

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. Ulterra 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'				
	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 & 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 & Circulate hole clean. Pump slug.					
	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 & clean rig floor.;PJSM, Rig up Byrd casing crew & CRT.;Make up Shoe Track. Test Floats. Run 9-5/8" casing F/0' - T/3,300' (40# J-55 & HCL-80 BTC, L-80 Top - 5,452', DV-Tool / Packer Top - 3,907')					
	ACTIVITY PLANNED:	Run 9 5/8" casing & land. Circulate and rig down casing crew. Rig up cementers & pump 2 stage cement job. Set pack-off. P/u up BHA #3 curve assembly & TIH.				
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'				
	Run 9 5/8" 40# J-55 & 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 & 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 & 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 & 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 & flush stack & flow line, back out landing joint & L/D;Set pack-off & test to 5,000psi (good test). Retrieve running tool & L/D;Test casing above DV-Tool to 1500psi for 30 minutes (good test);PU/MU 7 7/8" Curve BHA & test MWD tool;Pick up 30 joints DP off of pipe racks;TIH T/3,873';Drill out 9 5/8" DVT & 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) *** 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					
	*** KOP 7,490' ***					
	ACTIVITY PLANNED:	Drill 7 7/8" curve & land. POOH & L/D curve assembly. P/U 7 7/8" lateral assembly & TIH. Drill 7 7/8" lateral towards TD				
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'				
	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					
	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'.					
	ACTIVITY PLANNED:	Trip out of hole & lay down 7-7/8" curve assembly. Pick up 7-7/8 lateral assembly & trip in hole. Drill 7-7/8" lateral section towards TD				
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'				
	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.					
	ACTIVITY PLANNED:	Drill 7-7/8" lateral towards TD.				
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.				
	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)					
	ACTIVITY PLANNED:	Repair mudline. TIH 5 stands. Drill 7-7/8" lateral towards TD.				

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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. TOO H 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 ***** 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 *** 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.				