



Drilling Report

Single Well History

UL Sprinter E 22112 40-31-41 #06H (WU__)

(BTA 100% WI)

7/1/2023 (2 days) Depth 421' (421') Proposed depth 20,367'. LOCATION: 276' FSEL & 2029' FSWL of Section 40; AJ Wilson Survey; Ward County, TX. ELEVATION: 2,777' G.L.; 2,802' K.B. CONTRACTOR: Patterson Drilling - Rig #282. Walk rig over well, SPUDDER 6/30/2023, drilled 17-1/2" hole in surface rock and red beds, circ and condition hole, TOH, 13-3/8" C @ 421' (54.5# J-55 STC) with 495 sx. Cmt circ to surface, test 13-3/8" csg to 1000 psi for 30 min (good test), WOC, cut off, suspend operations for batch drilling, drop from report.

CC: \$573,800

7/14/2023 (3 days) Depth 421' Resumed operations 7/13/2023, walk rig over well, install/test BOP's. MW: (Brine) 10, Vis 29.

CC: \$613,800

7/15/2023 (4 days) Depth 2,731' (2,310') Test BOPs, WIH with bit, drilled out, drilling 12-1/4" hole with motor using MWD. DEV: 2621' - 3.1; AZM 111.0; TVD 2695'; 40' S & 113' E. MW: (Brine) 10, Vis 29.

CC: \$725,500

7/16/2023 (5 days) Depth 4,864' (2,133') Drilling 12-1/4" hole with motor using MWD. DEV: 4691' - 2.5; AZM 128.3; TVD 4862'; 114' S & 220' E. MW: (Brine) 10, Vis 29.

CC: \$788,500

7/17/2023 (6 days) Depth 4,986' (122') Drilled 12-1/4" hole with motor using MWD. DEV: 4907' - 2.6; AZM 112.1; TVD 4898'; 119' S & 228' E. Circ and condition hole, TOH, 9-5/8" C @ 4,971' (40# HCL-80 LTC) with 765 sx. Cmt circ to surface, test 9-5/8" csg to 1500 psi for 30 min (good test), WOC.

CC: \$1,143,800

7/18/2023 (7 days) Depth 6,735' (1,749') Install/test wellhead packoff, WIH with bit, drilled out, drilling 8-3/4" hole with motor using MWD. DEV: 6675' - 0.2; AZM 175.0; TVD 6665'; 136' S & 239' E. MW: (Cut Brine) 9.3, Vis 29.

CC: \$1,317,600

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7/19/2023 (8 days) Depth 8,616' (1,881') Drilling 8-3/4" hole with motor using MWD. DEV: 8556' - 0.7; AZM 349.5; TVD 8546'; 131' S & 226' E. MW: (Cut Brine) 9.3, Vis 29.

CC: \$1,393,200

7/20/2023 (9 days) Depth 8,657' (41') Tripped for bit, drilling 8-3/4" hole with motor using MWD. MW: (Cut Brine) 9.3, Vis 29.

CC: \$1,470,200

7/21/2023 (10 days) Depth 9,361' (704') Drilled 8-3/4" hole with motor using MWD. DEV: 9214' - 1.2; AZM 191.4; TVD 9205'; 129' S & 229' E. Circ and condition hole, TOH, LD BHA, GIH with bit. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,526,000

7/22/2023 (11 days) Depth 10,495' (1,134') WIH with bit, drilling 8-3/4" hole with motor using MWD. DEV: 10249' - 1.5; AZM 231.0; TVD 10239'; 138' S & 226' E. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,624,900

7/23/2023 (12 days) Depth 10,615' (120') Drilled 8-3/4" hole with motor using MWD. DEV: 10437' - 1.1; AZM 272.0; TVD 10427'; 141' S & 222' E. Circ and condition hole, TOH, LD BHA, ran 7-5/8" casing to 5081' and became stuck. Working stuck casing. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,664,900

7/24/2023 (13 days) Depth 10,615' Work stuck casing (no movement), RU wireline and cut 7-5/8" casing at 4,800'. Rigging down wireline. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,726,300

7/25/2023 (14 days) Depth 10,615' Rig down wireline, LD casing, GIH with fishing assembly. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,832,600

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7/26/2023 (15 days) Depth 10,615' WIH with fishing assembly, engage fish, jar on fish (no movement), attempt to release spear (unable to release), RU wireline for string shot to release spear. MW: (Cut Brine) 9.5, Vis 30.

CC: \$1,892,900

7/27/2023 (16 days) TD 10,615'. Sidetrack depth 4,737' (1'). (1 day ST). Unable to release spear, back off leaving spear in hole, TOH, RIH with whipstock assembly and set at 4736', milling window. MW: (Cut Brine) 9.5, Vis 30.

CC: \$2,002,300

7/28/2023 (17 days) TD 10,615'. Sidetrack depth 4,756' (19'). (2 day ST). Milled window and rathole, tripping for drilling assembly. MW: (Cut Brine) 9.5, Vis 30.

CC: \$2,199,900

7/29/2023 (18 days) TD 10,615'. Sidetrack depth 4,757' (1'). (3 day ST). WIH with drilling assembly, unable to pass thru window, tripped for milling assembly, cleaned up window, tripping for drilling assembly. MW: (Cut Brine) 9.5, Vis 30.

CC: \$2,346,700

7/30/2023 (19 days) TD 10,615'. Sidetrack depth 5,338' (581'). (4 day ST). WIH, drilling 8-3/4" hole with motor using MWD. DEV: 5265' - 0.7; AZM 190; TVD 5255'; 115' S & 248' W. MW: (Cut Brine) 9.5, Vis 30.

CC: \$2,578,100

7/31/2023 (20 days) Depth 10,620' Drilled 8-3/4" hole with motor using MWD to 5866' and intersect original wellbore, TIH, circ and condition hole, TOH, running 7-5/8" liner. MW: (Cut Brine) 9.5, Vis 30.

CC: \$2,678,100

8/1/2023 (21 days) Depth 10,620' 7-5/8" liner C 4,828' - 10,620' (29.7# P-110 Cobra SP) with 300 sx. Set liner hanger, cmt did not circ to surface off liner top, TOC calc 6000'. TOH, LD setting tool. Suspend operations for batch drilling, drop from report.

CC: \$3,175,200

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8/11/2023 (22 days) Depth 10,620' Walk rig over well, install/test BOP's, install/test tie back liner, LD DP. Suspend operations, drop from report.

CC: \$3,183,800

9/10/2023 (22 days) Depth 10,620' Resumed operations 9/10/2023, walk rig over well, install BOP's, testing.

CC: \$3,615,300

9/11/2023 (23 days) Depth 10,778' (158') Test BOP's, test 9-5/8" x 7-5/8" csg to 1500 psi for 30 min (good test), WIH with bit, displaced to OBM, drilled out, drilling 6-3/4" hole with motor using MWD. MW: (OBM) 13.4, Vis 72, FL 8.0.

CC: \$3,752,100

9/12/2023 (24 days) Depth 11,515' (737') Drilling 6-3/4" hole with motor using MWD. DEV: 11399' - 73.1; AZM 326.5; TVD 11222'; 187' N & 14' W. MW: (OBM) 13.0, Vis 72, FL 8.0.

CC: \$3,792,100

9/13/2023 (25 days) Depth 12,377' (862') Drilling 6-3/4" hole with motor using MWD. DEV: 12250' - 91.3; AZM 320.2; TVD 11271'; 877' N & 503' W. MW: (OBM) 12.9, Vis 62, FL 8.0.

CC: \$3,944,200

9/14/2023 (26 days) Depth 13,751' (1,374') Drilling 6-3/4" hole with motor using MWD. DEV: 13666' - 94.3; AZM 321.1; TVD 11244'; 1957' N & 1418' W. MW: (OBM) 12.9, Vis 62, FL 8.0.

CC: \$4,053,200

9/15/2023 (27 days) Depth 15,052' (1,301') Drilling 6-3/4" hole with motor using MWD. DEV: 14988' - 88.7; AZM 324.2; TVD 11339'; 3002' N & 2216' W. MW: (OBM) 12.9, Vis 62, FL 8.0.

CC: \$4,153,200

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9/16/2023 (28 days) Depth 16,209' (1,157') Drilling 6-3/4" hole with motor using MWD. DEV: 16120' - 88.0; AZM 317.0; TVD 11363'; 3897' N & 2908' W. MW: (OBM) 13.0, Vis 62, FL 8.0.

CC: \$4,213,900

9/17/2023 (29 days) Depth 16,487' (278') Drilled 6-3/4" hole with motor using MWD. DEV: 16404' - 92.1; AZM 320.7; TVD 11363'; 4113' N & 3091' W. TOH for motor. MW: (OBM) 13.2, Vis 62, FL 8.0.

CC: \$4,366,100

9/18/2023 (30 days) Depth 16,487' TOH, PU rotary steerable system, GIH. MW: (OBM) 13.2, Vis 62, FL 8.0.

CC: \$4,431,100

9/19/2023 (31 days) Depth 17,300' (813') WIH with bit, drilling 6-3/4" hole with motor assist rotary steerable using MWD. DEV: 17198' - 91.5; AZM 322.1; TVD 11349'; 4735' N & 3585' W. MW: (OBM) 13.2, Vis 62, FL 8.0.

CC: \$4,491,100

9/20/2023 (32 days) Depth 18,383' (1,083') Drilling 6-3/4" hole with motor assist rotary steerable using MWD. DEV: 18238' - 86.5; AZM 320.5; TVD 11327'; 5558' N & 4220' W. MW: (OBM) 13.0, Vis 76, FL 5.2.

CC: \$4,754,700

9/21/2023 (33 days) Depth 19,423' (1,040') Drilling 6-3/4" hole with motor assist rotary steerable using MWD. DEV: 19372' - 88.3; AZM 320.7; TVD 11351'; 6443' N & 4928' W. MW: (OBM) 13.1, Vis 65, FL 3.4.

CC: \$4,904,400

9/22/2023 (34 days) Depth 20,145' (722') Drilled 6-3/4" hole with motor assist rotary steerable using MWD. DEV: 20032' - 90.6; AZM 322.8; TVD 11365'; 6963' N & 5334' W. Tripping for motor. MW: (OBM) 13.1, Vis 65, FL 3.4.

CC: \$5,032,100

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9/23/2023 (35 days) Depth 20,145' TOH, change out BHA, GIH with bit. MW: (OBM) 13.1, Vis 65, FL 3.4.

CC: \$5,135,900

9/24/2023 (36 days) TD 20,385' (240') [Horizontal Lateral 10,704' - 20,385' (9,681')]. WIH with bit, drilled 6-3/4" hole with motor using MWD. DEV: 20385' - 91.7; AZM 321.2; TVD 11358'; 7243' N & 5549' W. Circ and condition hole for casing. MW: (OBM) 13.1, Vis 65, FL 3.4.

CC: \$5,221,600

9/25/2023 (37 days) TD 20,385' [Horizontal Lateral 10,704' - 20,385' (9,681')]. Circ and condition hole, TOH, running production casing. MW: (OBM) 13.1, Vis 65, FL 3.4.

CC: \$5,294,700

9/26/2023 (38 days) TD 20,385' [Horizontal Lateral 10,704' - 20,385' (9,681')]. 5-1/2" x 5" tapered string C @ 20,371' [(5" 18# TXP-BTC P110 20,371' - 10,387') (5-1/2" 20# P-110 ICY TXP-BTC to surface)] with 2515 sx. Cmt did not circ to surface, TOC calc 4500'. WOC, land casing, install/test tbg head. RIG RELEASED 9/26/2023. Prep to complete, drop from report pending completion operations.

CC: \$6,460,700

11/13/2023 (39 days) TD 20,385' [Horizontal Lateral 10,704' - 20,385' (9,681')]. MIRU Acquire pumps and FESCO WL. Fill surface casing. Pressure test intermediate casing to 1000 psi for 10 min, good test. SICP: 0 psi. Sweep well w/ 2000 gal 33% HCR and displace w/ 620 bbls treated water 8 BPM @ 6000 psi.

CC: \$6,460,700

11/14/2023 (87 days) TD 20,385' [Horizontal Lateral 10,704' - 20,385' (9,681')]. SICP: 4800 psi. RIH w/ plug and guns for stage 1. Pump down, but pressured out at 18,968'. POH. Sweep well w/ 2000 gal 33% HCR and displace w/ 500 bbls. RIH w/ new plug and guns. Pump down and set plug @ 20,140'. Pressure test casing to 9500 psi for 30 min, good test. Shoot stage 1 perfs: 20265, 20238, 20120, 20183, 20155, 20128. Toe prep complete. *Costs include production facilities.

CC: \$6,941,600