



Enduring Resources - Drilling Chronology

Well Name: N ESCAVADA UNIT 2207-16B WSW

Report # 10.0, Report Date: 10/3/2018

API/UWI 30-043-00000	Surface Legal Location NW/4, NE/4, Section 16, Twp 22N, Rng 0...	Field Name	License # WR-810	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB Elevation (ft) 6,931.00	KB-Tubing Head Distance (ft)	Spud Date 9/20/2018 09:00	Rig Release Date	PBTD (All) (ftKB)	Total Depth All (TVD) (ftKB)

Jobs

Objective
Drill & complete vertical Entrada well that will be co-located with a storage pond & recycling facility.

Rigs

Contractor MoTe	Rig Number	Rig Start Date 9/20/2018	Rig Release Date 9/21/2018	Rig Supervisor Mark Johnston, Drilling Superintendent
Contractor Aztec	Rig Number 920	Rig Start Date 9/28/2018	Rig Release Date 10/4/2018	Rig Supervisor Mark Johnston, Drilling Superintendent

Time Log

Start Date	End Date	Dur (hr)	Cum Time Log (days)	End Depth (ftKB)	Code 1	Code 2	Com
9/20/2018 08:15	9/20/2018 08:30	0.25	0.01	14.0	21	Safety Meeting	PJSM
9/20/2018 08:30	9/20/2018 08:45	0.25	0.02	14.0	1	RIGUP & TEARDOWN	Dig sump, (Mob equipment, RU rig & closed-loop equipment on 9/19).
9/20/2018 08:45	9/20/2018 09:00	0.25	0.03	14.0	1	RIGUP & TEARDOWN	Mix mud.
9/20/2018 09:00	9/20/2018 09:15	0.25	0.04	51.0	2	DRILL ACTUAL	Drill 12 1/4" PDC w/ mud to 37'.
9/20/2018 09:15	9/20/2018 09:30	0.25	0.05	51.0	5	COND MUD & CIRC	Mix LCM & circulate.
9/20/2018 09:30	9/20/2018 10:45	1.25	0.10	191.0	2	DRILL ACTUAL	Drill 12 1/4" PDC w/ mud f/ 37' to 177'.
9/20/2018 10:45	9/20/2018 11:00	0.25	0.11	191.0	10	DEVIATION SURVEY	Survey deviation @ 177', 0.4 degrees.
9/20/2018 11:00	9/20/2018 12:00	1.00	0.16	251.0	2	DRILL ACTUAL	Drill 12 1/4" PDC w/ mud f/ 177' to 237'.
9/20/2018 12:00	9/20/2018 12:30	0.50	0.18	251.0	5	COND MUD & CIRC	Pull up, wait f/ fresh water.
9/20/2018 12:30	9/20/2018 13:15	0.75	0.21	393.0	2	DRILL ACTUAL	Drill 12 1/4" PDC w/ mud f/ 177' to TD @ 379'.
9/20/2018 13:15	9/20/2018 13:30	0.25	0.22	393.0	10	DEVIATION SURVEY	Survey deviation @ 379', 0.7 degrees.
9/20/2018 13:30	9/20/2018 14:15	0.75	0.25	393.0	6	TRIPS	TOOH w/ DP & BHA, PU 17 1/2" hole opener.
9/20/2018 14:15	9/20/2018 18:15	4.00	0.42	393.0	2	DRILL ACTUAL	Open up 12 1/4" hole to 17 1/2" w/ mud to 379'.
9/20/2018 18:15	9/20/2018 18:45	0.50	0.44	393.0	6	TRIPS	Short trip, SDFN.
9/21/2018 07:15	9/21/2018 07:30	0.25	0.45	393.0	21	SAFETY MTG	PJSM
9/21/2018 07:30	9/21/2018 08:00	0.50	0.47	393.0	5	COND MUD & CIRC	TIH w/ 17 1/2" hole opener & circulate
9/21/2018 08:00	9/21/2018 09:45	1.75	0.54	393.0	6	TRIPS	TOOH w/ DP & hole opener
9/21/2018 09:45	9/21/2018 10:30	0.75	0.57	393.0	1	RIGUP & TEARDOWN	RD rig, RU casing rig & RU Casing crew
9/21/2018 10:30	9/21/2018 12:15	1.75	0.65	393.0	12	RUN CASING & CEMENT	RU & run 9 jts 13 3/8" 54.5# J-55 Buttress T&C csg, set @ 373.69', float collar @ 330.75' (23.28' SJ)
9/21/2018 12:15	9/21/2018 15:15	3.00	0.77	393.0	1	RIGUP & TEARDOWN	Circulate casing, RD Casing crew, RD Rig & closed-loop equipment & RU cementers
9/21/2018 15:15	9/21/2018 16:45	1.50	0.83	393.0	12	RUN CASING & CEMENT	PJSM, test lines, pump 20 bbls FW spacer & 90 bbls Type G cmt (440 sxs) @ 15.8 PPG, drop plug & disp w/ 51.1 bbls H2O, bump plug @ 160 psi, circ 40 bbls good cmt to surface
9/21/2018 16:45	9/21/2018 17:45	1.00	0.88	393.0	13	WAIT ON CEMENT	Check float, float held, RD cementers, move off
9/21/2018 17:45	9/21/2018 19:00	1.25	0.93	393.0	1	RIGUP & TEARDOWN	Mob equipment to Rodeo Unit
9/27/2018 07:00	9/27/2018 15:00	8.00	1.26	393.0	1	RIGUP & TEARDOWN	Rig Up HB Rental Camp
9/28/2018 06:00	9/28/2018 07:00	1.00	1.30	393.0	1	RIGUP & TEARDOWN	Wait on Day Light



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Time Log							
Start Date	End Date	Dur (hr)	Cum Time Log (days)	End Depth (ftKB)	Code 1	Code 2	Com
9/28/2018 07:00	9/28/2018 07:15	0.25	2.27	393.0	21	OPEN	Safety Meeting: Co man, Aztec Pusher and Crews, Triple S Truck Pusher and Crew, CNJ Solids Control Crew
9/28/2018 07:00	9/28/2018 07:15	0.25	1.31	393.0	21	OPEN	Held Safety Meeting With Coman, Toolpusher and Crews, Triple S Trucking, CNJ Solids Control and Trucking
9/28/2018 07:15	9/28/2018 18:00	10.75	2.72	393.0	1	RIGUP & TEARDOWN	Set In and Rig Up Rig
9/28/2018 07:15	9/28/2018 18:00	10.75	1.76	393.0	1	RIGUP & TEARDOWN	Set in Aztec 920 and Rig Up
9/28/2018 18:00	9/29/2018 00:00	6.00	2.97	393.0	14	NIPPLE UP B.O.P	NU BOPE
9/28/2018 18:00	9/29/2018 00:00	6.00	2.01	393.0	14	NIPPLE UP B.O.P	Nipple Up B.O.P'S
9/29/2018 00:00	9/29/2018 00:30	0.50	2.99	393.0	15	TEST B.O.P	Test 13-3/8" csg to 1,500 psi for 30 min (good test).
9/29/2018 00:00	9/29/2018 00:30	0.50	2.03	393.0	12	RUN CASING & CEMENT	Test 13-3/8" Casing to 1,500 psi for 30 Minutes (Good Test)
9/29/2018 00:30	9/29/2018 05:30	5.00	3.20	393.0	15	TEST B.O.P	Tested Choke Manifold, Tested Pipe Rams, iBOP, TIW (250 Low for 5 Minutes & 3,000 High for 10 Minutes). All Good Test, While Testing Blinds, Door Gasket Started Leaking. High Tech is on the Way to Change Door Gasket Seal.
9/29/2018 00:30	9/29/2018 05:30	5.00	2.24	393.0	15	TEST B.O.P	Tested Choke Manifold, Pipe Ram's, T.I.W., I BOP, 250 Low for 5 Minutes, 3,000 High for 10 Minutes (All Test Good), While Testing Blinds Door Gasket Leaked)
9/29/2018 05:30	9/29/2018 06:00	0.50	3.22	393.0	1	RIGUP & TEARDOWN	RU to drill Mouse Hole
9/29/2018 05:30	9/29/2018 06:00	0.50	2.26	393.0	22	OPEN	Rig Up to Drill Mouse Hole
9/29/2018 06:00	9/29/2018 07:00	1.00	3.26	393.0	1	RIGUP & TEARDOWN	drill mouse hole
9/29/2018 07:00	9/29/2018 08:30	1.50	3.32	393.0	1	RIGUP & TEARDOWN	NU rotating head & flowline
9/29/2018 08:30	9/29/2018 09:00	0.50	3.34	393.0	14	NIPPLE UP B.O.P	Change blind ram door gasket
9/29/2018 09:00	9/29/2018 10:00	1.00	3.39	376.0	15	TEST B.O.P	Continue BOPE test. Test Blind Rams (250 psi low, 3,000 psi high), Annular (250 psi low, 1,500 psi high). Low tests held 5 minutes, High tests held 10 minutes. All tests good.
9/29/2018 10:00	9/29/2018 10:30	0.50	3.41	376.0	15	TEST B.O.P	Perform Koomey draw down test. Test good.
9/29/2018 10:30	9/29/2018 11:30	1.00	3.45	376.0	6	TRIPS	PU 12-1/4" Baker But & TIH to 332'. Tag.
9/29/2018 11:30	9/29/2018 14:00	2.50	3.55	376.0	3	REAMING	Drill cement & float equipment from 332' to 376'.
9/29/2018 14:00	9/29/2018 15:00	1.00	3.59	376.0	10	DEVIATION SURVEY	Drop gyro survey.
9/29/2018 15:00	9/29/2018 16:00	1.00	3.64	376.0	6	TRIPS	TOH & LD 12-1/4" bit.
9/29/2018 16:00	9/29/2018 18:00	2.00	3.72	376.0	6	TRIPS	PU directional BHA #1 & 8-3/4" Baker T505. Scribe MWD, download. TIH.
9/29/2018 18:00	9/29/2018 20:30	2.50	3.82	376.0	9	CUT OFF DRILL LINE	Slip new drill line on drum
9/29/2018 20:30	9/30/2018 04:30	8.00	4.16	2,464.0	2	DRILL ACTUAL	Drill from 376' to 2,464', Spud Well at 20:30 Hrs on 9/29/2018, Rotary 40, W.O.B 20, GPM 600, TQ 7,000, OB TQ 2,600, PSI 1,850
9/30/2018 04:30	9/30/2018 05:00	0.50	4.18	2,464.0	7	LUBRICATE RIG	Rig service
9/30/2018 05:00	9/30/2018 05:30	0.50	4.20	2,590.0	2	DRILL ACTUAL	Drill from 2,464 to 2,590



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9/30/2018 05:30	9/30/2018 06:00	0.50	4.22	2,590.0	8	REPAIR RIG	Rig Repair Drop Drive Line and Clutch for Rotary Table (Bad Bearing)
9/30/2018 06:00	9/30/2018 06:30	0.50	4.24	2,590.0	8	REPAIR RIG	Repair Drop Clutch and Drive Line off Rotary Table
9/30/2018 06:30	9/30/2018 23:45	17.25	4.96	6,113.0	2	DRILL ACTUAL	Drill from 2,590 to 6,113 , W.O.B. 25-30, Rotary 40, TQ 11,000, Off Bottom TQ 3,250 , GPM 600, SPP 2,450
9/30/2018 23:45	10/1/2018 00:15	0.50	4.98	6,113.0	5	COND MUD & CIRC	Circulate Bottoms Up, Pump Slug
10/1/2018 00:15	10/1/2018 05:00	4.75	5.18	6,113.0	6	TRIPS	Trip Out of Hole Due to Low ROP
10/1/2018 05:00	10/1/2018 06:00	1.00	5.22	6,113.0	6	TRIPS	Break Baker Hughes T505F 8 3/4 Bit (bit was DBR) , Make Up Reed TK56 8 3/4 Bit
10/1/2018 06:00	10/1/2018 11:00	5.00	5.43	6,113.0	6	TRIPS	Trip in Hole to 6,050'. Wash at 1,338', 2,679', 3,052', 3,314'
10/1/2018 11:00	10/1/2018 11:45	0.75	5.46	6,113.0	3	REAMING	Wash and Ream from 6,050' to 6,113'
10/1/2018 11:45	10/2/2018 04:30	16.75	6.16	7,400.0	2	DRILL ACTUAL	Drill from 6,113' to 7,400' (TD) , WOB 30, Rotary 40, TQ 10,000, OBTQ 4,000, SIPP 2800, GPM 600, Top of Entrada 6,892', Base of Entrada 7,163',
10/2/2018 04:30	10/2/2018 05:30	1.00	6.20	7,400.0	5	COND MUD & CIRC	Circulate 40 BBL HI VIS Sweep Around
10/2/2018 05:30	10/2/2018 06:00	0.50	6.22	7,400.0	6	TRIPS	Pull 7 Stands
10/2/2018 06:00	10/2/2018 06:30	0.50	6.24	7,400.0	7	LUBRICATE RIG	Service Rig, Adjust Brakes
10/2/2018 06:30	10/2/2018 13:30	7.00	6.53	7,400.0	6	TRIPS	Pump Slug, TOH to directional BHA, LD directional tools
10/2/2018 13:30	10/2/2018 18:00	4.50	6.72	7,400.0	6	TRIPS	RU Schlumber WL, Tun Triple Combo from 7,400' to surface. RD SLB WL.
10/2/2018 18:00	10/2/2018 23:00	5.00	6.93	7,400.0	11	WIRELINE LOGS	PU reed bit, motor & reamer. TIH to TD. Hole was slick w/no tight spots
10/2/2018 23:00	10/3/2018 00:00	1.00	6.97	7,400.0	5	COND MUD & CIRC	Circulate 40 bbls hi vis sweep around. Pump slug
10/3/2018 00:00	10/3/2018 06:00	6.00	7.22	7,400.0	6	TRIPS	TOH & LD DP to 900'.
10/3/2018 06:00	10/3/2018 07:00	1.00	7.26	7,400.0	6	TRIPS	Lay Down Drill Pipe and BHA
10/3/2018 07:00	10/3/2018 09:00	2.00	7.34	7,400.0	12	RUN CASING & CEMENT	Rig Up San Juan Caing Crew and Polaris Torque Turn
10/3/2018 09:00	10/3/2018 16:30	7.50	7.66	7,400.0	12	RUN CASING & CEMENT	Held PJSM , Run 7" 26 # L-80 HC LTC: Shoe, Float Collar, 2 Joints, Float Collar, 174 Joints 7", Marker Joint. Ran 1 bow-spring centralizer per joint (2 per joint on bottom 3 jts) Shoe @ 7,390', Float Collar @ 7,388', Float Collar @ 7,303' (PBTD), Marker Joint @ 5,828'.
10/3/2018 16:30	10/3/2018 18:30	2.00	7.74	7,400.0	5	COND MUD & CIRC	Circulate and Condition
10/3/2018 18:30	10/4/2018 00:00	5.50	7.97	7,400.0	12	RUN CASING & CEMENT	Held PJSM Safety Meeting , Cement 7" Prouction as Follows: Pumped 80 BBL Tuned Spacer, Lead 184 BBL Econocem (12.3 ppg , Yield 1.97 , GPS 10.28, 525 SKS), Tail Extendacem 101 BBLS (13.3 ppg, Yield 1.36, GPS 6.01, 420 SX). Displace With 280 BBLS Water. Bumped Plug @ 2,225 psi, after bump 3,302 psi, Held 5 minutes, Bled Back 2 bbls, Floats Held , circulate 40 BBLS Good Cement Back To Surface, Top of Tail estimated @ 4,352'
10/4/2018 00:00	10/4/2018 00:30	0.50	7.99	7,400.0	1	RIGUP & TEARDOWN	Flush Stack and Mud Lines
10/4/2018 00:30	10/4/2018 02:00	1.50	8.05	7,400.0	14	NIPPLE UP B.O.P	Break Bolts on Stack, Pick Up Stack, Set Slips W/220 K on Slips , Make Rough Cut on 7" Casing, Lay Down Same.

WellView®

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10/4/2018 02:00	10/4/2018 06:00	4.00	8.22	7,400.0	1	RIGUP & TEARDOWN	Nipple Down BOPE, (Clean Pits While ND), Release Rig at 06:00 on 10/04/2018.

District I
1625 N. French Dr., Hobbs, NM 88240
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District II
811 S. First St., Artesia, NM 88210
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District III
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1220 S. St Francis Dr., Santa Fe, NM 87505
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 300682

CONDITIONS

Operator: NEW MEXICO ENERGY MINERALS & NATURAL RESOURCE 1220 S St Francis Dr Santa Fe , NM 87504	OGRID: 264235
	Action Number: 300682
	Action Type: [IM-SD] Well File Support Doc (ENG) (IM-AWF)

CONDITIONS

Created By	Condition	Condition Date
pgoetze	None	1/7/2024