



B-32-25N-4W

JICARILLA 30 5

Convert to SWD

## Daily Summary

API/UWI 300392046000	County RIO ARriba	State/Province NEW MEXICO	Surface Legal Location NMPM-25N-4W-32-SE NW NE	N/S Dist. (ft) 800.0	N/S Ref. N	E/W Dist. (ft) 1850.0	E/W Ref. E
Ground Elevation (ft) 6855.00	Spud Date 12/29/2002	Rig Release Date	Latitude (DMS) 36° 21' 40.932" N	Longitude (DMS) 107° 16' 21.36" W			

Start Date	Ops This Rpt
2/11/2002 00:00	Road rig to location. Safety meeting. Spot rig an equipment, rig up. 0# csg. press. NDWH, NUBOP. RU BOP tester, test BOP. Test good. RU floor. Pick up 4.5" scraper an bit, an tbg. 2 3/8", RIH, tally in. to 4800'. Secure well SDFN
2/12/2002 00:00	Safety meeting, Csg. press. 0#. RIH with tbg an scraper to 5494'. POOH with tbg an scraper. RIH with tbg, open ended, to 6343'. RU BJ cement unit, spot three barrels of cement on top of plug, at 6349'. (180') RD cement unit. POOH with tbg. RIH with one stand an packer, set an test csg to 3500#. Csg would not test, would bled off at a 100# a min. Could not pump into it. RDBJ. POOH with tbg an packer. Secure well SDFN
2/13/2002 00:00	Safety meeting, Csg. press 0#. Unfreeze equipment. RIH with packer an tbg. to 5423'. Set an test below packer, tested okay, press up to 2000# held for 20 mins. , Test backside, press leak off, 120# in 20 mins. Release press, test csg Under packer. Found hole between 2916' an 2945'. Press would bled off at 100# in 5 mins. Test csg from 2916' to surface, tested okay Release packer an POOH with 5 stands. Secure well SDFN Tribal inspector , Brice Hammond call about job.
2/14/2002 00:00	Call tribal inspector, Brice Hammond. 8:00am. Told him about squeeze job, would not witness it, but send in sundry. Safety meeting, 0# csg. press. Finish POOH with tbg. an packer. RU wireline, RIH with perf gun. Shot 4 squeeze holes at 2930'. POOH with wireline, RD. Try to break down perfs with rig pump, could not. RIH with packer an tbg. set packer at 2604'. RU BJ cement pump, broke down perfs. Break point 2340#, inj. rate was 1.6BPM/1910#. STAGE 16 bbl. slurry, displace with 13.1 bbls. of water, press. down to 955#, shut down 20 mins, pump .5 bbl, press started at 510# then up to 910#. Shut down 30 mins. pump .5 bbl., press started at 545#, than up to 1500#, shut down 15 mins, press. 1500#. Shut down, rig down . Used 65 sacks of type 111 cement. Secure well SDFN
2/15/2002 00:00	Safety meeting. Tbg. press. 0#. Release packer an POOH with tbg. an packer. RIH with drill bit an tbg. tag cement at 2848'. RU pump an power swivel, est circulation. Drill out cement, fell thur at 2942'. Cement hard. Circulate hole clean. POOH with tbg. an bit. Test csg to 500#. Tested okay. Secure well SDFN.
2/18/2002 00:00	Safety meeting. Csg press. 0#. Ru press. truck. Press test csg to 3500#. Csg would not test to 3500#, would leak off 500# in first min. Then to 2000# in five mins then to 1900 # in fifteen . Try it several time same results. RD press. truck. RIH with packer to 2940'. Set an test below packer to 2000# tested okay. Release packer an PU to 2900'. set an test squeeze holes. Pressure test to 2000#, leak. Test back side of packer an csg. to 2000# held okay. Perf holes or csg hole still leaking. Release packer an POOH with tbg. an packer. RU wireline , RIH with perf gun, shot 4 squeeze holes at 2937'. POOH with perf gun, RD wireline. RU rig pump, break down perfs, break point 2250#, pump rate 1bbl. at 2000#. RD pump drain up. Secure well SDFN
2/19/2002 00:00	Safety meeting, 0# csg press. RIH with packer an tbg , set at 2574'. RU BJ cement pump. Est injection rate at 1bl. per min. at 1500#. , Stage cement , 18bbls , rate at 1bbl at 1348#. , start displacement, displace only 4 bbls. Press. up to 2800#. PU with unloader an reverse circulate 8 bbls of cement to pit. Release packer an PU hole 6 stands. Reset packer . Press back up on squeeze to 1500# Used 100 sacks of Type 111 neat cement . 4barrels went into squeeze, 6 in hole an 8 was circulated to pit. Shut well in with 1500# on csg. RDBJ Secure well SDFN.
2/20/2002 00:00	Safety meeting, 0# csg. press. Release packer, POOH with tbg. an packer. RIH with drill bit an tbg. Tag up on cement at 2574'. RU rig pump, est. circulation , start drilling out cement. Cement real hard. Drill out three joints of cement to 2668'. Circulate clean . Drain up, Secure well SDFN
2/21/2002 00:00	Safety meeting. csg. press. 0#, RIH with tbg. tag up at 2668'. est. circulation. Start drilling on cement, cement real hard. Drill 277' of cement. Fell thur at 2945'. Circulated clean. RU pump truck, test csg to 1000# for fifteen mins., then to 2000# for fifteen mins., then to 3500# for fifteen mins. held solid. RD pump truck. Blow down press. Shut well in.
2/22/2002 00:00	Safety meeting, Csg. press. 0#, RIH with tbg. to 5400'. circulate hole clean . POOH with tbg an bit. RU wireline unit. RIH with logging tool, run DCL from 5450'-4500'. POOH with logging tool. RIH with CIBP, set at 5426'. POOH with setting tool. RU pump , test plug to 3000#, tested okay. Blow down press. RIH with dump bailer, set 20' of cement on top of plug. POOH with bailer. RIH with perf gun, four runs , perf from 5306'-5326', 4 shots per foot. , 5278'-5298', 4 shots per foot, 5234'-5244', 4 shot per foot, 5176'-5182', 4 shots per foot, 5204'-5224', 4 shots per foot. total of 264 holes. RD wireline, RU rig pump, pump in, load hole three barrels, break point 2000#. / rate 1BPM at 1500# shut down pump, drain up. shut well in SDFN
2/25/2002 00:00	Safety meeting, Check csg press. Well on vacuum. Rig up pump truck. RU wireline unit RIH with down hole press. gauge, Set at mid perfs. Start step rate test. Started at 1/8 bbl. a min. , increase by 1/4 bbl a min. up to 2 bbls a min. Press started at 850# to 950 #. Pump 400 bbls. RD pump truck. Left gauge in hole one more hour. POOH with gauge. Shut well in.
2/26/2002 00:00	Safety meeting, Csg press. 100# Blow well down, RIH with tbg. POOH with tbg, lay down on trailer. 5460'. Shut well in. NDBOP, NU Frac valve. RDMO.
3/14/2002 00:00	Safety meeting, Csg press 0#, POOH with tbg, 3055'. RIH with packer an one stands, set packer. Press test csg to 3800#. Tested okay. Release packer, POOH with Packer. RIH with retrieving tool, an tbg. Latch an release plug. POOH with tbg an plug , lay down tbg. Rig down rig an equipment Move off.
3/15/2002 00:00	Road rig , MI, Spot in rig an equipment. Rig up. Test BOP. RIH with retrievable bridge plug an 97 joints of tbg. Set plug at 3056'. Pull one joint. Secure well SDFN

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Ground Elevation (ft) 6855.00	Spud Date 2/1/1972	Rig Release Date	Latitude (DMS) 36° 21' 40.932" N	Longitude (DMS) 107° 16' 21.36" W			

Start Date	Ops This Rpt
3/16/2002 00:00	JICARILL 30 # 5  FRAC THE POINT LOOKOUT  HELD SAFETY MEETING. RU BJ SERVICES. FRAC THE POINT LOOKOUT. TESTED LINES TO 4800 #. SET POP OFF @ 3450 #. PUMPED PRE PAD @ 41 BPM @ 3150 #. STEPPED DOWN RATE TO 33 BPM @ 2436 #. STEPPED DOWN RATE TO 22 BPM @ 1660 #. STEPPED DOWN RATE TO 11 BPM @ 1100 #. ISIP 1000 #. 5 MIN. 731 #. 10 MIN. 670 #. 15 MIN. 625 #. FRAC THE POINT LOOKOUT W/ SLICKWATER, 47,180 # 20/40 BRADY SAND. 1600 BBLS FLUID. AVG RATE 52 BPM. AVG PRESSURE 1932 #. MAX PRESSURE 3151 #. MAX SAND CONS 1.25 # PER GAL. ISIP 1200 #. FRAC GRADIENT .60. SWI. RD BJ SERVICE
3/17/2002 00:00	Safety meeting, RU pump truck, Run step rate test, Pump 10bbls, broke at 1220#. Use 262 bbls. of water. Started at .5bbbs/1240#, .7bbbs/1338#, .9bbbs/1283#, 1.1bbbs/1338#, 1.3bbbs / 1382#, 1.5bbbs/1307#, 1.7bbbs/1317# at about 32mins each. Also had a down hole press gauge set at mid perms. RD pump an wireline unit. Shut well in.
3/18/2002 00:00	Safety meeting, RU wireline unit, RIH with composite plug set at 5100'. POOH with setting tool. RU pump truck, tested csg an plug to 3000#, tested okay, RD pump truck. RIH with perf gun , Perf as followed: 4672'-4678' , 4SPF (24) 4680'- 4696', (64), 4752'-4256' (24) 4772'-4782' (40) 4816'-4826' (40) 4912'-4916' (16) 4930'-4940 (40) 4996'-5000'(16) 5008'-5028' (80) Made 7 gun runs. Total shots 456. RD wirelineunit Shut we in.
4/15/2002 00:00	Safety mtg. Road rig to location from Valencia canyon #37. MIRU. Check pressures, no pressure. ND Frac valve. NU and test BOP's to 250/2000 psi, both pipe and blind rams, OK (with A+ test equipment). WO truck 2 hours to spot float with 202 jts 2 3/8", 4.7#, J-55, EUE work string. PU new 3 7/8" bit and 109 jts tbg to 3414'. POH with bit and PU 4 1/2" csg scraper. SIWON.
4/16/2002 00:00	Safety mtg. Check well pressures, no pressure. RIH to 5091' with csg scraper. Fall protection device in derrick failed. LD mast. Replace FP device. RU mast (lost 2 hours). POOH with csg scraper. TIH with 3 7/8" bit, x/o, and tbg and tagged CBP @ 5100'. RU swivel. Circulate hole with 40 bbls 2% KCL water and DO CBP (1/2 hour). Set back swivel. RIH and tag fill @ 5248'. POOH to 5077'. SIWON.
4/17/2002 00:00	Safety mtg with BJ Services N2 crew. PU swivel. Attempt to CO from 5263'. Rig pit we were flowing to was to small and broached causing 4 1/2 bbls of water to spill onto location. Made out spill report. Called Eric Fransen. Ordered flow back tank from Dawn for first thing in morning. POOH to 5077'. SIWON.
4/18/2002 00:00	Safety mtg. Bled down well, had very litte pressure. RU swab tools and check for fluid level @ 300'. RD swab tools. POH to 2600'. Lay flow lines to flow back tank. Circ clean @ 2600'. Stage in to 5232'. PU swivel CO well to PBTD @ 5406'. Blow well clean. Pump 3 bbls foam sweep. SD N2. Load hole with 85 bbls 2% KCL water but could not get circulation. POOH to 5107'. Wait 1 hour. TIH. No fill above PBTD @ 5406'. POOH and LD workstring. RD swivel. SIWON.
4/19/2002 00:00	Safety mtg. Spot new tbg float. Check pressures, no pressure. RIH with 4 1/2" Baker AD-1 pkr w/ TX-70 coating (no tail pipe) and PU and tally 146 jts 2 3/8", J-55, 4.7#, IPC (w/ TX-70), EUE tbg. RU Unichem and pump 23 gallons Technihib 606 and 5 bbls water into csg annulas. Set AD-1 pkr @ 4620'. ND BOP's. Land tbg hgr in WH with 10,000 # of tension on pkr. Packer shear rings set @ 35-45,000#. NU WH. Load csg with 5 bbls 2 % KCL water (returns). Pressure up csg to 400 psi, held. RU chart recorder. Test csg for 30 mins to 400 psi, lost less than 10 %, OK. Unable to rig down due to gusting winds. SDON.
4/22/2002 00:00	Safety mtg. Rig down and move rig to Jicarilla Apache 22-12A. FRR.