

Daily Summary

API 300392669600	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-7W-34-K	NS Dist. (ft) 2305.0	NS Flag S	EW Dist. (ft) 2485.0	EW Flag W
Ground Elev (ft) 6182.00	Spud Date 6/11/2001	Rig Release Date 6/18/2001	Latitude (DMS) 36° 37' 0.6024" N	Longitude (DMS) 107° 33' 38.646" W			

Start	Ops This Rpt
6/24/2001	HELD SAFETY MEETING. RU SLICKLINE. RIH W/ 4" GAUGE RING. TAGGED @ 7255'. PBTD @ 7287'. 22' OF FILL. RD SLICKLINE.
6/26/2001	HELD SAFETY MEETING. RU SCHLUMBERGER. HELD 1500 # ON 4 1/2" CSG WHILE RUNNING CBL LOG FROM 7244' TO 1800'. TOC @ 2000'. RAN TDT LOG FROM 7244' TO 1800'. RAN GR/CCL FROM 7244' TO SURFACE. RD SCHLUMBERGER. INSTALLED FRAC VALVE. PRESSURE TESTED 4 1/2" CSG TO 4300 #. HELD OK. SWI.
7/3/2001	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7052' - 7064' W/ 1/2 SPF, 7072' - 7090' W/ 1/2 SPF, 7178' - 7190' W/ 1 SPF, 7207' - 7209' W/ 1 SPF, 7219' - 7221' W/ 1 SPF, 7227' - 7229' W/ 1 SPF, 7233' - 7235' W/ 1 SPF. A TOTAL OF 42 HOLES. RU HALLIBURTON PUMP TRUCK. BROKE WELL DOWN @ 5 BPM @ 2835 #. PUMPED 20 BBLs 2 % KCL WATER. RIH W/ 4 1/2" RBP W/ PRESSURE GAUGES UNDER RBP. SET RBP & GAUGES @ 7030'. TESTED RBP TO 4000 #. HELD OK. SWI. RD HALLIBURTON & BLUE JET.
7/5/2001	HELD SAFETY MEETING. MOVE IN DRILL AIR COMPRESSORS.
7/7/2001	HELD SAFETY MEETING. MIRU. OPENED UP WELL. CSG PRESSURE 0 #. ND FRAC VALVE - NU BOP AND TESTED TO 250 # & 5000 # BOTH PIPE AND BLIND RAMS. HELD OK. SWION.
7/8/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 0 #. RIH W/ ON & OFF TOOL ON 2 3/8" TBG. LATCHED ON TO RBP @ 7030'. POOH W/ PRESSURE BOMBS & RBP. SWION.
7/9/2001	Held safety mtg. RU frac valve & frac head. RU BJ Services frac unit. RU Protecnics. Pressure test lines to 4820#. monitor for 5 min. Leak off is as follows: 41# psi in 5 min. = 1%. Set and test pop-off @ 3930#. Start B/D, formation broke @ 2420#, 17.1 bpm. Start acid and 52 7/8" 1.3 rcn balls @ 8.5 bpm & 1723#. Flushed @ 19.5 bpm & 2602#, showed a lot of good breaks but did not ball-off. Max psi achieved = 3820#. RU Blue Jet wireline junk basket and lubricator and RIH and retrieve 33 balls. Re-test lines to 4700#. Set pop-off @ 3930#. Start step test @ 29.5 bpm & 3445#, step to 25.5 bpm & 3147#, step to 17 bpm & 2409#, step to 12 bpm @ 2034#. ISDP= 1580#, FG= .66 psi/ft. Leak-off is as follows: 5 min=1256#, 10 min=1112#, 15 min=1008#, 20 min=921#, 25 min=835#, 30 min=819# Start 30# x1 Spectra-G frac @ 42 bpm & 2969#, 257 bbl into pad, Start .5# @ 42.6 bpm & 3018#, Start 1# @ 43 bpm & 2796#, Start 2# @ 43 bpm & 2802#, Start 3# @ 43 bpm & 2720#, did not pump 5# sand due to high pressures, Flushed w/ 102 bbl @ 43 bpm. ISDP=1980#, 5 min=1721#, 10 min=1623# Tot sand = 90,300# 20/40 super LC, AV psi= 3300#, Av rate=43 bpm. RD service companys. Open up on adjustable choke set at 12. Starting psi = 1350# @ 8:50 pm. turn well over to L&R dry watch crew.
7/9/2001	BUILD FACILITIES. DOUBLE TANK 400 BBL TANK# 2072, HANOVER PUD SEPARATOR# 3561, NATCO 95 BBL PIT TANK #1053. COLOR GREEN.
7/10/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 100 #. RIH W/ 2 3/8" TBG TO 4500'. UNLOADED WELL. RIH TO 7237'. TAGGED SAND @ 7237'. RU DRILL AIR. CLEANED OUT FROM 7237' TO 7244' - PBTD. DAKOTA PERFS @ 7052' TO 7235'. CIRCULATED HOLE W/ DRILL AIR. PUH TO 7000'. SWION.
7/11/2001	HELD SAFETY MEETING. OPENED UP WELL. CSG PRESSURE 2000 #. RIH W/ 2 3/8" TBG. TAGGED @ 7244'. NO FILL PUH TO 7149'. TESTED THE DAKOTA THROUGH 1/2" CHOKE AND UP 2 3/8" TBG @ 7149'. WELL STABILIZED @ 650 #. 4290 MCFPD, 1 BOPD, 3 BWPD. TBG PRESSURE 650 #. 4 1/2" CSG PRESSURE 1150 #. DAKOTA PERFS @ 7052' TO 7235'. PBTD @ 7287'. TEST WITNESSED BY SAM McFADDEN AND NOE PARRA. RU PROTECHNICS. RAN SPECTRA SCAN LOG FROM 7287' TO 6800'. RAN COMPLETION PROFILE LOG FROM 7287' TO 6800'. RD PROTECHNICS. LANDED 226 JTS 2 3/8" TBG @ 7149' W/ SEAT NIPPLE & MULE SHOE. RU SAND LINE. RIH W/ 1.901" DRIFT TO SEAT NIPPLE. POOH W/ DRIFT. NDBOP - NUWH. SWI. RDMO
11/2/2001	Road rig to location. Safety mtg. Rig up. Bleed down csg. Kill tbg. ND tree. NU BOP's. Test BOP's to 250 psi / 5000 psi, OK. POOH w/ 80 jts 2 3/8", 4.7#, J-55, EUE production tbg. SION.
11/3/2001	Safety mtg. Bled down csg. Kill tbg. TOOH w 146 jts 2 3/8" tbg (total of 226 jts), SN & MS. RU BlueJet wireline and set CBP @ 5257'. NU Frac valve and "Y". Test csg to 4300 psi w/ Stinger. Perforate Point lookout and lower Menefee as follows w/ 3 1/8", 90 Deg PP w/ 12g 306T chgs @ .34" dia., Select fire guns. PLO @ 5144', 5142', 5140', 5138', 5136', 5134', 5132', 5084', 5082', 5080', 5074', 5072', 5070', 5068', 5066', 5050', 5048', 5046', 5044', 5042', 5040', 5038', 5036', 5034', 5032', 5030', 5028', 5026'- LMN @ 4998', 4996', 4994'. SION.
11/5/2001	Safety mtg. RU BJ Frac equipment. Frac Point Lookout and Lower Menefee from 4994' to 5144' as follows: Ball off, N2 65Q Foam, 4980 scf N2, placed 114,000# Brown 20/40 sand, 4 stgs -1# to 4# sand, 78.5 bbls flush (no overflush), Max treat press.- 2150 psi, avg treat press - 1280 psi, Avg treat rate 40 bpm, ISIP - 120 psi, calc bhp = 2300, 700 bbls fluid to recover. RU BlueJet. Set CBP @ 4960'. Perforate Menfee formation w/ 3 1/8", 90 deg PP w/ 12g 306T chgs; 34 holes total as follows: 4926', 4924', 4922', 4920', 4918', 4916', 4914', 4912', 4910', 4908', 4906', 4847', 4845', 4843', 4841', 4837', 4812', 4810', 4808', 4802', 4800', 4798', 4732', 4730', 4728', 4726', 4696', 4694', 4692', 4690', 4677', 4686', 4684', 4682'. RU BJ. Ball off w/ 40 balls and 1000 gals 15% HCL acid, max 3380 psi. Frac Menefee: Placed 75,000# 20/40 Brown sand, N2 65 Q foam, 4272 mscf N2, flush w/ 74.6 bbls (no overflush), ISIP - 1220 psi, 5 min - 980 psi, Avg treat rate 60 bpm, Max press - 3475 psi, avg treat press - 3175 psi, 794 bbls to recover. RD BJ and BlueJet. SION.