

Daily Summary

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| API 300392695400 | County RIO ARriba | State/Province NEW MEXICO | Surface Legal Location NMPM-27N-7W-12-B | NS Dist. (ft) 685.0 | NS Flag N | EW Dist. (ft) 1965.0 | EW Flag E |
| Ground Elev (ft) 6561.00 | Spud Date 4/27/2002 | Rig Release Date 5/4/2002 | Latitude (DMS) 36° 35' 38.6916" N | Longitude (DMS) 107° 31' 20.8704" W | | | |

| Start | Ops This Rpt |
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| 5/9/2002 | HELD SAFETY MEETING. RU SCHLUMBERGER. INSTALLED FRAC VALVE. PRESSURED UP CSG TO 1500 #. RAN CBL LOG FROM 7540' TO 1950'. TOP OF CEMENT @ 2200'. RAN TDT LOG FROM 7540' TO 2350'. RAN GR/CCL LOG FROM 7540' TO SURFACE. TESTED 4 1/2" CSG TO 4300 #. HELD OK. RD SCHLUMBERGER. |
| 5/16/2002 | HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 90 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7456' - 7468' W/ 1 SPF, 7488' - 7499' W/ 1 SPF, 7574' - 7590' W/ 1 SPF, 7608' - 7617' W/ 1 SPF, 7632' - 7635' W/ 1 SPF, 7654' - 7657' W/ 1 SPF. A TOTAL OF 60 HOLES. SWION. RD BLUE JET. |
| 5/17/2002 | HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE DAKOTA. TESTED LINES TO 4800 #. SET POP OFF @ 3880 #. BROKE DOWN FORMATION @ 7 BPM @ 2670 #. DROPPED 36 BALL SEALERS IN 1500 GALS OF 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 36 BALL SEALERS @ 22 BPM @ 2719 #. A TOTAL OF 72 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3750 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 72 BALL SEALERS. PUMPED PRE PAD @ 36 BPM @ 3738 #. STEPPED DOWN RATE TO 27 BPM @ 2900 #. STEPPED DOWN RATE TO 17 BPM @ 2150 #. STEPPED DOWN RATE TO 8 BPM @ 1775 #. ISIP 1400 #. 5 MIN 884 #. 10 MIN 641 #. 15 MIN 403 #. 20 MIN 250 #. 25 MIN 158 #. 30 MIN 88 #. FRAC'D THE DAKOTA W/ SLICKWATER, 80,000 # 20/40 BRADY SAND & 3137 BBLS FLUID. AVG RATE 62 BPM. AVG PRESSURE 3234 #. MAX PRESSURE 3733 #. MAX SAND CONS 1 # PER GAL. ISIP 1750 #. FRAC GRADIENT .62. RU BLUE JET. RIH W/ 4 1/2" CIBP PLUG. SET PLUG @ 5600'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE POINT LOOKOUT W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5430' - 5468' W/ 1/2 SPF, 5480' - 5490' W/ 1/2 SPF, 5506' - 5520' W/ 1/2 SPF, 5548' - 5556' W/ 1/2 SPF. A TOTAL OF 41 HOLES. BROKE DOWN POINT LOOKOUT FORMATION @ 50 BPM @ 2600 #. PUMPED A TOTAL OF 50 BBLS FLUID. RIH W/ BAKER PRESSURE GAUGES. SET PRESSURE GAUGES @ 5420'. SWI. RD BLUE JET. |
| 5/20/2002 | HELD SAFETY MEETING. RU BLUE JET. RIH W/ OVER SHOT ON WIRELINE. LATCHED ON TO PRESSURE GAUGES AND POOH W/ GAUGES. RD BLUE JET. |
| 5/21/2002 | HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE POINT LOOKOUT. TESTED LINES TO 4800 #. SET POP OFF @ 3880 #. DROPPED 24 BALL SEALERS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 26 BALL SEALERS @ 20 BPM @ 305 #. A TOTAL OF 50 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 2600 #. RU BLUE JET. RIH W/ JUNK BASKET. RETRIEVED 50 BALL SEALERS. PUMPED PRE PAD @ 41 BPM @ 1635 #. STEPPED DOWN RATE TO 36 BPM @ 1241 #. STEPPED DOWN RATE TO 28 BPM @ 704 #. STEPPED DOWN RATE TO 8 BPM @ 0 #. ISIP 0 #. 5 MIN 0 #. FRAC'D THE POINT LOOKOUT W/ 65 Q 25 # LINEAR FOAM, 80,340 # 20/40 BRADY SAND, 533,800 SCF N2 & 1110 BBLS FLUID. AVG RATE 45 BPM. AVG PRESSURE 1649 #. MAX PRESSURE 1739 #. MAX SAND CONS 2 # PER GAL. ISIP 103 #. FRAC GRADIENT .32. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET PLUG @ 5000'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE CLIFFHOUSE W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4872' - 4880' W/ 1/2 SPF, 4910' - 4938' W/ 1/2 SPF, 4948' - 4966' W/ 1/2 SPF. A TOTAL OF 30 HOLES. BROKE DOWN POINT LOOKOUT FORMATION @ 39 BPM @ 2550 #. PUMPED A TOTAL OF 50 BBLS FLUID. RIH W/ BAKER PRESSURE GAUGES. SET PRESSURE GAUGES @ 4862'. SWI. RD BLUE JET. |
| 5/24/2002 | HELD SAFETY MEETING. RU BLUE JET. RIH W/ OVER SHOT ON WIRELINE. LATCHED ON TO PRESSURE GAUGES AND POOH W/ GAUGES. RD BLUE JET. |
| 5/25/2002 | HELD SAFETY MEETING. RU B J SERVICES. FRAC'D THE CLIFFHOUSE. TESTED LINES TO 4800 #. SET POP OFF @ 3810 #. DROPPED 18 BALL SEALERS @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 18 BALL SEALERS @ 20 BPM @ 1088 #. A TOTAL OF 36 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 3700 #. SHUT DOWN FOR 1 HR. WAITED ON BIO BALLS. PUMPED PRE PAD @ 30 BPM @ 2360 #. STEPPED DOWN RATE TO 27 BPM @ 1915 #. STEPPED DOWN RATE TO 21 BPM @ 1404 #. STEPPED DOWN RATE TO 16 BPM @ 910 #. ISIP 200 #. 5 MIN 0 #. FRAC'D THE CLIFFHOUSE W/ 65 Q 25 # LINEAR FOAM, 71,100 # 20/40 BRADY SAND, 698,200 SCF N2 & 904 BBLS FLUID. AVG RATE 35 BPM. AVG PRESSURE 2350 #. MAX PRESSURE 2480 #. MAX SAND CONS 2 # PER GAL. ISIP 1625 #. FRAC GRADIENT .48. SWI. RD BJ SERVICES. |
| 6/6/2002 | HELD SAFETY MTG. SICP=525#. MI and perform LO/TO. RU unit and equipment. Kill csg. ND master valve. Set hanger w/ bull plug. NU BOP. RU wood group and test BOP: 250# low test, 5000# high test. Test was good. RU blooie lines and air package lines. Secure well and SDFN. |
| 6/7/2002 | Held safety mtg. SICP=175#. Blow well down. TIH picking up w/ 3 7/8" mill bit sub and 156jts 2 3/8" tbg. and tag fill @ 4943'. Clean out w/ 2 jts to plug @ 5000'. Circulate clean. Making light to medium sand and light water. POOH w/ 8 jts. Secure well and SDFN. |
| 6/10/2002 | Held saety mtg. SICP=475#. Bleed well down. TIH w/ 8 jts 2 3/8" tbg. and tag fill @ 4974'. Build air mist and clean out to and drill plug @ 5000'. Point look out making heavy sand and water. Circulate rest of day. Pull tbg, above perms. Secure well and SDFN. |