Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMSF078278

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. NMNM78416B

2. Name of Operator CONOCOPHILLIPS COMPANY
Contact: CHRIS GUSTARTIS
E-Mail: christina.gustartis@conocophillips.com

8. Lease Name and Well No. SAN JUAN 29-6 UNIT 90F

3. Address P O BOX 2197 WL 6106 HOUSTON, TX 77252
3a. Phone No. (include area code) Ph: 832.486.2463

9. API Well No. 30-039-27623-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 15 T29N R6W Mer NMP NENE 400FNL 400FEL 36.73185 N Lat, 107.44212 W Lon
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory BLANCO MV / BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey or Area Sec 15 T29N R6W Mer NMP

12. County or Parish RIO ARRIBA
13. State NM

14. Date Spudded 11/28/2004
15. Date T.D. Reached 12/09/2004
16. Date Completed ☐ D & A ☒ Ready to Prod. 03/18/2005
17. Elevations (DF, KB, RT, GL)* 6748 GL

18. Total Depth: MD 8161 TVD
19. Plug Back T.D.: MD 8159 TVD
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL TDT GR CCL OTH

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

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	0	255		150		0	
8.750	7.000 J-55	20.0	0	3922		655		0	
6.250	4.500 N-80	11.6	0	8161		465		2800	

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	8015							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	8008	8077	8008 TO 8077	0.340	76	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
8008 TO 8077	FRAC'D W/SLICKWATER @ 1.25 G/MG FR, 40,000# 20/40 CARBONLITE SAND & 4183 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
03/18/2005	03/18/2005	24	→	0.0	372.0	19.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
1/2	100	360.0	→	0	372	19		GSI

28a. 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.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #55525 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED**

ACCEPTED FOR RECORD
APR 05 2005
FARMINGTON 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 of 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
SAN JOSE	0	1382		NACIMIENTO	1376
NACIMIENTO	1382	2687		KIRTLAND	2951
OJO ALAMO	2687	2892		PICTURED CLIFFS	3631
				CLIFF HOUSE	5341
				POINT LOOKOUT	5836
				GREENHORN	7811
				DAKOTA	7936

32. Additional remarks (include plugging procedure):
This is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota.
Wellbore schematic and daily summary is attached.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic 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):

Electronic Submission #55525 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 04/05/2005 (05AXB1034SE)

Name *(please print)* CHRIS GUSTARTIS Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 03/29/2005

Title 18 U.S.C. Section 1001 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 any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

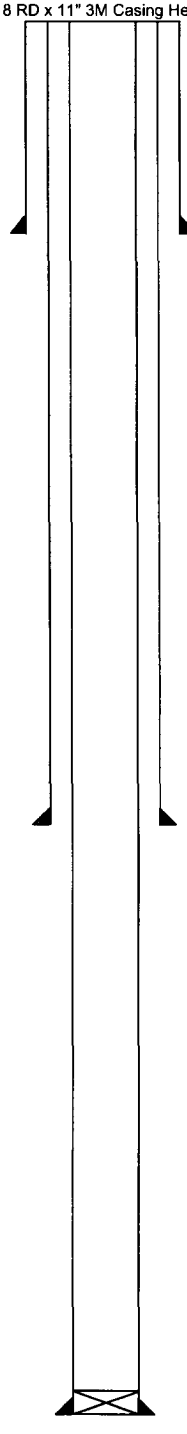
ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 29-6 #90F
API #: 30-039-27623
Location: 400' FNL & 400' FEL
Sec. 15 - T29N - R6W
Rio Arriba County, NM
Elevation: 6748' GL (above MSL)
Drl Rig RKB: 13' above Ground Level
Datum: Drl Rig RKB = 13' above GL

Spud: 28-Nov-04
Spud Time: 4:30
Date TD Reached: 9-Dec-04
Release Drl Rig: 13-Nov-04
Release Time: 0:00

11" 3M x 7 1/16" 5M Tubing Head
11" 3M x 11" 3M Casing Spool
9-5/8" 8 RD x 11" 3M Casing Head



Surface Casing

[X] New [ ] Used

Date set: 28-Nov-04
Size 9 5/8 in
Set at 255 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 Csg Shoe 255 ft
TD of 12-1/4" hole 285 ft

Notified BLM @ 17:00 hrs on 26-Nov-04
Notified NMOCD @ 17:02 hrs on 26-Nov-04

SurfaceCement

Date cmt'd: 28-Nov-04
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: ____ bbls fresh wtr
Bumped Plug at: 21:36 hrs w/ 850 psi
Final Circ Press:
Returns during job: YES
CMT Returns to surface: 12 bbls
Floats Held: No floats used
W.O.C. for 6.00 hrs (plug bump to start NU BOP)
W.O.C. for 15.00 hrs (plug bump to test csg)

Intermediate Casing

[X] New [ ] Used

Date set: 6-Dec-04
Size 7 in 93 jts
Set at 3922 ft 0 pups
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Excess Cmt 150 % Top of Float Collar 3876 ft
T.O.C. SURFACE Bottom of Casing Shoe 3922 ft
Pup @ ____ ft TD of 8-3/4" Hole 3928 ft
Pup @ ____ ft

Notified BLM @ 10:29 hrs on 02-Dec-04
Notified NMOCD @ 10:31 hrs on 02-Dec-04

Intermediate Cement

Date cmt'd: 6-Dec-04
Lead : 420 sx Class G Cement
+ 0.25 lb/sx D029 Cellophane Flakes
+ 3% D079 Extender
+ 0.20% D046 Antifoam
+ 10.00 lb/sx Phenoseal
2.72 cuft/sx, 1142.4 cuft slurry at 11.7 ppg
Tail : 235 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
+ 0.20% D046 Antifoam
+ 6 lb/sx Phenoseal
1.31 cuft/sx, 307.85 cuft slurry at 13.5 ppg
Displacement: 157 bbls
Bumped Plug at: 04:46 hrs w/ 1600 psi
Final Circ Press: 1130 psi @ 2 bpm
Returns during job: YES
CMT Returns to surface: 30 bbls
Floats Held: [X] Yes [ ] No
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)

Production Casing:

[X] New [ ] Used

Date set: 10-Dec-04
Size 4 1/2 in 193 jts
Set at 8161 ft 1 pups
Wt. 11.6 ppf Grade N-80
Hole Size 6 1/4 in Conn LTC
Excess Cmt 50 % Top of Float Collar 8159 ft
T.O.C. (est) ____ Bottom of Casing Shoe 8161 ft
Marker Jt @ 5261.9 ft TD of 8-3/4" Hole 8161 ft
Marker Jt @ 7810.5 ft
Marker Jt @ ____ ft

Notified BLM @ ____ hrs on ____
Notified NMOCD @ ____ hrs on ____

Top of Float Collar 8159 ft
Bottom of Casing Shoe 8161 ft

TD of 8-3/4" Hole: 8161 ft

Production Cement

Date cmt'd: 10-Dec-04
Cement : 465 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, 674.25 cuft slurry at 13.0 ppg
Displacement: 126.5 bbls
Bumped Plug: 11:24 hrs w/ 2000 psi
Final Circ Press: 1350 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
12-December-2004

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 @ 213'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.	Total:
7" Intermediate	DISPLACED W/ 149.5 BBLS. DRILL WATER.	
	CENTRALIZERS @ 3912', 3833', 3747', 3660', 3574', 3488', 246', 81', 39'.	Total: 9
	TURBOLIZERS @ 2969', 2926', 2883', 2839', 2796'.	Total: 5
4-1/2" Prod.	NONE.	

SAN JUAN 29 6 UNIT #090F — Initial Completion

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392762300	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-15-A	400.0	N	400.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6748.00	11/24/2004	12/09/2004	36° 43' 54.66" N	107° 26' 31.632" W

Start Date	Ops This Rpt
12/14/2004 07:00	HELD PRE-JOB SAFETY MEETING. RU SCHLUMBERGER PRESSURED UP 4 1/2" CSG TO 1500 #. RAN CBL LOG FROM 8124' TO 2500'. TOP OF CEMENT @ 2800'. RAN TDT LOG FROM 8124' TO 2400'. RAN GR/CCL LOG FROM 8124' TO SURFACE. RD SCHLUMBERGER.
12/18/2004 15:00	HELD PRE-JOB SAFETY MEETING. RU ISOLATION TOOL. TESTED 4 1/2" CSG TO 6700 # FOR 30 MIN. HELD OK. RD ISOLATION TOOL. SWI.
12/28/2004 07:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 120 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 8008' - 8030' W/ 2 SPF, 8050' - 8060' W/ 2 SPF, 8071' - 8077' W/ 2 SPF. A TOTAL OF 76 HOLES @ 0.34 DIA.
12/29/2004 07:00	HELD SAFETY MEETING. RU ISOLATION TOOL. RU SCHLUMBERGER. FRAC'D THE DAKOTA. TESTED LINES TO 7700 #. SET POP OFF @ 6000 #. BROKE DOWN FORMATION @ 4 BPM @ 1375 #. PUMPED PRE PAD @ 45 BPM @ 3532 #. STEPPED DOWN RATE TO 35 BPM @ 2578 #. STEPPED DOWN RATE TO 25 BPM @ 2206 #. STEPPED DOWN RATE TO 15 BPM @ 1923 #. STEPPED DOWN RATE TO 10 BPM @ 1707 #. ISIP 1670 #. 5 MIN 1158 #. 10 MIN 994 #. 15 MIN 829 #. 20 MIN 694 #. 25 MIN 576 #. 30 MIN 492 #. PUMPED 1000 GALS OF 15% HCL ACID @ 6 BPM @ 1405 #. FRAC'D THE DAKOTA W/ SLICKWATER @ 1.25 g/mg FR, 40,000 # 20/40 CARBOLITE SAND & 4183 BBLS FLUID. AVG RATE 54 BPM. AVG PRESSURE 4404 #. MAX PRESSURE 5730 #. MAX SAND CONS .40 # PER GAL. ISIP 5610 #. FRAC GRADIENT .66. SWI. RD SCHLUMBERGER.
01/04/2005 12:00	HELD SAFETY MEETING. RU BLUE JET. RIH W/ 4 1/2" COMPOSITE PLUG. SET PLUG @ 6050'. TESTED PLUG TO 4800 #. HELD OK. PERFORATED THE POINT LOOKOUT W/3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5842' - 5854' W/ 1/2 SPF, 5876' - 5880' W/ 1/2 SPF, 5904' - 5920' W/ 1/2 SPF, 5932' - 5948' W/ 1/2 SPF, 5956' - 5958' W 1/2 SPF. A TOTAL OF 55 HOLES W/ 0.34 DIA. SWI.
01/04/2005 17:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE POINT LOOKOUT. TESTED LINES TO 5800 #. SET POP OFF @ 4500 #. PUMPED PRE PAD @ 42 BPM @ 196 #. STEPPED DOWN RATE TO 37 BPM @ 76 #. STEPPED DOWN RATE TO 32 BPM @ 0 #. ISIP 0 #. PUMPED 1000 GALS OF 15% HCL ACID @ 10 BPM @ 40 #. FRAC'D THE POINT LOOKOUT W/ 65 Q SLICK FOAM W/ 1 G/MG FR, 125,000 # OF 16/30 BRADY SAND AND TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL. 1,520,300 SCF N2 & 1420 BBLS FLUID. AVG RATE 45 BPM. AVG PRISSURE 1927 #. MAX PRESSURE 2300 #. MAX SAND CONS 1.5 # PER GAL. ISIP 819 #. FRAC GRADIENT .44. RU BLUE JET. RIH W/ 4 1/2' COMPOSIT PLUG. SET PLUG @ 5720'. TESTED PLUG TO 4800 #. HELD OK. PERFORATED THE CH & MEN W/3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5449' - 5453' W/ 1/2 SPF, 5495' - 5511' W/ 1/2 SPF, 5518' - 5532' W/ 1/2 SPF, 5564' - 5572' W/ 1/2 SPF, 5592' - 5606' W/ 1/2 SPF, 5684' - 5694' W 1/2 SPF. A TOTAL OF 39 HOLES W/ 0.34. FRAC'D THE CH & MEN. TESTED LINES TO 5800 #. SET POP OFF @ 4500 #. BROKE DOWN FORMATION @ 3 BPM @ 1985 #. PUMPED PRE PAD @ 42 BPM @ 903 #. STEPPED DOWN RATE TO 32 BPM @ 335 #. STEPPED DOWN RATE TO 22 BPM @ 109 #. STEPPED DOWN RATE TO 10 BPM @ 0 #. ISIP 0 #. PUMPED 1000 GALS OF 15% HCL ACID @ 10 BPM @ 0 #. FRAC'D THE CH & MEN. W/ 65 Q SLICK FOAM W/ 1 G/MG FR, 100,000 # OF 16/30 BRADY SAND AND TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL. 1,258,100 SCF N2 & 1096 BBLS FLUID. AVG RATE 50 BPM. AVG PRISSURE 2660 #. MAX PRESSURE 3967 #. MAX SAND CONS 1.5 # PER GAL. ISIP 3789 #. FRAC GRADIENT .44. RD SCHLUMBERGER. START FLOWBACK.
02/15/2005 07:15	Crew held PJSA meeting. Talked about conducting safe rig move operations. Talked about using ground guides, watching out for any obstacles, using tire chains, driving in muddy conditions. Crew also outlined general safety topics. Move Key Rig #11 and all equipment to area near wellsite. Location and roads were too muddy to road equipment into wellsite. Crew serviced and made necessary repairs to unit. Secured rig and equipment for the day, crew released. Will try to move in unit and equipment on 2-16-05 weather permitting.
02/16/2005 06:00	Operations were shutdown for the day due to poor lease road conditions. Heavy rains had made lease roads very muddy.
02/17/2005 07:15	SICP- 380 Psi Hold PJSA meeting with rig crew. Talked about conducting safe job operations. Talked about moving in rig and associated equipment on muddy lease roads. Talked about spotting rig and equipment on location, using ground guides, watching for other equipment. Outlined safety topics. Road Key rig #11 and associated equipment to location. Spotted rig and equipment on location. Lease roads and location were very muddy and rutted. Had to use a road grader to help spot unit. All equipment on location. Secured lease. Released crews. Shutdown operations for the day.
02/18/2005 07:15	Operations cancelled for the day. Attempted to road in roustabout crew and backhoe to help with rig up of completion unit. Crew unable to get to location, slid off the side of the lease road with truck and equipment. Lease roads were extremely muddy due to rain storms. Cancelled load of tubing coming from town. Cancelled operations for the day, crews released.
02/21/2005 06:00	Operations shutdown for the day. Lease roads were very muddy and in poor condition due to rain storms.
02/22/2005 07:00	Operations cancelled for the day. Attempted to road in rig, roustabout crews and backhoe to help with rig up of completion unit. Crews unable to get to location with trucks and equipment. Trucks kept sliding off the sides of the lease roads. Roads were very muddy and slick. Cancelled operations for the day, crews released.
02/23/2005 07:00	No operations for the day.
02/24/2005 07:00	No operations for the day.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392762300	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-15-A	400.0	N	400.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6748.00	11/24/2004	12/09/2004	36° 43' 54.66" N	107° 26' 31.632" W

Start Date	Ops This Rpt
02/25/2005 07:00	No operations for the day.
02/28/2005 07:15	SICP- 380 Psi Hold PJSA meeting with crews. Talked about conducting safe rig up operations. Talked about possible job hazards and how to avoid those hazards. Talked about working on muddy, slippery location. Outlined safety topics associated with job. Start rigging up Key Rig #11 equipment. Location was very muddy and deeply rutted. Told crews to take extra time and be safe and careful. Killed well with 10 bbls of 2% kcl water. Installed tubing hanger assembly with BPV. Secured lockdown pins. Nipple down Frac valve and spool assembly. Nipple up BOP assembly and blooie line assembly. Test BOP blind and pipe ram assemblies with a low (250 Psi for 10 min.) and a high (2,000 Psi for 15 min.) test. Tests were successful. Close in blind rams, secured well and lease. Drained all lines and rig pump. Shutdown operations for the day.
03/01/2005 06:00	SICP- 380 Psi Hold PJSA meeting with crew. Talked about conducting safe job operations. Talked about hazards of planned job operations and how to safely avoid those hazards. Outlined general safety topics. Conducted rig inspection. Dawn Trucking spotted tubing trailer on location. Had to use rig up trucks to help spot tubing trailer. Kill casing with 10 bbls of 2% kcl water. Pull tubing hanger assembly. Install new stripping rubber assembly. Trip into well with 1- 3.875" O.D. x .30' Mill-Tooth bit, 1- 2 3/8" x 1.81' bit sub, 1- 2 3/8" x .97' string float, 2 3/8" tubing. Tripped tubing to 3,236'. Rigged up air unit to unload well. Tested air lines to 1,400 Psi, tested good. Start air unit at 1,200 CFM with 3 BPH foam/mist. Well unloaded light mist, no sand. Shutdown air unit. Continued tripping 2 3/8" tubing into well. Tagged sand fill or bridge at 4,680' K.B. Installed TIW valve, closed pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/02/2005 07:15	SICP- 400 Psi Hold PJSA meeting with crew. Talked about planned operations and how to safely conduct operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Rig up air unit to tubing to cleanout sand fill. Tubing at 4,680'. Started air at 1,200 CFM with 3 to 5 BPH foam/mist. Sand fill in casing was not a bridge. Cleaned out sand fill to 5,340'. Well made light fluid (1/2 BPH). Shutdown air unit. Pulled tubing to 5200'. Installed TIW valve, closed pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/03/2005 07:15	SICP- 400 Psi Hold PJSA meeting with crew. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Trip tubing into well to tag fill. Tagged fill at 5,335' (5' of fill made overnight). Rig up air unit to tubing to cleanout sand fill. Started air at 1,200 CFM with 3 to 5 BPH foam/mist. Cleaned out sand fill to 5,720' (bridge plug). Well made sand, light fluid (1/2 BPH). Shutdown air unit. Pulled tubing to 5,400'. Install TIW valve onto tubing. Let well flow natural up annulus, blooie line to flowback pit. Well was making light sand, light fluid (1/8 cup a minute, 1 BPH fluid). Close in pipe rams, drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/04/2005 07:15	SICP- 400 Psi Crew held PJSA meeting on location. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Trip tubing into well to tag fill. Did not tag any fill on bridge plug. Rig up air unit to tubing to unload fluid. Started air at 1,200 CFM with 3 BPH foam/mist. Unloaded light fluid from well, with no sand. Shutdown air unit. Rig down air unit off of tubing. Trip tubing to 5,590'. Rig up flowback line. Installed new 1/2" choke into flowback line. Tested Upper Mesa Verde perfs (5,449'- 5,694') up tubing/casing annulus to atmosphere thru 1/2" choke. SITP- N/A (string float in tubing), FCP Avg.- 195 Psi. (Choke coefficient: 6.6) Testing indicated Upper Mesa Verde production at 1,287 MCFPD with 5- Bbls water per day, 0- Bbls of Oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Tripped tubing into well to Bridge Plug at 5,720'. Rig up air unit to tubing. Start air unit at 1,200 CFM with 8 BPH foam/mist. Drilled out plug, no increase in pressure was noted. Circulated with air until returns were clean. Shutdown air unit. Rig down air unit off of tubing. Tripped into well with tubing. Tagged fill or bridge at 5,808' (242' from 2nd plug at 6,050'). Rig up air unit to tubing. Start air unit at 1,200 CFM with 3 BPH foam/mist. Cleaned out to 5,872'. Well made sand and light fluid returns. Shutdown air unit. Rig down air unit off of tubing. Tripped 2 3/8" tubing above Mesa Verde perfs to 5,338'. Installed TIW valve, closed and locked pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/07/2005 07:15	SICP- 350 Psi Hold PJSA meeting with crew. Talked about conducting safe job operations. Talked about hazards of planned job operations and how to safely avoid those hazards. Outlined general safety topics. Blowdown well into flowback pit. Tripped 2 3/8" tubing into well to tag fill. Tagged fill at 5,855' (17' of fill over weekend). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 2nd bridge plug at 6,050'. Well made heavy sand (4 cups in a minute) and light fluid. Continued with air/mist until returns were reduced. Shutdown air unit. Rig down off tubing. Start tripping 2 3/8" tubing and tools out of the well. Kill well with 15 bbls of 2% kcl water. Trip out of well with last 10 stands of tubing. Nipple down bit, bit sub assembly. Close and lock blind rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392762300	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-15-A	400.0	N	400.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6748.00	11/24/2004	12/09/2004	36° 43' 54.66" N	107° 26' 31.632" W

Start Date	Ops This Rpt
03/08/2005 07:15	SICP- 350 Psi Hold PJSA meeting with crew. Talked about planned operations and how to safely conduct operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Nipple up BHA. Install new stripping rubber assembly. Kill well with 15 bbls of 2% kcl water. Start into well with 1 -.92' x 2 3/8" Mule shoe, 1- .83' x 1.81" I.D.x 2 3/8" F-Nipple with Baker plug installed, 2 3/8" tubing with turned down collars. Tripped tubing to 5,243'. Installed TIW valve onto tubing. 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. Kill tubing with 4 bbls 2% kcl water. Removed TIW valve. Install string float. Trip 2 3/8" tubing into the well to tag fill. Tagged fill at 6,015' (35' of fill on 2nd plug). Rig up air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out to 6,050'. Well made sand and light fluid. Continued with air until returns were reduced. Shutdown air unit. Trip 2 3/8" tubing to 5,243'. Installed TIW valve, close pipe rams. Drained all lines. Secured lease. Shutdown operations for the day.
03/09/2005 07:15	SICP- 350 Psi SITP- 350 Psi Hold PJSA meeting with crew. Talked about planned operations and how to safely conduct operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Rig up swabbing tee onto TIW valve. Rig up flowback line off of tubing into flowback line with a new 1/2" choke installed. Flow well up tubing until ProTechnics, slickline unit were rigged up and ready to start test. Ran slickline gauge ring and tagged at 6,050'. Installed ProTechnics spinner survey logging tools onto slickline. Flow tested the Mesa Verde perfs (5,449'- 5,958') thru the spinner survey tools up the tubing to atmosphere thru a new 1/2" choke at surface (Choke coefficient: 6.6). SICP Avg.- 310 Psi. FTP Avg.- 180 Psi. Test was witnessed by Sergio Serna (Rig Operator). Spinner survey production results will be verified by production engineer (Lucas Bazan). Testing completed , rig down tools. Check tools to verify that data was recorded. Data was recorded, trip slickline into well with 1.81" Baker plug. Set plug in F-Nipple at 5,242'. Plug set, rig down and release slickline unit and tools. Trip 2 3/8" tubing out of the well. Kill well with 15 bbls of 2% kcl water to pull last 5 stands of tubing. Continued out of the well with tubing. Nipple down Mule shoe, F-Nipple. Nipple up bit assembly. Trip into well with 1- 3.875" O.D. x .30' Mill-Tooth bit, 1- 2 3/8" x 1.81' bit sub, 1- 2 3/8" x .97' string float, 2 3/8" tubing. Tripped tubing to 5,205'. Installed TIW valve, closed pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/10/2005 07:15	SICP- 350 Psi Hold PJSA meeting with crew. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Trip tubing into well to tag fill. Tagged fill or bridge at 6,020' (30' of fill made overnight). Rig up air unit to tubing to cleanout fill. Started air at 1,200 CFM with 5 BPH foam/mist. Cleaned out fill to 6,050' (bridge plug). Well made light sand and fluid. Continued with air/mist until returns were clean. Shutdown air unit. Rig down air unit from tubing. Tripped tubing to 5,704' to test overall Mesa Verde zone. Rig up flowback line. Installed new 1/2" choke into flowback line. Tested Overall Mesa Verde zone (5,449'- 5,958') up tubing/casing annulus to atmosphere thru 1/2" choke. SITP- N/A (string float in tubing), FCP Avg.- 235 Psi. (Choke coefficient: 6.6) Testing indicated Overall Mesa Verde production at 1,551 MCFPD with 3- Bbls water per day, 1/2- Bbl of Oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Testing completed. Trip 2 3/8" tubing into well to drill out bridge plug at 6,050'. Rig up power swivel assembly. Start air unit at 1,200 CFM with 8 BPH foam/mist. Drilled thru plug, noticed a large increase in gas flow from blooie line, also a increase in fluid flow with light Dakota Carbolite proppant. Continued with air/mist until returns cleaned up. Shutdown air unit. Rig down power swivel, air unit. Trip and tally 2 3/8" tubing into well. Tubing at 7,370'. Installed TIW valve onto tubing, closed pipe rams. Drained lines of fluid. Secured lease. Shutdown operations for the day.
03/11/2005 07:15	SICP- 600 Psi Crew held PJSA meeting on location. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Make repairs to slip-grip elevators. Trip 2 3/8" tubing into well to tag fill. Tagged fill at 8,050' (74' on PBTD). Rig up air unit and power swivel assembly onto tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out sand fill to 8,075, unable to get any further. Tried drilling with the power swivel, unable to get any further than 8,075'. Casing may be damaged below this depth. Talked with project engineer (Lucas Bazan). Will trip out of the well and inspect drill bit. Rig down air unit, power swivel assembly. Came out of the well with the 2 3/8" tubing. Killed well with 20 bbls of 2% kcl water to remove the last 10 stands of tubing. Came out with the last 10 stands. Drill bit was very worn on the outside edges of the bit, bit teeth. Possible collaspsed or bad spot in the casing. Closed and locked blind rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.

Daily Summary

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300392762300	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-15-A	400.0	N	400.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6748.00	11/24/2004	12/09/2004	36° 43' 54.66" N	107° 26' 31.632" W

Start Date	Ops This Rpt
03/14/2005 07:15	SICP- 520 Psi Hold PJSA meeting on location. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback tank. Nipple up milling tools. Kill casing with 20 bbls of 2% kcl water. Install new stripping rubber assembly. Trip into well with 1- 3.1875" O.D. x .1.14' Pilot Mill, 1- 3.875" x 4.25' String Mill, 1- 1.81' x 2 3/8" bit sub, 1- 2 3/8" x .97' string float, 2 3/8" tubing from derrick. Tagged fill at 8,050'. Rig up air unit and power swivel assembly to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Cleaned out sand fill to 8,075'. Started milling on bad spot in casing. Increased foam/mist to 8 BPH. Milled to 8,077.50'. Shutdown milling. Shutdown air unit. Rig down power swivel and air unit off of tubing. Tripped tubing to 7,810'. Installed TIW valve, closed pipe rams. Drained all lines. Secured lease. Shutdown operations for the day.
03/15/2005 07:45	SICP- 520 Psi Hold PJSA meeting with crew. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Trip tubing into well to tag fill. No fill tagged. Rig up power swivel, air unit to tubing. Start air unit at 1,200 CFM with 5 BPH foam/mist. Well logged off with heavy foam, setting off air unit pop-offs. Reduced to 3 BPH until heavy foam was circulated out of well. Heavy foam circulated out of well, started milling at 8,078'. Increased foam/mist to 8 BPH. Well made light Dakota sand returns with light metal particles. Milled to 8,080'. Unable to mill any further, mills may be worn. Shutdown milling, circulate with air/mist until returns were clean. Shutdown air unit, rig down power swivel, air unit off tubing. Tripped tubing to 7,810'. Installed TIW valve, closed pipe rams. Drained all lines. Secured lease. Shutdown for the day.
03/16/2005 07:00	SICP- 530 Psi Hold PJSA meeting on location. Talked about planned operations and hazards of planned operations. Talked about conducting safe operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Kill tubing with 5 bbls of 2% kcl water. Remove string float from tubing. Trip 2 3/8" tubing and milling tools out of well. Kill well with 15 bbls of 2% kcl water to trip out last 10 stands. Came out with last 10 stands. Inspected mill assembly wear pattern. The 3.875" string mill was worn in the middle of the cutting teeth assembly. The 3.1875" pilot mill had no wear on its milling assembly. From the appearance of the string mill, it would appear to indicate that the tight spot in the casing was milled and should be repaired. Nipple down mill assembly. Nipple up new BHA. Installed new stripping rubber. Start into well with 1 -.91' x 2 3/8" Mule shoe with expendable check, 1- .83' x 1.81" I.D.x 2 3/8" F-Nipple, 2 3/8" tubing with turned down collars, drifting per COPC policy. Had 60 joints (1,882') of tubing that would not drift. Layed down bad tubing and continued into well drifting per policy. Tubing at 6,620'. Installed TIW valve, closed pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.
03/17/2005 07:15	SICP- 530 Psi Hold PJSA meeting on location with crew. Talked about planned operations and hazards of planned operations. Talked about how to avoid hazards of planned operations. Safety topics included first aid, tripping hazards, pinch points, using tools correctly, lifting correctly, watching for trapped pressure, and other safety items. Blowdown well into flowback pit. Spot replacement tubing trailer. Tally tubing. Trip into well with 2 3/8" tubing drifting per COPC policy. Tagged fill or bridge at 8,060'. Rig up air unit to tubing. Start air unit at 1,200 CFM with 3 to 5 BPH foam/mist. No resistance or drag were felt at 8,075'. Cleaned out sand fill to 8,131'. Well unloaded about a 10 bbl slug of fluid. Well then made light Dakota frac sand, with a slight amount of Mesa Verde frac sand, with light fluid returns. Continued with air/mist until returns were cleaned. Shutdown air unit. Rig down off tubing. Trip 2 3/8" tubing to string float at 7,877'. Kill tubing with 5 bbls of 2% kcl water to remove string float. Dropped ball to pump out expendable check assembly. Reinstalled string float onto tubing. Trip 2 3/8" tubing to 8,131'. Rig up air unit to tubing. Pump off expendable check with 8 bbls of 2% kcl behind ball, follow with air at 1,200 CFM with 3 BPH foam/mist. At 1,000 Psi, shutdown air unit. Pressure 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 any fluid, sand returns. Shutdown air unit, pulled tubing to string float at 7,877'. Kill tubing with 5 bbls of 2% kcl water to remove string float. Install TIW valve onto tubing, rig up tubing to flowback line with 1/2" choke assembly installed. Closed pipe rams. Flowback well up the tubing thru a 1/2" choke assembly. FTP Avg.- 90 Psi. Close in TIW valve, locked pipe rams. Drained all lines of fluid. Secured lease. Shutdown operations for the day.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300392762300	RIO ARRIBA	NEW MEXICO	NMPM-29N-06W-15-A	400.0	N	400.0	E

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
6748.00	11/24/2004	12/09/2004	36° 43' 54.66" N	107° 26' 31.632" W

Start Date	Ops This Rpt
03/18/2005 07:15	FINAL REPORT SICP- 400 Psi SITP- 520 Psi Crew held PJSA meeting on location. Oulined planned job operations, and how to safely complete those operations. Blowdown well into flowback pit. Trip 2 3/8" tubing into the well to tag fill. Tagged fill at 8,125' (6' of fill). Rig up air unit, start air at 1,200 CFM with 3 BPH foam/mist. Cleaned out to 8,131'. Tripped tubing to 7,878' to test. Install TIW valve, rig up flowback line off of tubing with a new 1/2" choke installed. Flow well up tubing until ProTechnics, slickline unit were rigged up and ready to start test. Ran slickline end of tubing tool and tagged at 8,129'. End of tubing at 7,878'. Installed ProTechnics spinner survey logging tools onto slickline. Flow tested the Dakota perfs (8,008'- 8,077') thru the spinner tool up the tubing to atmosphere thru a 1/2" choke (Choke coefficient: 6.6). SICP Avg.- 360 Psi. FTP Avg.- 100 Psi. Test was witnessed by Sergio Serna (Rig Operator). Spinner survey results to be verified by Lucas Bazan. Dakota production results are as follows: 372- MCFPD, 19.4- Bbls water per day, 0-Bbls oil per day. Rig down and released ProTechnics and slickline unit. Rig down flowback assembly. Trip 2 3/8" tubing into well. No fill was made. Rig up air unit to tubing. Start air at 1,200 CFM with 3 BPH foam/mist. Unloaded fluid from well, no sand. Pull 4 joints of tubing to land. Install tubing hanger assembly with BPV. Land hanger into wellhead, lockdown pins secured. Tubing landed at 8,014.71' K.B. Top of 1.81" I.D. F-Nipple at 8,012.97' K.B. Nipple down BOP, nipple up wellhead. Seals tested, BPV removed from hanger. Let well flow up tubing while rigging down completion unit and equipment. Shut in well, location cleaned and secured. Move completion rig off location. Will move associated equipment off location on 3-19-05. Operations completed. Will notify facilities supervisor of completion of services on 3-21-05.