange bolts in half.

SIGNED BY: Jack Brazel

MOBILE No.: 403-282-9301



DAILY DRILLING REPORT

WELL NAME: RANGER NOTA CREEK C-17 DATE: 97/12/21 REPORT NO.: PS8
 DEPTH: 0 m PROGRESS: 0 m FORMATION: Na
 OPERATIONS AT 08:00 HOURS:
 CONTRACTOR/RIG SUPT.: Shedthah Drilling Limited Niel Spears CO. SUPERVISOR: Jack Brazel
 DAILY COST: \$ 36,655.00 CUM. COST: \$ 789,540.00 AFE NO: E7D-029

WELL CONTROL

DAILY RIG CHECK: DAILY BOP CHECK: R.S.P.: kPa () SPM
 TRIP RECORDS: CALCULATED HOLE FILL m3 ACTUAL HOLE FILL: m3
 BOP DRILLS: CONDUCTED WHILE WELL SECURED IN MIN.
 CONDUCTED AT HRS. CREW PERFORMANCE
 DAYS SINCE BOP DRILL (EACH CREW): MAXIMUM CASING HOLD BACK kPa

DRILLING PARAMETERS

BIT PERFORMANCE		MUD PROPERTIES		PUMPS	
BIT NUMBER		WEIGHT (kg/m ³)		No. 1 LINER (mm)	
SIZE (mm)		VISCOSITY (s/1)		No. 1 SPM	
TYPE		pH		No. 2 LINER (mm)	
SERIAL No.		PV (mPa S)		No. 2 SPM	
NOZZLES (mm)		YP (Pa)		VOLUME (m ³)	
DEPTH IN (m)		GELS (Pa)		PRESSURE (kPa)	
METERS (m)		SAND (%)		D.P. ANN. VEL. (m/min.)	
HOURS		SOLIDS (%)		D.C. ANN. VEL. (m/min.)	
OB 11000 Bar		FILTER CAKE (mm desc.)		D.C. ANN. VEL. (m/min.)	
R.P.M.		WATER LOSS (cc)		SOLIDS CONTROL	
CONDITION		CHLORIDES (mg/l)		SHAKER SCREENS	
				PUMP OUT (m ³ /min)	

DRILLING ASSEMBLY

Time	24 Hour Summary	Time
08:00	Welder built and installed shale slides on shaker, installed bowl for Enterra deaerator equipment, and installed flowline on flow nipple.	
	Inspected derrick, sub structure and drawworks prior to derrick being raised. Derrick was up 07/12/21, 1200 hrs.	
	Plowed pit and ditches where dug with with hoe and Chinook shale tank was put in place.	
	Prefabs where put up and general rig up	
20:00	on Shehtah rig no. 1.	

SIGNED BY: Jack Brazeal

MOBILE No.: 403-282-9301

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DAILY DRILLING REPORT

WELL NAME: RANGER NOTA CREEK C-17 DATE: 97/12/20 REPORT NO.: PS7
 DEPTH: 0 m PROGRESS: 0 m FORMATION: Na
 OPERATIONS AT 06:00 HOURS:
 CONTRACTOR/RIG SUPT.: Ghettih Drilling Limited Niel Spears CO. SUPERVISOR: Jack Braelz
 DAILY COST: \$ 42,120.00 CUM. COST: \$ 752,885.00 AFE NO: E7D-029

WELL CONTROL

DAILY RIG CHECK: DAILY BOP CHECK: R.S.S.P.: kPa @: GPM
 TRIP RECORDS: CALCULATED HOLE FILL m3 ACTUAL HOLE FILL: m3
 BOP DRILLS: CONDUCTED WHILE WELL SECURED IN MIN.
 CONDUCTED AT HRS. CREW PERFORMANCE
 DAYS SINCE BOP DRILL (EACH CREW): MAXIMUM CASING HOLD BACK kPa

DRILLING PARAMETERS

BIT PERFORMANCE		MUD PROPERTIES		PUMPS	
BIT NUMBER		WEIGHT (kg/m ³)		No. 1 LINER (mm)	
SIZE (mm)		VISCOSITY (sL)		No. 1 SPM	
TYPE		pH		No. 2 LINER (mm)	
SERIAL No.		PV (mPa S)		No. 2 SPM	
NOZZLES (mm)		YP (Pa)		VOLUME (m ³)	
DEPTH IN (m)		GELS (Pa)		PRESSURE (kPa)	
METERS (m)		SAND (%)		D.P. ANN. VEL. (m/min.)	
HOURS		SOLIDS (%)		D.C. ANN. VEL. (m/min.)	
OB (1000 Dwt)		FILTER CAKE (mm desc.)		D.C. ANN. VEL. (m/min.)	
R.P.M.		WATER LOSS (cc)		SOLIDS CONTROL	
CONDITION		CHLORIDES (mg/l)		SHAKER SCREENS	
				PUMP OUT (m ³ /min)	

DRILLING ASSEMBLY

SIGNED BY: **Jack Brazel**

MOBILE No.: 403-282-9301