



Drilling Chron Partner Report

Well Name: UL EMPIRE 15-16 A 5TB

API/UWI 42475384210000	Surface Legal Location SEC130-BLK2-T&P RR CO SRVY ABSTRAC	Field Name Spraberry (Trend Area)	Drilling Permit # 880946	State/Province TEXAS	Well Configuration Type HORIZONTAL
Original KB Elevation (ft) 2,762.00	KB-Tubing Head Distance (ft)	Spud Date 9/30/2023 19:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB) Original Hole - 10,889.5

Daily Operation: 12/24/2023 06:00 - 12/25/2023 06:00

Depth Progress (ft) 0.00	Drilling Hours (hr)	Circulating Hours (hr)	Avg ROP (ft/hr)	Contractor H&P	Rig Number 462	Daily Field Est Total (Cost) 87,227.79	Cum To Date (Cost) 3,860,158.92
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24 Hour Summary

Current Operations: Running 5 1/2 production casing @ 1500'

24 Hour Summary: Continue to Strip out of hole from 18,750' - 12,523' - top of sidetrack, Circulate out ECD pill, orient, wipe back into sidetrack to 12,870' - no issues, survey confirmed in new hole, Pump out to 12,523' and pump 135 bbl ECD pill, Continue to strip out of hole, holding 12.2ppg EMW with Opla to 11,200' Perform routine Rig service, Pump out ECD pill (due to OPLA not having desired pressure-verified wts coming back) Pump 135 bbl 13.5 ECD pill, Continue to strip out of hole, holding 12.2ppg EMW with Opla to 7,045' Pump remainder of ECD pill 100 bbls of 13.5 ppg. Trip out of hole to bha, l/d bha. Make up Rot head on landing joint. PJSM, Rig up casing crew, pick up shoe track, calibrate equip, dump test, and pump thru floats. Make up 5 1/2 production casing and run in hole monitoring fill

Notified TRRC on upcoming Casing and Cementing Operations Operator #14 Gina

T&C: 6.75days under and 300K under on costs.

EHS: No incidents, accidents or spills reported.

Next full BOP test 1-10-24.

Time Log

Start Time	Dur (hr)	End Time	Code	Start Depth (ftKB)	End Depth (ftKB)	Com
06:00	4.00	10:00	38	21,782.0	21,782.0	Continue to Strip out of hole holding 12.2ppg EMW with Opla from 18,750' No issues and hole taking proper fill-12,523'
10:00	3.00	13:00	37	21,782.0	21,782.0	Circulate out ECD pill, orient, wipe back into sidetrack to 12,870' - no issues, survey confirmed in new hole, Pump out to 12,523' and pump 135 bbl ECD pill,
13:00	1.25	14:15	38	21,782.0	21,782.0	Continue to strip out of hole, holding 12.2ppg EMW with Opla to 11,200'
14:15	0.50	14:45	41	21,782.0	21,782.0	Perform Rig Service
14:45	1.75	16:30	37	21,782.0	21,782.0	Circulate out ECD pill (due to OPLA not having desired pressure-verified wts coming back), and pump 135 bbl ECD pill,
16:30	1.50	18:00	38	21,782.0	21,782.0	Continue to strip out of hole, holding 12.2ppg EMW with Opla to 7,045'
18:00		18:00	37	21,782.0	21,782.0	Pump remainder of ECD pill 100 bbls
18:00	2.00	20:00	38	21,782.0	21,782.0	Continue to strip out of hole, holding 12.2ppg EMW with Opla to 3,000'
20:00	0.75	20:45	38	21,782.0	21,782.0	L/D agitator, pull rot head and perform flow check well not flowing
20:45	2.00	22:45	38	21,782.0	21,782.0	Continue to trip out from 3000' - 114'
22:45	1.75	00:30	40	21,782.0	21,782.0	Attempt to pull mwd, could not retrieve and had to l/d in monel, L/d UBHO, stabs, Break bit, and l/d motor,
00:30	1.75	02:15	45	21,782.0	21,782.0	Clear rig floor, make up Rot head on landing Joint, and hold PJSM with 3rd party hands, and H&P personel
02:15	1.50	03:45	45	21,782.0	21,782.0	Rig up casing crew, CRT, torque turn, perform dump test
03:45	2.25	06:00	46	21,782.0	21,782.0	'Pick up shoe track and pump thru, Run 5.5" 20# P-110 HP TLW Keeping pipe full, monitoring returns, Apply seal lube on pins on the floor per Hunting reps.

Mud Checks

Time 06:00	Mud Company Stellar Drilling Fluids LLC	Type Oil Base	Depth (ftKB) 21,782.0	Dens (lb/gal) 11.20	Vis (s/qt) 59	PV OR (cP) 18.0	YP OR (lb/100) 12.000	Gel (10s) (lb/100) 9.000	Gel (10m) (lb/100) 18.000	Filtrate (mL/30m) 9.0
Percent Water (%) 18.0	pH	Salt (%)	Sand (%)	Chlorides (mg/L) 43,500.000	Percent Oil (%) 62.0	ECD - Manual Entry (lb/gal) 11.61	Solids (%) 20.0			