

WELL: UL OG EAST J 1219-27 4310H

DE IV OPERATING LLC

DAILY OPERATIONS

FIELD: UL OG EAST PAD 4

COUNTY/STATE REAGAN/TEXAS

PTD:

LOCATION: SEC 1219 D&SE RR CO

SURFACE X,Y:

B/HOLE X,Y:

ELEVATION (RKB): 2,663

API #: 4238341830

SERIAL NO:

SPUD DATE: Nov 9 2024

OBJECTIVE:

JOB NAME: NEW DRILL

CONTRACTOR/RIG#: /Noram 30

Nov 10 2024 MD: 786 TVD: 786 FOOTAGE: 786 MW: 0.0 LB PTD:

RIG SUPERVISOR: Jonathan Ralph PBTD:

PRESENT OPERATIONS: Drilling @ 786'

Rig down from the UL OG East L 4212H, lay derrick over.;Spot rig over the UL OG East J 4310H and raise derrick. Set rig floor, pipe loader, racks, doghouse, stairways, trash pump on cellar, rig up air, electrical, high pressure hydraulic lines. Pre-Spud inspection, function test, Drops test.

Notified TRRC and spoke with Amanda at 10:20 AM 11-8-2024";PICK UP DIAMANT BIT S/N# N00228, FIRETHORNE MUD MOTOR S/N #PDT 825521, 2 B & R STABILIZERS S/N# BR1721--BR15374, TRUSHOT UBHO AND NMDC AND SCRIBE. TRIP IN HOLE AND TAG @ 35';Drill F/35' T/ 786'

ACTIVITY PLANNED: Drill, TOO, Run Casing, Cement, Move Rig To 2nd Pad

Nov 11 2024 MD: 915 TVD: 915 FOOTAGE: 129 MW: 0.0 LB PTD:

RIG SUPERVISOR: Jonathan Ralph PBTD:

PRESENT OPERATIONS: Release F/ OG East J 4310H @ 12:00 On 11/10/24

Drill F/786' T/915';CIRCULATING POLY SWEEPS TO CLEAN WELL BORE.;TRIP OUT OF HOLE WITH PIPE AND COLLARS. CLEAR FLOOR OF ALL DRILLING EQUIPMENT.;PJSM WITH SMITH CASING CREW AND RIG CREW. DISCUSS THE HAZARDS OF RUNNING CASING AND GO OVER JOB DETAILS. RIG UP TONGS AND TEST E STOPS.;RAN A TOTAL OF 22 JOINTS OF 13-3/8, BTC, 54.5# CASING WITH SMITH SET @ 915'. WASHED DOWN LAST JOINT. RIG DOWN CASING CREW;CIRCULATE CASING ON BOTTOM. PJSM WITH BIG E CEMENTERS AND RIG CREW. DISCUSS THE HAZARDS OF PUMPING CEMENT. GO OVER JOB DETAILS. PRE LOAD PLUG AND RIG UP CEMENTERS;PJSM w/ Big E Services. Pressure test lines to 2,000 psi. Pump cement as follows: Lead cement 425 sxs / 186 bbls, Class C + 8% E-320 + 0.125# E-600 + .25% E-800 + 5% E-505(BWOW) 12.3 ppg, 2.46 yield, 14.25 gal/sx. Tail cement 180 sxs /42 bbls, Class C + .25% E-800 14.8 ppg, 1.34 yield, 6.34 gal/sx. Full returns entire job. Displace with 135 bbls freshwater. 110 bbls cement back. 250 psi FCP. Bump Plug W/ 800 psi @ 11:15. Float Holding. Bled back 1/2 barrels back.;CUT CASING @ GROUND LEVEL AND LAY OUT.RIG RELEASE @ 12:00 On 11/10/24.

ACTIVITY PLANNED: Move To Next Pad

Feb 6 2025 MD: 915 TVD: 915 FOOTAGE: MW: 0.0 LB PTD:

RIG SUPERVISOR: Mike Haese / Mike Guinn PBTD:

PRESENT OPERATIONS: Rigging up flow line & standpipe

Walk Rig 25' From UL OG East L 1219-27 4212H and center over the UL OG East J 1219-27 4310H;Set BOP, install speed head clamps & test break to 5K;Install flow line skid, hook up flow line, standpipe and turnbuckles.

ACTIVITY PLANNED: Finish rig up. P/U BHA #2 & TIH. Test casing. Slip & cut drill line. Drill out shoe track. Drill 12.25" intermediate section

Feb 7 2025 MD: 5,327 TVD: 5,315 FOOTAGE: 4,412 MW: 9.5 LB PTD:

RIG SUPERVISOR: Mike Haese / Mike Guinn PBTD:

PRESENT OPERATIONS: Drilling 12.25" int section @ 5,327'

Finish M/U Flowline, Mud lines, Install Mouse hole.;Change out Saver Sub.;Rig Service.;Install Wear Bushing.;Test casing to 750 psi for 30 mins.;PU/MU 12.25" BHA. Ultrerra SPL616 & Pro 8.50" 7/8 7.0 1.75 w/11.75" stab. Scribe. Install MWD & Test;TIH w/ 7" DC's & HWDP F/ 124' T/ 870'.;Drill out 13-3/8" shoe track F/ 870' T/ 915'.;Drill 12.25" int section F/ 915' T/ 1,195' (280' @ 186.7'/hr.) WOB: 45K, RPM: 60, GPM: 950, OB/SPP: 2300, DIFF: 750 - 1200, TQ: 12-18K.;Work on Top Drive track support.;Drill 12.25" int section F/ 1,195' T/ 5,327' (4,132' @ 250.4'/hr.) WOB: 45-50K, RPM: 60, GPM: 960, OB/SPP: 3050, DIFF: 750 - 1000, TQ: 12-18K.

\*\*\*Displaced hole with slop mud @ 4,480'\*\*\*

ACTIVITY PLANNED: Drill 12.25" int section towards TD

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|             |   |  |                |          |    |       |
|-------------|---|--|----------------|----------|----|-------|
| Feb 8 2025  | MD: 7,429   | TVD: 7,417                               | FOOTAGE: 2,102 | MW: 9.3  | LB | PTD:  |
|             | RIG SUPERVISOR:   | Mike Haese / Mike Guinn                  |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:   | Running 9 5/8" casing @ 3,300'           |                |          |    |       |
|             | <p>Drill 12.25" int section F/ 5,327' T/ 7,289' (1,962' @ 170.6'/hr.) WOB: 50K, RPM: 60, GPM: 960, OB/SPP: 3450, DIFF: 500 - 900, TQ: 16-22K.;Service rig &amp; Top Drive;Drill 12.25" int section F/ 7,289' T/ 7,429' (140' @ 140'/hr.) WOB: 50K, RPM: 60, GPM: 960, OB/SPP: 3450, DIFF: 500 - 900, TQ: 16-22K.;Pump high vis sweeps &amp; Circulate hole clean. Pump slug.</p> <p>***Notified TRRC 2/7/25 @ 19:00 PM. Spoke with Lacey, Operator #130***;Trip out of hole F/ 7,645' T/ 1,133'. (Strip out of hole on MPD to 2,694' pumping Calculated fill (60bbls) of 14.5# kill mud on backside. Open MPD at 2,694');Lay down 21jts HWDP, Jars, 11jts 7" DC's;Lay down 12.25" Directional BHA;Pull Wear bushing &amp; clean rig floor.;PJSM, Rig up Byrd casing crew &amp; CRT.;Make up Shoe Track. Test Floats. Run 9-5/8" casing F/0' - T/3,300' (40# J-55 &amp; HCL-80 BTC, L-80 Top - 5,452', DV-Tool / Packer Top - 3,907')</p> <p>ACTIVITY PLANNED: Run 9 5/8" casing &amp; land. Circulate and rig down casing crew. Rig up cementers &amp; pump 2 stage cement job. Set pack-off. P/u up BHA #3 curve assembly &amp; TIH.</p>   |  |                |          |    |       |
| Feb 9 2025  | MD: 7,520   | TVD: 7,508                               | FOOTAGE: 91    | MW: 10.0 | LB | PTD:  |
|             | RIG SUPERVISOR:   | Mike Haese / Mike Guinn                  |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:   | Drilling 7 7/8" curve section @ 7,520'   |                |          |    |       |
|             | <p>Run 9 5/8" 40# J-55 &amp; L-80 BTC casing F/ 3,300' T/ 7,399'.;Circulate 1 x calculated casing capacity while rigging down casing crew.;Rig down CRT. Rig Up ProPetro Cementers.;PJSM. Test lines to 4,000 psi. Pump FIRST stage as follows: 20 bbls of FW followed by Lead: 825 sks (494 bbls) (11.0 ppg, 3.36y) of Pro Eco-C cement. Tail: 225 sks (53 bbls) (14.8 ppg, 1.33y) of Premium C cement. Drop plug &amp; displace with 557 bbls of FW. No returns throughout cement operations. FLP 1000 psi at 4/bbls min. Bump Plug at 15:06PM. with 1500 psi. Inflate packer with 2300 psi. Bled back to 1500 psi 1/2 bbls missing. Check floats. Bled back 3.5 bbls. Floats holding.;Drop opening plug at 15:25 and let fall 25 mins. Open DVT with 600 psi. Pump 20 bbls FW &amp; Establish Returns;Pump SECOND stage as follows: 20 bbls of FW spacer followed by Lead: 1165 sks (527 bbls) (11.6 ppg, 2.54y) of Pro Eco-C Plus Cement. Tail: 120 sks (34 bbls) (13.8 ppg, 1.57y) of Premium C Cement. Drop plug &amp; displace with 297 bbls of FW. Full returns during cement job. FCP 1040 psi @ 4/bbls min. Bump plug at 18:19 PM with 2120 psi. Floats held, bled 5 bbls back. (Circulated 47 bbls/198sks cement to surface);R/D cement equipment &amp; flush stack &amp; flow line, back out landing joint &amp; L/D;Set pack-off &amp; test to 5,000psi (good test). Retrieve running tool &amp; L/D;Test casing above DV-Tool to 1500psi for 30 minutes (good test);PU/MU 7 7/8" Curve BHA &amp; test MWD tool;Pick up 30 joints DP off of pipe racks;TIH T/3,873';Drill out 9 5/8" DVT &amp; cont. baffle F/ 3,908' T/ 4,025'. (RPM: 15 GPM 500, WOB: 5-15K.);Test Casing below DV-Tool to 1500 psi for 30 mins.;TIH F/ 4,025' T/ 7,269'.;Hang off blocks. Slip and cut 16 wraps of drill line. Unhang blocks and calibrate block height and brake test on DW.;Drill out 9 5/8" Shoe track F/ 7,269' T/ 7,399' (RPM 15, GPM 500, WOB 5-20)</p> <p>*** Displace hole with 10 ppg OBM ***;Drill 7 7/8" vertical section F/ 7,399' T/ 7,490' (91' @ 182'/hr.) WOB: 20-25K, RPM: 20, GPM: 500, OB/SPP: 1650, DIFF: 400, TQ: 6-9K.;Drill 7 7/8" Curve section F/ 7,490' T/ 7,520' (30' @ 30'/hr.) WOB: 20-25K, RPM: 0-20, GPM: 500, OB/SPP: 1850, DIFF: 250-500, TQ: 0-3K</p> <p>*** KOP 7,490' ***</p> <p>ACTIVITY PLANNED: Drill 7 7/8" curve &amp; land. POOH &amp; L/D curve assembly. P/U 7 7/8" lateral assembly &amp; TIH. Drill 7 7/8" lateral towards TD</p> |  |                |          |    |       |
| Feb 10 2025 | MD: 8,402   | TVD: 8,013                               | FOOTAGE: 882   | MW: 9.9  | LB | PTD:  |
|             | RIG SUPERVISOR:   | Mike Haese / Mike Guinn                  |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:   | Tripping out of hole @ 4,700'            |                |          |    |       |
|             | <p>Drill 7-7/8" curve section F/ 7,520' T/ 7,836' (316' @ 30.1 '/hr.) WOB: 10-25K, RPM: 0-20, GPM: 625, OB/SPP: 2700, DIFF: 100-300, TQ: 0-3K;Service rig.;Drill 7-7/8" curve section F/ 7,836' T/ 8,402' (566' @ 53.9 '/hr.) WOB: 10-25K, RPM: 0-20, GPM: 625, OB/SPP: 2700, DIFF: 300-600, TQ: 0-3K</p> <p>***EOC 8,388***;Pump Hi-Vis sweep and circulate hole clean. Check flow. Pump slug.;Trip out of hole F/ 8,402' T/ 4,700'.</p> <p>ACTIVITY PLANNED: Trip out of hole &amp; lay down 7-7/8" curve assembly. Pick up 7-7/8 lateral assembly &amp; trip in hole. Drill 7-7/8" lateral section towards TD</p>  |  |                |          |    |       |
| Feb 11 2025 | MD: 12,491  | TVD: 7,983                               | FOOTAGE: 4,089 | MW: 10.2 | LB | PTD:  |
|             | RIG SUPERVISOR:   | Michael BAMA LeMaire / Mike Guinn        |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:   | Drilling 7-7/8" lateral @ 12,491'        |                |          |    |       |
|             | <p>TOOH F/ 4,700' - BHA.;L/D curve motor and bit. Grade dull bit.;P/U and M/U 7-7/8" lateral BHA. Scribe and test.;TIH F/ BHA - 2,936'. P/U agitator. Test before and after P/U agitator. Test @ 600 gpm - 2,100 psi before / 2,580 psi after.;TIH F/ 2,936' T/ 8,402' (Safety wash and ream last stand to bottom).;Drill 7-7/8" lateral F/ 8,402' T/ 12,491' (4,089' @ 247.8'/hr.) WOB: 40-50K, RPM: 75, GPM: 670, SPP: 4300, DIFF: 600-1000, TQ: 12-15K.</p> <p>ACTIVITY PLANNED: Drill 7-7/8" lateral towards TD.</p>  |  |                |          |    |       |
| Feb 12 2025 | MD: 15,042  | TVD: 7,982                               | FOOTAGE: 2,551 | MW: 10.3 | LB | PTD:  |
|             | RIG SUPERVISOR:   | Michael BAMA LeMaire / Mike Guinn        |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:   | Repairing mudline from rig floor to sub. |                |          |    |       |
|             | <p>Drill 7-7/8" lateral F/ 12,491' T/ 12,867' (376' @ 150.4 '/hr.) WOB: 40-50K, RPM: 75, GPM: 675, SPP: 4750, DIFF: 600 -1000, TQ: 12-15K.;Hole in vibrator hose to standpipe. Rack back 1 stand of DP. M/U circulating swedge and iron. Circulate @ 350 gpm. Install new valve and vibrator hose.;Attempt to wash stand to bottom. Perform clean up cycle @ 675 gpm ad 75 RPM. Circulate until shakers clean. Raise MW T/ 10.3+ ppg.;Drill 7-7/8" lateral F/ 12,867' T/ 13,436' (569' @ 142.3 '/hr.) WOB: 40-50K, RPM: 75, GPM: 675, SPP: 4750, DIFF: 600-1000, TQ: 13-16K.;Service rig.;Drill 7-7/8" lateral F/ 13,436' T/ 14,881' (1,445' @ 160.5 '/hr.) WOB: 40-50K, RPM: 75, GPM: 675, SPP: 4750, DIFF: 600-1000, TQ: 13-16K.;Attempt to wash to bottom after slide. Perform clean up cycle 650 gpm 75 rpm (1x bottoms up);Drill 7-7/8" lateral F/ 14,881' T/ 15,042' (161' @ 80.5'/hr.) WOB: 40-50K, RPM: 75, GPM: 650, SPP: 4750, DIFF: 600-1000, TQ: 13-17K.;Mud line broke from rig floor to sub (POOH 5 stands DP and repair)</p> <p>ACTIVITY PLANNED: Repair mudline. TIH 5 stands. Drill 7-7/8" lateral towards TD.</p>   |  |                |          |    |       |

WELL: UL OG EAST J 1219-27 4310H

|             |  |   |                |          |    |       |
|-------------|--|---|----------------|----------|----|-------|
| Feb 13 2025 | MD: 16,749   | TVD: 7,992  | FOOTAGE: 1,707 | MW: 10.4 | LB | PTD:  |
|             | RIG SUPERVISOR:  | Michael BAMA LeMaire / Mike Guinn   |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:  | Drilling 7-7/8" lateral @ 16,749'.  |                |          |    |       |
|             | Finish changing out blown mud line vibrator hose.;Circulate bottoms up @ 14,375' (GPM: 650, RPM: 70-75, reciprocating pipe).;Wash and ream F/ 14,375' T/ 15,042' (could not slack off on elevators);Circulate bottoms up @ 15,042' (GPM: 650, RPM: 70-75, reciprocating pipe).;Service rig.;Drill 7-7/8" lateral F/ 15,042' T/ 16,749' (1,707' @ 100.4 '/hr.) WOB: 40-50K, RPM: 75, GPM: 660, SPP: 5100, DIFF: 600-1000, TQ: 14-19K.   |   |                |          |    |       |
|             | ACTIVITY PLANNED:  | Drill 7-7/8" lateral towards TD.  |                |          |    |       |
| Feb 14 2025 | MD: 19,160   | TVD: 7,990  | FOOTAGE: 2,411 | MW: 10.5 | LB | PTD:  |
|             | RIG SUPERVISOR:  | Michael BAMA LeMaire / Mike Guinn   |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:  | Drilling 7-7/8" lateral @ 19,160'.  |                |          |    |       |
|             | Drill 7-7/8" lateral F/ 16,749' T/ 17,591' (842' @ 88.6 '/hr.) WOB: 40-50K, RPM: 75, GPM: 630-660, SPP: 4900-5100, DIFF: 600-1000, TQ: 16-21K.;Service rig.;Drill 7-7/8" lateral F/ 17,591' T/ 19,160' (1,569' @ 112 '/hr.) WOB: 40-50K, RPM: 75, GPM: 630-660, SPP: 4900-5100, DIFF: 600-1000, TQ: 16-21K.  |   |                |          |    |       |
|             | ACTIVITY PLANNED:  | Drill 7-7/8" lateral to TD. Circulate hole clean. TOOH to run 5.5" casing.  |                |          |    |       |
| Feb 15 2025 | MD: 20,114   | TVD: 7,997  | FOOTAGE: 954   | MW: 10.5 | LB | PTD:  |
|             | RIG SUPERVISOR:  | Michael BAMA LeMaire / Mike Guinn   |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:  | Rigging up casing crew.   |                |          |    |       |
|             | Drill 7-7/8" lateral F/ 19,160' T/ 20,114' (954' @ 112.3 '/hr.) WOB: 40-50K, RPM: 75, GPM: 610-625, SPP: 5150, DIFF: 600-1000, TQ: 18-22K.;Circulate 3 high vis sweeps and diesel sweep. Circulate @ TD. Circulate until shakers clean. Reciprocate pipe @ 90 RPM, 650 GPM. Flow check<br>**** Notify TRRC for upcoming 5.5" casing run and cement job 02/14/25 @ 15:06 hrs. - Operator: Becky ****;TOOH F/ 20,114' T/ BHA (Pull 10stds wet and pump slug);Pull MWD, drain motor, break bit & lay out motor.;Clean floor & install trip nipple;R/U casing crew & torque turn. PJSM with all crews. Dry run landing joint.  |   |                |          |    |       |
|             | ACTIVITY PLANNED:  | Make up shoe track and run 5.5" casing & land. Set pack-off. Nipple down. Walk rig to the UL OG East L 1219-27 #4212H         |                |          |    |       |
| Feb 16 2025 | MD: 20,114   | TVD: 7,997  | FOOTAGE:       | MW: 10.6 | LB | PTD:  |
|             | RIG SUPERVISOR:  | Michael BAMA LeMaire / Mike Guinn   |                |          |    | PBTD: |
|             | PRESENT OPERATIONS:  | Rig released / walking to 4212H<br>*** Rig released 02/16/2025 @ 03:30 hrs. ***   |                |          |    |       |
|             | Finish rigging up Byrd casing crew, torque tun, and thread rep. M/U 5.5" production casing shoe trac, marker joint, and toe sleeves. Check floats. Test good.;RIH w/ 5.5" 20.0# VARN P110 HCRY F/ surface T/ 20,099';Rig down casing crew and rig up cement head and iron.;Burst air lock @ 1,400 psi, Fill Void, Circulate 1.5 x casing capacity.;Rig down cement head & iron. L/D landing joint, casing bails & elevators;Set pack-off & test to 5000psi and laydown running tool;Nipple down BOP, P/U BOP Mandrel, Remove clamp & lift stack. Prep to walk rig to UL OG East L 1219-27 #4212H.  |   |                |          |    |       |
|             | *** Rig released 02/16/2025 @ 03:30 hrs. ***;Cement Off-Line as follows: Test lines to 7,000 psi. Pump 10 bbls freshwater spacer, Lead: 585 sks (267 bbls) of 11.6 ppg, 2.65 yield of Propetro Pro eco C Plus, Tail: 1315 sks (497 bbls) of 12.5 ppg, 2.12 yield of Propetro Pro-Value C Plus Cement. Drop plug & displace with 10 bbls of Sugar water + 435 bbls of treated FW = 445 bbls total displacement. Full returns throughout the entire cement job. FCP @ 5 bpm 2,100 psi. Bump Plug @ 10:35 hrs. w/ 3,100 psi. Floats Held. Bled back 4.5 bbls. Rig down cementers. 0 bbls of lead cement to surface. Estimated top of lead Cement @ 862'. Estimated top of tail cement 7,167'. |   |                |          |    |       |
|             | ACTIVITY PLANNED:  | Walk to the OG East L 1219-27 # 4212H. Nipple up & test BOP. P/U BHA & TIH. Drill out shoe track. Drill 7-7/8" curve section. |                |          |    |       |