

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____ 2005 AUG 9 AM 11 53

2. Name of Operator
ConocoPhillips Co.

3. Address P.O. Box 2197, WL3-6081 Houston Tx 77252 3.a Phone No. (Include area code) (832)486-2463

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface Sec 3 T29N R6W NWSW 2320FSL 875FWL
At top prod. interval reported below
At total depth

5. Lease Serial No.
NMSF078278

6. If Indian, Allottee or Tribe Name
NMMNM 78416A

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.
San Juan 29-6 Unit 29C

9. API Well No.
30-039-29466

10. Field and Pool, or Exploratory
Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area Sec 3 T29N R6W

12. County or Parish Rio Arriba 13. State NM

16. Date Completed ☐ D & A ☒ Ready to Prod.
08/02/2005

17. Elevations (DF, RKB, RT, GL)*
6469 GL

14. Date Spudded 04/09/2005 15. Date T.D. Reached 04/16/2005

18. Total Depth: MD 5932 TVD 19. Plug Back T.D.: MD 5926 TVD 20. Depth Bridge Plug Set: MD TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CBL; RST; GR/CCL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	233		150		0	
8.75	7 J-55	20	0	3636		600		0	
6.25	4.5 J-55	10.5	0	5929		265		2910	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	5609							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blanco Mesaverde	4423	5684	4423' - 4609	.34	33	Open
B)			5253' - 5684'	.34	34	Open
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4423' - 4609'	Frac'd w/70Q Clearfrac LT; 150,000# 16/30 Brady Sand; 1,031,300 SCF N2 & 839 bbls fluid.
5253' - 5684'	Frac'd w/60Q Slickfoam w/1g/mg FR; 200,000# 20/40 Brady sand; 2,260,300 SCF N2 & 2460 bbls fluid

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
8/2/05	8/02/05	24	→	0	627	3.0			Flows from Well
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	95	185	→						

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

AUG 12 2005

FAIRMONT FIELD OFFICE

BY NMOCD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				Nacimiento	1190
				Ojo Alamo	2480
				Kirtland	2657
				Fruitland	3106
				Pictured Cliff	3395
				Otero/Chacra	4400
				Otero 2	4542
				Cliffhouse 1	5187
				Menefee	5274
				Pt. Lookout	5568

32. Additional remarks (include plugging procedure):

Single well completion to the Blanco Mesaverde. Daily summary and Wellbore schematic are attached.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Christina GustartisTitle Regulatory Specialist

Signature

Chris Gustartis

Date

08/04/2005

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Regulatory Summary
SAN JUAN 29 6 UNIT #029C

Initial Completion, 04/23/2005 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
300392946600	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-03-L	2,100.00	S	700.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,487.00	36° 45' 12.3912" N	107° 27' 23.0508" W	04/09/2005	04/18/2005			

04/23/2005 06:00 - 04/23/2005 15:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Pressured up on 4 1/2" CSG to 1500 #. Ran CBL log from 5917' to 2550'. Top of cement @ 2910'. Ran RST log from 5917' to 2150'. Ran GR/ccl log from 5917' TO surface. RD Schlumberger. Tested 4 1/2" csg to 4300 # for 30 min. Held ok. SWI. RD Woodgroup

06/26/2005 08:00 - 06/26/2005 12:00

Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the Mesaverde. RIH w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5253' - 5259' w/ 1/2 spf, 5313' - 5317' w/ 1/2 spf, 5473' - 5477' w/ 1/2 spf, 5547' - 5553' w/ 1/2 spf, 5572' - 5578' w/ 1/2 spf, 5607' - 5615' w/ 1/2 spf, 5647' - 5657' w/ 1/2 spf, 5680' - 5684' w/ 1/2 spf. A total of 34 holes w/ 0.32 dia. SWI. RD Computalog.

06/27/2005 07:00 - 06/27/2005 12:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Frac'd the Mesaverde. Tested lines to 5300 #. Set pop off @ 3850 #. Broke down formation @ 3 bpm @ 2186 #. Pumped pre pad @ 30 bpm @ 2575 #. Stepped down rate to 25 bpm @ 721 #. Stepped down rate to 20 bpm @ 135 #. Stepped down rate to 15 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 15% of proppant volume with proppnet for proppant flowback control, 2,260,300 SCF N2 & 2460 bbls fluid. Avg rate 65 bpm. Avg pressure 2432 #. Max pressure 2560 #. Max sand cons 1.50 # per gal. ISIP 1346 #. Frac gradient .44. SWI. RD Schlumberger. Started flowback.

06/28/2005 07:00 - 06/28/2005 12:00

Last 24hr Summary

Held safety meeting. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 4700'. Tested plug to 4300 #. Held ok. Perforated the Lewis w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 4423' - 4433' w/ 1 spf, 4485' - 4489' w/ 1 spf, 4551' - 4554' w/ 1 spf, 4566' - 4569' w/ 1 spf, 4586' - 4588' w/ 1 spf, 4597' - 4599' w/ 1 spf, 4607' - 4609' w/ 1 spf. A total of 33 holes w/ 0.34 dia. RD Computalog.

06/29/2005 07:00 - 06/29/2005 14:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Frac'd the Lewis. Tested lines to 5300 #. Set pop off @ 3850 #. Broke down formation @ 3 bpm @ 3156 #. Pumped pre pad @ 15 bpm @ 696 #. Pumped 1000 gals of 15% HCL acid @ 17 bpm @ 1254 #. Frac'd the Lewis w/ 70 Q ClearFrac LT 150,000 # 16/30 Brady sand, Treated the last 20% of proppant volume with proppnet for proppant flowback control, 1.031,300 SCF N2 & 839 bbls fluid. Avg rate 40 bpm. Avg pressure 2595 #. Max pressure 3850 #. Max sand cons 3 # per gal. ISIP 3850 #. Frac gradient .44. Tagged well w/ 3 isotope. tagged pad w/ Scandium. Tagged the 2# sand w/ Iridium. Tagged the 3 # PN w/ Antimony. SWI. RD Schlumberger. Started flowback.

07/19/2005 12:15 - 07/19/2005 17:45

Last 24hr Summary

SICP- 320 Psi

Bradenhead Psi- 0 Psi

Hold PJSA meeting with crews. Talked about conducting safe rig move, rig up operations. Outlined safety topics related to planned operations. Move on location with completion unit and all associated equipment. Spot and rig up unit, and all equipment. Spot tubing trailer onto location. Kill casing with 20 bbls of 2% kcl water. Installed test hanger assembly. Nipple down Frac valve, spool assembly. Nipple up BOP assembly. Close blind rams. Well and lease secured. Shutdown operations for the day.

07/20/2005 07:15 - 07/20/2005 14:30

Last 24hr Summary

SICP- 320 Psi

Bradenhead Psi- 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. Rig up rig floor assembly. Pressure test BOP blind and pipe rams with a low (250 Psi- 10 min.) and a high (2,500 Psi- 30 min.) test. Tests were successful. Kill casing with 20 bbls 2% kcl water. Pull testing 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. Tripped tubing to 4,322'. Installed TIW valve, closed pipe rams. Secured lease. Shutdown operations for the day. L & R Roustabout crew scheduled for the afternoon to lay blooie line and set anchors, was unavailable due to COPC drilling rig move and rig up activity.

07/21/2005 07:15 - 07/21/2005 17:30

Last 24hr Summary

SICP- 125 Psi

Bradenhead Psi- 0Psi

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. Blowdown well into flowback pit. Rig up Expert Slickline unit. Pump 3 bbls of 2% kcl water down tubing. Run in with slickline to pull Baker plug from F-Nipple. Made a total of 2 runs. 1- with pressure disc puncturing tool, 1- with plug pulling tool. Rig down and released slickline unit. Tubing was dead, remove TIW valve. Install string float. Rig up Blooie line assembly and set concrete anchors with L & R crew. Work on burn pit dirt area to make sure well returns will drain to reserve pit. Tubing at 4,322', 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 kill fluid, then made light mist returns. Continued with air until returns were reduced. Shutdown air unit, rig down off tubing. Continue into well with tubing and tagged fill or bridge at 4,640' (60' of fill on bridge plug). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 4,700'. Well made heavy sand (5 cups/min) and light fluid returns. Continued with air/mist to try and clean up returns. Well continued to make very light sand, with light fluid, mist. Shutdown air unit. Rig down off tubing. Trip 2 3/8" tubing above Lewis perfs to 4,385'. Install TIW valve, close pipe rams. Secured lease. Shutdown operations for the day.

07/22/2005 07:15 - 07/22/2005 12:30

Last 24hr Summary

SICP- 300 Psi

Bradenhead Psi- 0 Psi

Crew held PJSA meeting on location. Talked about upcoming job operations and how to work safely. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip into well with 2 3/8" tubing to tag fill. Tagged fill at 4,698' (2' of fill on plug). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 4,700'. Well unloaded light sand and fluid. Continued until returns were clean. Shutdown air unit, rig down off tubing. Trip out of well with 2 3/8" tubing. Out of well with tubing, nipple down BHA. Nipple up and power up Baker pressure tools assembly. Install stripping rubber. Start into well with Baker tools, 2 3/8" tubing from the derrick. Tubing at 4,393', pressure tools at 4,411'. Set packer at 4,393'. Trip out with 1 stand of tubing. Close pipe rams. Install TIW valve onto tubing. Test packer with air unit to 500 Psi. Tested good. Start 72 hour testing period. Secured lease. Shutdown operations for the weekend.

07/25/2005 11:15 - 07/25/2005 17:45

Last 24hr Summary

SICP- 0 Psi

Hold PJSA meeting with crews. Talked about safe job operations. Talked about releasing bridge plug, tripping pressure tools out of the well. Outlined safety topics related to planned operations. Open pipe rams, trip in with 1-stand of tubing. Latch onto Baker bridge plug with releasing tools. Unset bridge plug, let pressure equalize. No significant flow noted from well. Trip tools out of the well. Out of the well, nipple down Baker tool assembly. Download data. Data will be sent to Engineer (Lucas Bazan). Nipple up BHA. Install stripping rubber. Start into well with 1- .92' x 2 3/8" Mule shoe, 1- .85' x 1.81" I.D. F-Nipple, 2 3/8" tubing from the derrick. Tripped tubing to 4,385', installed string float. Continue into well to tag fill. Tagged fill at 4,695' (5' of fill on plug). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 4,700'. Well unloaded light sand and fluid. Continued until returns were clean. Shutdown air unit, rig down off tubing. Trip tubing above Lewis perfs to 4,385'. Installed TIW valve, close pipe rams. Secured lease. Shutdown operations for the day.

07/26/2005 07:15 - 07/26/2005 17:45

Last 24hr Summary

SICP- 290 Psi

Bradenhead Psi- 0 Psi

Hold PJSA meeting on location. Talked about upcoming job operations and how to work safely. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip into well with 2 3/8" tubing to tag fill. Tagged fill at 4,698' (2' of fill on plug). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 4,700'. Well unloaded light sand and fluid. Continued until returns were clean. Shutdown air unit, rig down off tubing. Trip tubing to 4,385'. Kill tubing with 4 bbls of 2% kcl water. Remove string float assembly. Trip tubing to 4,570' to flow test Lewis zone. Install TIW valve onto tubing. Rig up air unit to tubing to unload kill fluid. Start air unit at 1,200 CFM with 3 BPH foam/mist. Well unloaded kill fluid. Continue with air/mist until fluid returns were reduced. Shutdown air unit, rig down off of tubing. Rig up flowback line assembly. Installed 1/2" choke into flowback line. Flow test Lewis zone (4,423'- 4,609') up tubing to atmosphere thru 1/2" choke. FTP Avg.- 10 Psi. (Choke coefficient: 6.6) Well started flowing fluid 30 minutes into the test and continued throughout the test period. Testing indicated Lewis production at 66 MCFPD with 20.0- Bbls water per day, 0- Bbls of oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Test complete, kill tubing with 4 bbls of 2% kcl water. Removed TIW valve and flow test assembly. Trip 2 3/8" tubing above Lewis perfs to 4,322'. Install TIW valve, close and lock pipe rams. Secured lease. Shutdown operations for the day.

07/27/2005 06:00 - 07/27/2005 17:45

Last 24hr Summary

SICP- 280 Psi

Bradenhead Psi- 0 Psi

Hold PJSA meeting on location. Talked about upcoming job operations and how to work safely. Outlined safety topics related to planned operations. Blowdown well into flowback pit. Trip into well with 2 3/8" tubing to tag fill. No fill was tagged at 4,700'. Rig up air unit to tubing. Start air unit at 1,200 CFM with 3 BPH foam/mist. Cleaned out to 4,700'. Well unloaded very light sand and fluid, about 7 bbls of fluid. Continued until returns were clean and reduced. Shutdown air unit, rig down off tubing. Trip tubing to 4,322'. Kill tubing with 4 bbls of 2% kcl water. Remove string float assembly. Trip tubing to 4,570' to flow test Lewis zone. Install TIW valve onto tubing. Rig up air unit to tubing to unload kill fluid. Start air unit at 1,200 CFM with no mist. Well unloaded kill fluid. Continue with air until fluid returns were reduced. Shutdown air unit, rig down off of tubing. Rig up flowback line assembly. Installed 1/2" choke into flowback line. Flow Lewis zone (4,423'- 4,609') up the tubing to atmosphere thru 1/2" choke. FTP Avg.- 11 Psi. Well started flowing fluid 20 minutes into the test. Well continued to flow heavy mist (+/- 30 bbls of fluid per day), with no sand production during entire flowing period. Talked with Engineering (Lucas Bazan). With the amount of fluid being produced from the well, we would not be able to get a useable, accurate spinner production log. Cancelled spinner log test. Kill tubing with 4 bbls of 2% kcl water. Removed TIW valve and flow test assembly. Trip 2 3/8" tubing above Lewis perfs to 4,322'. Install string float, TIW valve. Close pipe rams. Secured lease. Shutdown operations for the day.

07/28/2005 07:15 - 07/28/2005 18:00

Last 24hr Summary

SICP- 270 Psi

Bradenhead Psi- 0 Psi

Held PJSA meeting on location. Talked about conducting safe job operations. Talked about upcoming drilling, cleanout 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. Start tripping 2 3/8" tubing out of the well. Kill casing with 5 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 bridge plug at 4,700' (no fill on plug). Rig up air unit, power swivel assembly. Start air at 1,200 CFM with 5 BPH foam/mist to unload well. Well made light fluid, no sand. Increased mist to 8 BPH to mill thru plug. Noticed no increase in blooie line returns when plug was drilled, well quit flowing for about 15 minutes. Started getting light frac sand, and fluid returns. Continued with air/mist to try and establish better returns. Cleaned out 4,707'. Shutdown air unit, rig down power swivel assembly. Trip into well to tag fill. Tagged fill or bridge at 5,750'. Rig up air unit, power swivel assembly to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 5,926'. Well, blooie line returns were very weak. Continued to circulate with air/mist at 5,926' until returns were clean. Shutdown air unit. Rig down power swivel assembly. Trip tubing, mill assembly above Mesa Verde perfs to 5,250'. Install TIW valve, close pipe rams. Secured lease. Shutdown operations for the day.

07/29/2005 07:15 - 07/29/2005 17:45

Last 24hr Summary

SICP- 230 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. Start tripping 2 3/8" tubing, mill assembly out of the well. Kill well with 10 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.

Tagged fill or bridge at 5,890' (36' on 5,926'). Rig up air unit to tubing.

Start air at 1,200 CFM with 5 BPH foam/mist to unload well. Well made light fluid, Mesa Verde frac sand. Cleaned out to 5,926'. Blooie line returns were very weak. Continued with air/mist until returns were clean. Shutdown air unit.

Trip 2 3/8" tubing to 5,137.80'. 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. Let well flow up tubing to flowback pit thru 1/2" choke assembly. FTP Avg.- 75 Psi. SICP- 180 Psi. Well made light mist, with no sand.

Shut in TIW valve, lock pipe rams. Secured lease.

Shutdown operations for the weekend.

08/01/2005 07:15 - 08/01/2005 17:30

Last 24hr Summary

SICP- 220 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. Blowdown well into flowback tank. Trip in with tubing to tag fill. Tagged fill or bridge at 5,916' (10' on 5,926'). Rig up air unit to tubing. Start air at 1,200 CFM with 3 BPH foam/mist to unload well. Well made light fluid, Mesa Verde frac sand. Cleaned out to 5,926'. Blooie line returns were very weak. Continued with air/mist until returns were clean. Shutdown air unit. Trip 2 3/8" tubing to 5,137.80'. Kill tubing with 4 bbls of 2% kcl water, remove string float. Install TIW valve. Rig up air to tubing to unload kill fluid. Start air unit at 1,200 CFM with no mist. Well unloaded light fluid mist. Shutdown air unit, rig down off tubing. Install flow testing assembly onto TIW valve with a new 1/2" choke installed. Rig up slickline unit and tools. Ran in with end of tubing tools. Tagged PBTD at 5,926', end of tubing at 5,138'. Installed ProTechnics Spectra scan, spinner logging tools onto slickline. Flow test the Mesa Verde perms (5,253'- 5,684') thru the spinner tools up the tubing to atmosphere thru a 1/2" choke at surface (Choke coefficient: 6.6). FTP Avg.- 110 Psi. SICP Avg.- 185 Psi. Also ran a Spectra Scan log over the Lewis perms (4,423- 4,609'). Mesa Verde testing results will be verified by production engineer (Lucas Bazan). Finished testing, check tools to verify data was recorded. Rig down, release slickline unit and tools. Rig down flowback assembly. Kill tubing with 4 bbls of 2% kcl water. Remove TIW valve. Install string float assembly. Install TIW valve onto string float. Close pipe rams. Secured lease. Shutdown operations for the day.

08/02/2005 06:00 - 08/02/2005 17:45

Last 24hr Summary

FINAL REPORT
SICP- 210 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. Blowdown well into flowback tank. Trip in with tubing to tag fill. Tagged fill at 5,920' (6' on 5,926'). Rig up air unit to tubing. Start air at 1,200 CFM with 3 BPH foam/mist to unload well. Well made light fluid, light Mesa Verde frac sand. Cleaned out to 5,926'. Blooie line returns were weak. Continued with air/mist until returns were clean. Shutdown air unit. Trip tubing to string float at 5,138'. Kill tubing with 4 bbls of 2% kcl water. Removed string float assembly. Trip in with tubing to 5,609'. Installed tubing hanger with BPV onto tubing. Land hanger into wellhead. Secured lockdown pins. Tubing landed at 5,609.82' K.B. Top of 1.81" I.D. F-Nipple at 5,608.05' K.B. Nipple down BOP assembly. Nipple up wellhead assembly. Wood Group tested wellhead seals to 3,000 Psi, removed BPV from hanger. Let well flow up casing annulus until oxygen content was less than 1%. Rig up flowback line off wellhead. Installed new 1/2" choke into flowback line. Flow test the Mesa Verde zone (5,253'- 5,684') up the tubing to atmosphere. (Choke coefficient: 6.6) FTP Avg.- 95 Psi. SICP- 185 Psi. Testing indicated Mesa Verde production at 627 MCFPD with 3.0- Bbls water per day, 0- Bbls of oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Testing over, checked oxygen content on tubing. Oxygen content was less than 1%. Shut in and secured well. Completed rig down of unit and equipment. Cleaned and secured wellsite. All well service equipment will be moved off wellsite on 8-03-05. Will notify facilities supervisor (Lino Hernandez) of completion of services on 8-03-05.

Well Name: San Juan 29-6 #29C
 API #: 30-039-29466-00-X1
 Location: 2320' FSL & 875' FWL
Sec. 3 - T29N - R6W
Rio Arriba County, NM
 Elevation: 6469' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Spud: 9-Apr-05
 Spud Time: 2:00
 Date TD Reached: 16-Apr-05
 Release Dri Rig: 18-Apr-05
 Release Time: 0:00

Surface Casing Date set: 9-Apr-05
 Size 9 5/8 in
 Set at 233 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 125 %
 T.O.C. SURFACE

☒ New
☐ Used

Csg Shoe 233 ft
 TD of 12-1/4" hole 240 ft

Notified BLM @ 19:03 hrs on 07-Apr-05
 Notified NMOCD @ 19:06 hrs on 07-Apr-05

Intermediate Casing Date set: 14-Apr-05
 Size 7 in 85 jts
 Set at 3636 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 %
 T.O.C. SURFACE
 Pup @ ft
 Pup @ ft

☒ New
☐ Used

Top of Float Collar 3635 ft
 Bottom of Casing Shoe 3636 ft
 TD of 8-3/4" Hole 3640 ft

Notified BLM @ 19:00 hrs on 12-Apr-05
 Notified NMOCD @ 19:03 hrs on 12-Apr-05

Production Casing: Date set: 17-Apr-05
 Size 4 1/2 in 136 jts
 Set at 5929 ft 3 pups
 Wt. 10.5 ppf Grade J-55
 Hole Size 6 1/4 in Conn STC
 Excess Cmt 50 %
 T.O.C. (est) 3436
 Marker Jt @ 5033 ft
 Marker Jt @ 5042 ft
 Marker Jt @ 5052 ft

☒ New
☐ Used

Top of Float Collar 5926 ft
 Bottom of Casing Shoe 5929 ft

Notified BLM @ 06:23 hrs on 16-Apr-05
 Notified NMOCD @ 06:25 hrs on 16-Apr-05

TD of 8-3/4" Hole: 5932 ft

Surface Cement

Date cmt'd: 9-Apr-05
 Lead : 150 sx Class G Cement
 + 3% S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes
 1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 15.3 bbls fresh wtr
 Bumped Plug at: 12:30 hrs w/ 820 psi
 Final Circ Press: 110 psi @ 1.0 bpm
 Returns during job: YES
 CMT Returns to surface: 9 bbls
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 13.50 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 14-Apr-05
 Lead : 385 sx Class G Cement
 + 0.25 lb/sx D029 Cellophane Flakes
 + 3% D079 Extender
 + 0.20% D046 Antifoam
 + 0.05 gal/sx D047 Antifoam
 + 10.00 lb/sx Phenoseal
 2.72 cuft/sx, 1047.2 cuft slurry at 11.7 ppg
 Tail : 215 sx 50/50 POZ : Class G Cement
 + 0.25 lb/sx D029 Cellophane Flakes
 + 2% D020 Bentonite
 + 1.50 lb/sx D024 Gilsonite Extender
 + 2% S001 Calcium Chloride
 + 0.10% D046 Antifoam
 + 6 lb/sx Phenoseal
 1.31 cuft/sx, 281.7 cuft slurry at 13.5 ppg
 Displacement: 145.3 bbls
 Bumped Plug at: 07:37 hrs w/ 1600 psi
 Final Circ Press: 1000 psi @ 1.0 bpm
 Returns during job: YES
 CMT Returns to surface: 23 bbls
 Floats Held: X Yes No
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 20.50 hrs (plug bump to test csg)

Production Cement

Date cmt'd: 17-Apr-05
 Cement : 265 sx 50/50 POZ : Class G Cement
 + 0.25 lb/sx D029 Cellophane Flakes
 + 3% D020 Bentonite
 + 1.00 lb/sx D024 Gilsonite Extender
 + 0.25% D167 Fluid Loss
 + 0.15% D065 Dispersant
 + 0.10% D800 Retarder
 + 0.10% D046 Antifoam
 + 3.5 lb/sx Phenoseal
 1.45 cuft/sx, 384.3 cuft slurry at 13.0 ppg
 Displacement: 94.2 bbls
 Bumped Plug: 13:09 hrs w/ 1600 psi
 Final Circ Press: 650 psi @ 2.0 bpm
 Returns during job: None Planned
 CMT Returns to surface: None Planned
 Floats Held: X Yes No

Schematic prepared by:
 Michael P. Neuschafer, Drilling Engineer
 19-April-2005

COMMENTS:

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 189'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 223', 146', 103, 60'. Total: 4
7" Intermediate	DISPLACED W/ 145.2 BBLs. FRESH WATER. CENTRALIZERS @ 3626', 3547', 3461', 3375', 3289', 3202', 211', 82', 39'. TURBOLIZERS @ 2688', 2645', 2602', 2559', 2516', 2473', 2434'. Total: 9 Total: 7
4-1/2" Prod.	NONE.