

1-1-24W

API#: 15-137-20,319  
 Well Name: No. 1 McKinley "L" Prospect: North Star  
 Location: NW NW SW Section 1-1S-24W Norton County, Kansas  
 Operator: Sunburst Exploration Company, Inc Contractor: Abercrombie Drilling Rig 4  
 1-913-434-4852 8619  
 Proposed TD: 3550' Granite  
 Elevation: 2294 GR 2299 KB AFE: DHC CWC  
 Well Site Geologist: Bob Mathiesen 1-913-877-3381 Rm. 113  
 Reference well: No. 1 McKinley "X" NE NE NE Section 14-1S-24W

Formation	Sample Tops:	Ref. well	Formation	Log Tops:
Anhydrite	1818 (+ 481)	+ 2	Anhydrite	1820 (+ 479)
Topeka	3018 (- 719)	+ 5	Heebner	3191 (- 892)
Heebner	3191 (- 892)	+ 2	Lansing	3230 (- 931)
Lansing	3229 (- 930)	+ 5	B/Kansas City	3427 (-1128)
B/Kansas City	3429 (-1130)	+ 3	Penn. Sand	3465 (-1166)
Penn. Sd. Zone	3466 (-1167)	+13	Granite Wash?	3478 (-1179)
Granite	3484 (-1185)	+30	Granite	3484 (-1185)
RTD	3505 (-1206)		LTD	3505 (-1206)

DATE	DEPTH	DRILLING OPERATIONS
10-31-83		MIRT
11-01-83		RURT (heavy fog)
11-02-83	324'	W.O.C. Spud @ 3:15 p.m. 11-1-83. Drld. 324' 12 1/4" hole. Ran 8 jts. of 8 5/8" 20# csg. Talley @ 315.58', set @ 322'. Surf. csg. cemented with 240 sx Common, 3% C.C., 2% Gel. Cement did circ. Plug was down @ 9:00 p.m. 11-1-83. CWC \$10,698.00.
11-03-83	2638'	Drilling. Native mud. Dev. 1/2" @ 1841'. CMC \$193.20, CWC \$28,596.00.
11-04-83	3267'	Circ. for samples. MW 9.1, Vis. 43. Pipe strap @ 2638' .84' short to board. Dev. 3/4" @ 2638'. CMC \$1,993.20, CWC \$36,513.00.
11-05-83	3290'	Drill pipe stuck @ 2650' (while making short trip preparatory to running DST No. 1 3245-3290). Spotted 50 bbls oil and 30 gals. pipe lax. MW 9, Vis. 47, WL 10.6, PH 11, Chlds. 10,000, Solids 3.2%. CMC \$2,598.02, CWC \$38,693.00.
11-06-83	3380'	GIH w/DST # 2 3319-3380 (Lansing H-J zones). Freed stuck drill pipe @ 10:00 a.m. 11-5-83. MW 9, Vis. 46, WL 4.6, PH 11, Chlds. 12,000, Solids 2%, Dev. 1/2" @ 3290'. CMC \$3,202.16, CWC \$44,397.00 DST #1 3245-3290 (Lansing B & D zones) 30" 45" 45" 60" Rec. 45' OCM (8% oil, 4% wtr., 88% mud)* IFP 32-53# FFP 53-63# ISIP 889# FSIP 795# BHT 97°F *Note: Pit Sample (7% oil, 1% wtr., 92% mud) oil recovered on DST #1 probably from oil in mud system.
11-07-83	3480'	Circ., preparing for DST #4 3464-3480. MW 9.1, Vis. 47, WL 6, PH 10.5, Chlds. 11,000, Solids 2%. CMC \$3,202.16, CWC \$52,087.00. DST #2: 3319-3380 (Lansing H & J zones) 30" 45" 45" 60" Rec. 180' OCM (5% oil, 1% wtr., 94% mud)* 260' wtry mud (Chlds. 45,000) IFP 74-126# FFP 126-242# ISIP 1149# FSIP 1128# BHT 100°F *Note: Oil recovered on DST #2 probably from oil in mud system.

(OVER)

DATEDEPTHDRILLING OPERATIONS

11-07-83 (cont.) DST #3 3379-3430 (Lansing K & L zones)  
 30" 45" 30" 45"  
 Rec. 1247' Muddy Wtr. (Chlds. 55,000)  
 IFP 84-431# FFP 483-619#  
 ISIP 972# FSIP 962# Temp. 102°F

11-08-83 3505' RTD & LTD, MW 9.2, Vis. 52, Gels 14/46, WL 9.4, PH 11,  
 Chlds. 14,000, Solids 4.8%. CMC \$3,468.00, CWC \$63,472.00.  
 DST #4 3464-3480 (Penn. Sand)  
 30" 45" 30" 45"  
 Rec. 1415' MW (Chlds. 47,200)  
 IFP 105-577# FFP 587-764#  
 ISIP 941# FSIP 941# Temp. 100°F

Ran Dresser Atlas/Dual Induction and Neutron/Density Logs.  
 Preparing to run DST #5 3270-3312 (Lansing "G" zone) straddle  
 test.

11-09-83 3505' RTD, plugging. MW 9.2, Vis. 48, WL 9.4, PH 11, Chlds. 14,000.  
 CMC \$3,468.00, CWC \$71,357.00.  
 DST #5 3270-3312 (Straddle Lansing "G" zone)  
 30" 45" 45" 60"  
 Rec. 215' WM  
 IFP 31-73# FFP 73-115#  
 ISIP 1137# FSIP 1126#

11-10-83 Set the 1st plug @ 1830' w/ 20 sx  
 2nd plug @ 1070' w/100 sx  
 3rd plug @ 370' w/ 40 sx  
 4th plug @ 40' w/ 10 sx Solid Bridge Plug  
 10 sx in the rathole  
 Cemented with 50/50 Pozmix, 6% Gel, 3% C.C. Plug down @ 8:45 a.m.  
 11-9-83.

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1-1-83m