

Initial Completion, 03/12/2005 00:00

API/Bottom UWI	County	State/Province	Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
300392786000	RIO ARRIBA	NEW MEXICO	NMPM-29N-05W-33-P	660.00	S	300.00	E
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,614.00	36° 40' 36.012" N	107° 21' 15.156" W	01/29/2005	03/09/2005			

03/12/2005 06:00 - 03/12/2005 00:00

Last 24hr Summary

HELD PRE-JOB SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP CSG TO 1500 #. RAN CBL LOG FROM 8045' TO 3100'. TOP OF CEMENT @ 3360'. RAN TDT LOG FROM 8045' TO 2700'. RAN GR/CCL LOG FROM 8045' TO SURFACE. RD SCHLUMBERGER.

04/09/2005 11:00 - 04/09/2005 14:00

Last 24hr Summary

HELD PRE-JOB SAFETY MEETING. RU ISOLATION TOOL. TESTED 4 1/2" CSG TO 6700 # FOR 30 MIN. HELD OK. RD ISOLATION TOOL. SWI.

04/15/2005 14:00 - 04/15/2005 14:00

Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the Dakota. RIH W/ 3 1/8" 120 degree pp Select fire perforating gun. Perforated from 7834' - 7837' W/ 4 SPF, 7861' - 7864' W/ 4 SPF, 7897' - 7912' W/ 4 SPF. A total of 84 holes @ 0.34 DIA. RD Computalog.

04/16/2005 06:00 - 04/16/2005 16:00

Last 24hr Summary

Held safety meeting. RU Halliburton & Isolation tool. Fac'd the Dakota. Tested lines to 7000 #. Set pop off @ 6000 #. Broke down formation @ 5 bpm @ 2179 #. Pump pre pad @ 45 bpm @ 3435 #. Stepped down rate to 40 bpm @ 2793 #. Stepped down rate to 30 bpm @ 2433 #. Stepped down rate to 20 bpm @ 2225 #. Stepped down rate to 10 bpm @ 1890 #. ISIP 1574 #. 5 min 536 #. 10 min 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 1116 #. Frac'd the Dakota w/slickwater @ 1.25 g/mg FR, 35,000 # 20/40 Carbolite sand & 3498 bbls fluid. Avg rate 55 bpm. Avg pressure 3780 #. Max pressure 3995 #. Max sand cons .40 # per gal. ISIP 2667 #. Frac gradient .64. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 6006'. Tested plug to 4800 #. Held ok. Perforated the Mesaverde w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5396' - 5398' w/ 1/2 spf, 5408' - 5414' w/ 1/2 spf, 5472' - 5476' w/ 1/2 spf, 5734' - 5742' w/ 1/2 spf, 5760' - 5772' w/ 1/2 spf, 5794' - 5802' w/ 1/2 spf, 5850' - 5858' w/ 1/2 spf, 5890' - 5896' w/ 1/2 spf. A total of 38 holes w/ 0.34 dia. RD Computalog. RU Halliburton & Isolation tool. Frac'd the Mesaverde. Tested lines to 7000 #. Set pop off @ 6000 #. Broke down formation @ 5 bpm @ 1338 #. Pumped pre pad @ 30 bpm @ 1254 #. Stepped down rate to 25 bpm @ 870 #. Stepped down rate to 20 bpm @ 459 #. Stepped down rate to 15 bpm @ 109 #. Stepped down rate to 10 bpm @ 0 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 0 #. Frac'd the Mesaverde w/ 60 Q slick foam w/ 1 g/mg FR, 200,000 # 20/40 Brady sand, Treated the last 25% of proppant volume with Sandwedge for proppant flowback control, 2,851,735 SCF N2 & 2214 bbls fluid. Avg rate 65 bpm. Avg pressure 3364 #. Max pressure 3782 #. Max sand cons 1.50 # per gal. ISIP 2270 #. Frac gradient .44. SWI. RD Halliburton & Isolation tool. Started flowback.

05/18/2005 07:15 - 05/18/2005 17:30

Last 24hr Summary

SICP- 1050 Psi

Bradenhead- 0 Psi

Hold PJSA meeting with crew. Talked about conducting safe rig move, rig up operation. Talked about hazards of planned operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Warm up, Key rig #11. Road rig to S.J. 29-5 #5F location. Spot rig on wellsite. Start rigging up unit and all associated equipment. Conduct rig inspection. Flowback well thru 1/2" choke to reduce well pressure. Kill well with 20 bbls of 2% kcl water. Installed tubing hanger with BPV. Secured lockdown pins. Nipple down Frac valve, spool assembly. Install BOP assembly. Pressure test BOP blind and pipe rams with a low (250 Psi- 10 min.) and a high (2,000 Psi- 30 min.) test. Tests were successful. Rig up floor assembly. Rig up blooie line tee onto BOP assembly. Rig up Blooie line assembly and set concrete anchors with Foutz & Bursum crew. Secured lease. Shutdown operations for the day.

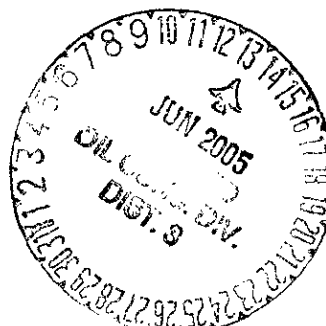
05/19/2005 07:00 - 05/19/2005 17:45

Last 24hr Summary

SICP- 1050 Psi

Bradenhead- 0 Psi

Hold PJSA meeting with crew. Talked about conducting safe job operations. Talked about hazards of planned operations and how to avoid those hazards. Outlined safety topics related to planned operations. Flowback well thru 1/2" choke assembly to reduce pressure. Tally 1st row of tubing on trailer. Kill well with 30 bbls of 2% kcl water. Remove tubing hanger assembly. Nipple up BHA assembly. Install new stripping rubber. Start into well with 1- .92" x 2 3/8" Mule shoe, 1- .85" x 1.81" I.D. F-Nipple with Baker plug, 2 3/8" tubing tallied from tubing trailer. Well unloading kill fluid while tripping into well. Tagged fill or bridge at 5,640' (360' on bridge plug). Rig up air unit to tubing. Pressure test air lines to 1,400 Psi. Tested good. Start air unit at 1,200 CFM with 5 BPH foam/mist. Well unloaded light fluid then made medium sand, fluid returns. Fill was not a bridge. Cleaned out to 5,867'. Continued with air until returns were clean and reduced. Shutdown air unit. Rig down off tubing. Pulled 2 3/8" tubing above Mesa Verde perms to 5,380'. Installed TIW valve onto tubing, closed pipe rams. Secured lease. Shutdown operations for the day.



05/20/2005 07:00 - 05/20/2005 17:45

Last 24hr Summary

SICP- 650 Psi
Bradenhead- 0 Psi

Crew held PJSA meeting. Talked about conducting safe job operations. Talked about hazards of planned operations and how to avoid those hazards. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Rig up air to tubing to unload well. Start air unit at 1,200 CFM with 5 BPH foam/mist. Pressured up to 1,250 Psi on air unit. Pump 10 bbls of 2% kcl water down tubing to reduce surface pressure. Restart air unit at 1,200 CFM with 3 BPH foam/mist. Unable to establish good circulation rate thru tubing. Pressuring up to pop-off limit on air unit. Pull out of well with 10 stands of tubing. Retry air/mist. Still unable to establish good circulation rate thru tubing. Pump thru plug in F-Nipple assembly may have some blockage. Trip 2 3/8" tubing out of the well. Pulled pump thru plug from F-Nipple assembly. It had a piece of a metal shaving, possibly from the tubing, lodged in it. It was lodged in the check assembly preventing it from operating correctly. Nipple up BHA, trip 2 3/8" tubing the into well. Tubing at 5,207' rig up air unit to tubing to unload fluid from well. Start air unit at 1,200 CFM with 5 BPH foam/mist. Unloaded well fluid. Shutdown air unit. Continue into well with 2 3/8" tubing, tagged fill at 5,865'. Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 6,000'. Well unloaded about 10 bbls of fluid then made light Mesa Verde frac sand and fluid. Continued with air/mist until returns were clean. Shutdown air unit. Trip tubing above Mesa Verde perfs to 5,365'. Install TIW valve, close and lock pipe rams. Secured well and lease. Shutdown operations for the day.

05/23/2005 07:00 - 05/23/2005 16:30

Last 24hr Summary

SICP- 580 Psi

Hold PJSA meeting with crew. Talked about conducting safe job operations. Outlined general safety topics related to planned operations. Blowdown well into flowback pit. Trip in with 2 3/8" tubing to tag fill. Tagged fill at 5,996' (5' of fill). Rig up and start air at 1,200 CFM with 3 BPH foam/mist. Cleaned out to 6,001'. Well unloaded light fluid and light sand. Continued with air until returns were clean. Shutdown air unit. Trip 2 3/8" tubing to 5,176' to test Overall Mesa Verde zone. Kill tubing with 4 bbls of 2% kcl water. Remove string float, install TIW valve and swabbing tee. Rig up flowback line off of tubing with a new 1/2" choke installed. Rig up slickline unit and tools. Ran in with end of tubing tools. Tagged bridge plug at 6,001', end of tubing at 5,176'. Installed ProTechnics spinner survey logging tools onto slickline. Flow tested the Mesa Verde perfs (5,396'- 5,896') thru the spinner survey tools up the tubing to atmosphere thru a 1/2" choke at surface (Choke coefficient: 6.6). SICP Avg.- 490 Psi. FTP Avg.- 250 Psi. Mesa Verde spinner survey results will be verified by production engineer (Lucas Bazan). Finished testing, check tools to verify data was recorded. Set plug in F-Nipple. Rig down, release slickline unit and tools. Rig down flowback assembly. High winds in the area made it potentially hazardous to attempt to trip out of the well with tubing. Installed TIW valve, locked pipe rams. Secured lease. Shutdown operations for the day.

05/24/2005 07:00 - 05/24/2005 18:00

Last 24hr Summary

SICP- 580 Psi

Hold PJSA meeting with crew. Talked about conducting safe job operations. Outlined general safety topics related to planned operations. Blowdown well into flowback pit. Start tripping 2 3/8" tubing out of the well. Kill casing with 15 bbls of 2% kcl water to trip out last 10 stands. Out of well with tubing, nipple down BHA. Nipple up milling assembly. Install new stripping rubber. Start into well with 1- 3.875" O.D. x 2.68' Three Bladed Mill, 1- 2 3/8" x 1.81' Bit sub, 1- 2 3/8" x .90' string float, and 2 3/8" tubing from derrick. Tag fill at 5,999' (2' of fill on plug). Rig up air unit, start air at 1,200 CFM with 3 BPH foam/mist to unload well. Well made light fluid, light sand. Clean out to 6,001'. Continued with air until fluid returns were reduced. Shutdown air unit, trip 2 3/8" tubing to 5,646' to flow test overall Mesa Verde zone. Rig up flowback line. Installed new 1/2" choke into flowback line. Flow tested Mesa Verde zone (5,396'- 5,896') up tubing/casing annulus to atmosphere thru 1/2" choke. FCP Avg.- 300 Psi. (Choke coefficient: 6.6) Testing Indicated Overall Mesa Verde production at 1,980 MCFPD with 2 - Bbls water per day, 0- Bbls of Oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Testing completed, trip 2 3/8" tubing to bridge plug (6,001'). Rig up air unit, power swivel assembly. Start air at 1,200 CFM with 3 BPH foam/mist. Clean out to top of plug. Increased mist to 8 BPH to mill thru plug. Noticed a increase in blooie lines returns when plug was drilled, well also made heavy Dakota frac sand, and fluid with a trace of oil. Continued with air/mist until returns were reduced. Shutdown air unit. Trip in with tubing to 7,573'. Install TIW valve, close pipe rams. Secured lease. Shutdown operations for the day.

05/25/2005 07:00 - 05/25/2005 18:00

Last 24hr Summary

SICP- 580 Psi

Hold PJSA on location. Talked about conducting safe job operations. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip 2 3/8" tubing into well to tag fill. Tag fill at 7,960'. Rig up air unit, power swivel assembly. Start air at 1,200 CFM with 5 BPH foam/mist to unload well. Well unloaded light fluid, light Dakota sand. Cleaned out to 7,972'. Had to mill from 7,972' to 7,980'. Increased mist to 8 BPH while milling. Continued with air/mist until returns were cleaned. Did not mill or clean out past 7,980'. Shutdown air unit. Rig down air unit, power swivel assembly. Start tripping 2 3/8" tubing out of the well. Kill well with 15 bbls of 2% kcl water to trip out last 10 stands. Out of well with tubing, nipple down milling assembly. Nipple up BHA. Install new stripping rubber. Start into well with 1- .92' x 2 3/8" Mule shoe with expendable check, 1- .85' x 1.81" I.D. x 2 3/8" F-Nipple, 2 3/8" tubing from derrick, drifting per COPC policy. Well unloading kill fluid while tripping into well. Tubing at 3,375'. Had to lay down 24 joints (756') of tubing that would not drift due to rust, corrosion inside of tubing. Install TIW valve, close pipe rams. Secured lease. Shutdown operations for the day.

05/26/2005 09:00 - 05/26/2005 17:45

Last 24hr Summary

SICP- 570 Psi

Held PJSA on location. Talked about conducting safe job operations. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Continue tripping and drifting 2 3/8" tubing into well. Had to lay down and replace a total of 28 joints (883.21') of tubing that would not drift due to rust, corrosion inside of tubing. Continued into well with replacement 2 3/8" tubing, tallying and drifting per COPC policy. Tagged fill or bridge at 7,970'. Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 8,050'. Well made light fluid and light Dakota frac sand. Continued with air/mist until returns were cleaned. Shutdown air unit, rig down off tubing. Trip 2 3/8" tubing above Dakota perms to 7,727'. Installed tubing hanger with BPV. Killed casing with 20 bbls of 2% kcl water. Land tubing hanger into wellhead. Secured lockdown pins. WSI crew repaired leaking pipe ram hydraulic piston seals. Secured well and lease. Shutdown operations for the day.

05/27/2005 07:00 - 05/27/2005 17:45

Last 24hr Summary

SICP- 570 Psi

Crew held PJSA meeting on location. Talked about safe job operations. Outlined safety topics related to planned operations. Blowdown well. Kill casing with 15 bbls of 2% kcl water. Remove tubing hanger assembly. Trip tubing into well to tag fill. Tagged at 8,048' (2' of fill). Rig up to unload well. Start air unit at 1,200 CFM with 5 BPH foam/mist. Well unloaded light fluid, sand. Shutdown air unit. Trip 2 3/8" tubing to 7,727'. Kill tubing with 4 bbls of 2% kcl water, remove string float. Dropped ball to pump out check assembly. Install TIW valve. Rig up air to tubing. Pump off check with 6 bbls of 2% kcl behind ball, follow with air at 1,200 CFM with 5 BPH foam/mist. At 1,000 Psi, shutdown air unit. Test tubing for 15 minutes. Tested good. Resumed air/mist and pumped off check at 1,200 Psi surface. Continued with air/mist to clean up returns. Shutdown air, rig down off tubing. Rig up flowback line onto tubing with a 1/2" choke. Rig up slickline unit, tools. Ran slickline end of tubing tool to 8,050', end of tubing at 7,727'. Installed ProTechnics spinner log tool onto slickline. Flow tested the Dakota perms (7,834'- 7,912') thru the spinner tools up the tubing to atmosphere thru a 1/2" choke at surface (Choke coefficient: 6.6). SICP Avg.- 530 Psi. FTP Avg.- 60 Psi. Dakota spinner results will be verified by engineer (Lucas Bazan). Well was making about 15 gals. fluid per hour during the spinner test. Finish test, check tools to verify data was recorded. Rig down slickline unit, tools. Trip into well to tag fill. No fill made. Rig up air to unload well. Start air at 1,200 CFM with 5 BPH foam/mist. Well unloaded fluid, very light sand. Shutdown air unit. Trip tubing above Dakota perms to 7,727'. Installed TIW valve, closed and locked pipe rams. Secured lease. Shutdown operations for the day.

05/31/2005 07:00 - 05/31/2005 16:15

Last 24hr Summary

FINAL REPORT

SICP- 570 Psi

Held PJSA meeting on location with crew. Talked about conducting safe job operations. Talked about hazards of planned operations, and how to avoid those hazards. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip in with 2 3/8" tubing to tag fill. Tagged fill at 8,045' (5' of fill). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Well unloaded light fluid, sand. Cleaned out to 8,050'. Continued with air/mist until returns were cleaned. Shutdown air unit. Rig down off tubing. Laydown 7 joints of tubing to land. Install tubing hanger assembly with BPV. Land hanger into wellhead, lockdown pins secured. Tubing landed at 7,835.23' K.B. Top of 1.81" I.D. F-Nipple at 7,833.46' K.B. Nipple down BOP, nipple up wellhead. Wood Group tested seals, removed BPV from hanger. Let well flow up tubing while rigging down completion unit and equipment, well unloaded kill fluid. Shut well in. Location cleaned and secured. Operations completed. Dakota spinner log results have been verified by the production engineering group on 5-31-05. Dakota production results are as follows: 546- MCFPD, 7.5- Bbls water per day, 0- Bbls oil per day. Will move rig and equipment off location on 6-01-05. Will notify facilities supervisor of completion of services on 6-01-05.

05/31/2005 16:15 - 06/01/2005 16:15

Last 24hr Summary

06/01/2005 16:15 - 06/02/2005 16:15

Last 24hr Summary