

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.
NMNM012698

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator
CONOCOPHILLIPS COMPANY

Contact: JUANITA FARRELL
E-Mail: juanita.r.farrell@conocophillips.com

7. Unit or CA Agreement Name and No.
NMNM78416E

3. Address P O BOX 2197 WL 6106
HOUSTON, TX 77252

3a. Phone No. (include area code)
Ph: 505.599.3419

8. Lease Name and Well No.
SAN JUAN 29-6 UNIT 221A

4. Location of Well (Report location clearly and in accordance with Federal requirements)

At surface Sec 11 T29N R6W Mer NMP
SWNW 1500FNL 1200FWL

At top prod interval reported below

At total depth

9. API Well No.
30-039-27859-00-S1

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

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

12. County or Parish
RIO ARRIBA

13. State
NM

14. Date Spudded
10/28/2004

15. Date T.D. Reached
11/23/2004

16. Date Completed
☐ D & A ☒ Ready to Prod
12/01/2004

17. Elevations (DF, KB, RT, GL)*
6509 GL

18. Total Depth: MD 3462
TVD 3462

19. Plug Back T.D.: MD 3462
TVD 3462

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
MUDLOG

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	0	227		150		0	7
8.750	7.000 J-55	20.0	0	3144		510		0	45

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	3354							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3148	3370				
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
12/01/2004	11/25/2004	1	→	0.0	615.0	0.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2" PITOT	SI	1.0	→	0	14760	0		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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

DEC 20 2004

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

ELECTRONIC SUBMISSION #51815 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

FARMINGTON FIELD OFFICE
BY *DP*

NMOC

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.)
SOLD

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	1291		NACIMIENTO	1329
NACIMIENTO	1291	2565		OJO ALAMO	2567
OJO ALAMO	2565	2744		KIRTLAND	2717
				FRUITLAND	2989

32. Additional remarks (include plugging procedure):

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

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 #51815 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 12/20/2004 (05AXB0520SE)

Name (please print) JUANITA FARRELL

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/13/2004

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 fraudulent statements or representations as to any matter within its jurisdiction.

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

END OF WELL SCHEMATIC

Well Name: San Juan 29-6 #221A
 API #: 30-039-27859-00-X1
 Location: 1500' FNL & 1200' FWL
Sec. 11 - T29N - R6W
Rio Arriba County, NM
 Elevation: 6509' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Spud: 28-Oct-04
 Spud Time: 20:30
 Release Dri Rig: 1-Nov-04
 Move In Cav Rig: _____
 Release Cav Rig: _____

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

Surface Casing

Date set: 29-Oct-04

☒ New
☐ Used

Size 9 5/8 in
 Set at 227 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 227 ft
 TD of 12-1/4" hole: 237 ft

Notified BLM @ 12:45 hrs on 27-Oct-04
 Notified NMOCD @ 12:45 hrs on 27-Oct-04

Intermediate Casing

Date set: 1-Nov-04

☒ New
☐ Used

Size 7 in 67 jts
 Set at 3144 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 3099 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3144 ft
 Pup @ _____ ft TD of 8-3/4" Hole 3152 ft
 Pup @ _____ ft
 Notified BLM @ 17:00 hrs on 30-Oct-04
 Notified NMOCD @ 17:00 hrs on 30-Oct-04

Surface Cement

Date cmt'd: 29-Oct-04

Lead : 150 sx Class G Cement
 + 2% BWOC S001 CaCl2
 + 0.25 lb/sx D130 Cellophane Flakes
1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 04:45 hrs w/ 330 psi
 Final Circ Press: 95 psi @ 0.8 bpm
 Returns during job: YES
 CMT Returns to surface: 7 bbls
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 8.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 1-Nov-04

Lead : 410 sx Class G Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
2.61cuft/sx, 1070.1 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Class G cement
 + 2% D020 Bentonite
 + 2% S001 Calcium Chloride
 + 5 lb/sx D024 Gilsonite
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
1.27 cuft/sx, 127.0 cuft slurry at 13.5 ppg
 Displacement: 125.0 bbls
 Bumped Plug at: 05:45 hrs w/ 1150 psi
 Final Circ Press: 740 psi @ 2.0 bpm
 Returns during job: Yes
 CMT Returns to surface: 45 bbls
 Floats Held: X Yes ___ No

Schematic prepared by:
 Michael P. Neuschafer Drilling Engineer
 8-November-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 @ 184'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 217', 142', 100', 58'. Total: 4
7" Intermediate	DISPLACED W/ 125 BBLs. FRESH WATER. CENTRALIZERS @ 3134', 3056', 2969', 2883', 2797', 2711', 210', 81', 38'. TURBOLIZERS @ 2668', 2624', 2581', 2538', 2495'. Total: 9 Total: 5

CONOCOPHILLIPS CO

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Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 221A
 Common Well Name: SAN JUAN 29-6 UNIT 221A
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 11/7/2004 Spud Date: 10/28/2004
 Rig Release: End: 11/30/2004
 Rig Number: Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/21/2004	07:00 - 07:30	0.50	MOVE	SFTY	DEMOB	SAFTY MEETING, RIG CREW & TRUCKING.
	07:30 - 09:00	1.50	MOVE	MOB	DEMOB	LOAD EQUIPMENT.
	09:00 - 12:00	3.00	MOVE	MOB	MIRU	MOVE EQUIPMENT TO NEW LOCATION.
	12:00 - 14:00	2.00	MOVE	RURD	MIRU	SPOT IN EQUIPMENT, SPOT IN RIG.
	14:00 - 17:00	3.00	MOVE	RURD	MIRU	RIG UP RIG, START RIGGING UP EQUIPMENT.
11/22/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	SAFTY MEETING.
	07:30 - 14:00	6.50	WELLPR	PRTS	COMPZN	RIGGING UP EQUIPMENT, NIPPLE UP BOPS & BLOOIE LINES, TEST CASING 300 PSI FOR 10 MIN, 1800 PSI FOR 30 MIN, HELD, TEST PIPE & BLIND RAMS, 300 PSI FOR 10 MIN & 1800 PSI FOR 30 MIN, HELD.
11/23/2004	14:00 - 18:00	4.00	RPEQPT	PULD	COMPZN	PICK UP & RUN IN HOLE WITH 6-1/4" BIT,DCS & DP TO 3000', RIG UP SWIVEL & EQUIPMENT, DRAIN PUMP & EQUIPMENT, SHUT DOWN.
	07:00 - 07:30	0.50	RPEQPT	SFTY	COMPZN	SAFETY MEETING, START UP RIG & EQUIPMENT.
	07:30 - 09:00	1.50	RPEQPT	PULD	COMPZN	RIG UP MUD LOGGERS
	09:00 - 19:30	10.50	DRILL	DRLG	COMPZN	DRILL OUT OPEN HOLE FROM 3144' TO 3462', DRILL OUT WITH 1500 CFM AIR/MIST, 6 TO 8 BPH WATER, 1 GAL FOAMER, 1/4 GAL INHIBITOR PER 10 BBLs, CIRCULATING PRESSURE 400 PSI. COAL INTERVALS AS FOLLOWS, 3148'-3452', 3196'-3198', 3214'-3215', 3237'-3245', 3252'-3259', 3344'-3354', 3356'-3360', 3361'-3370', TOTAL OF 44' OF COAL.
	19:30 - 21:30	2.00	DRILL	CIRC	COMPZN	CIRCULATE HOLE CLEAN.
	21:30 - 23:00	1.50	DRILL	CIRC	COMPZN	CUT OFF WATER, DRY UP HOLE, PULL BIT INTO 7" FOR FLOW TEST.
	23:00 - 00:00	1.00	FLOWT	PRDT	COMPZN	FLOW TEST, 15/MIN=4 PSI-1 PETO=615 MCF, 30/MIN=4 PSI-1 PETO=615 MCF, 45/MIN=4 PSI-1 PETO=615 MCF, 60/MIN=4 PSI-1 PETO=615 MCF,
	00:00 - 01:30	1.50	EVALFM	SIPB	COMPZN	SHUT IN FOR PRESSURE BUILD UP, ISIP=8 PSI, 15/MIN=90 PSI, 30/MIN=112 PSI, 45/MIN=120 PSI, 60/MIN=124 PSI, RELEASE PRESSURE AS NATURAL SURGE.
	01:30 - 02:30	1.00	RPEQPT	PULD	COMPZN	RIG DOWN SWIVEL, CHANGE OVER TO POOH.
	02:30 - 05:30	3.00	RPEQPT	PULD	COMPZN	POOH WITH DP & DCS.
11/24/2004	05:30 - 06:00	0.50	RPEQPT	PULD	COMPZN	CHANGE OVER TO RUN UNDER REAMER.
	06:00 - 07:00	1.00	RPEQPT	PULD	COMPZN	CHANGING OVER TO RUN LINER.
	07:00 - 07:30	0.50	RPEQPT	SFTY	COMPZN	CREW CHANGE,SAFETY MEETING.
	07:30 - 10:00	2.50	RPEQPT	PULD	COMPZN	MAKE UP UNDER REAMER, RUN IN HOLE TO 3148', RIG UP SWIVEL.
	10:00 - 19:00	9.00	DRILL	DRLG	COMPZN	UNDER REAM OPEN HOLE FROM 3148' TO 3462' WITH 1500 CFM AIR/MIST, 8 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10BBLs, CIRCULATING PRESSURE 700 PSI.
	19:00 - 20:00	1.00	DRILL	CIRC	COMPZN	CIRCULATE HOLE CLEAN.
	20:00 - 21:30	1.50	DRILL	CIRC	COMPZN	CUT OFF WATER, DRY UP HOLE, PULL BIT INTO 7" FOR FLOW TEST.
	21:30 - 22:30	1.00	FLOWT	PRDT	COMPZN	FLOW TEST, 15/MIN-4 PSI-1PETO=615 MCF, 30/MIN-4 PSI-1PETO=615 MCF, 45/MIN-4 PSI-1PETO=615 MCF, 60/MIN-4 PSI-1PETO=615 MCF
	22:30 - 00:00	1.50	RPEQPT	PULD	COMPZN	POOH & LAY DOWN UNDER REAMER.
	00:00 - 03:00	3.00	RPEQPT	PULD	COMPZN	TIH WITH 6 3/4 BIT TO 3462', NO FILL.
11/25/2004	03:00 - 05:00	2.00	DRILL	CIRC	COMPZN	BLOW WELL AROUND WITH AIR/MIST, UNLOAD APPROX 1/2 BBL OF WATER.
	05:00 - 06:00	1.00	DRILL	CIRC	COMPZN	CUT WATER OFF, DRY UP HOLE.
	06:00 - 07:30	1.50	RPEQPT	PULD	COMPZN	PULL INTO 7", SHUT IN FOR PRESSURE BUILD UP, ISIP=8 PSI, 15/MIN=78 PSI, 30/MIN=104 PSI, 45/MIN=114 PSI, 60/MIN=120 PSI,

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 221A

Common Well Name: SAN JUAN 29-6 UNIT 221A

Event Name: COMPLETION

Contractor Name:

Rig Name:

Start: 11/7/2004

Rig Release:

Rig Number:

Spud Date: 10/28/2004

End: 11/30/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
11/25/2004	06:00 - 07:30	1.50	RPEQPT	PULD	COMPZN	RELEASE AS NATURAL SURGE, CREW CHANGE, SAFTY MEETING.
	07:30 - 09:00	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR PRESSURE BUILD UP, 15/MIN=75 PSI, 30/MIN=104 PSI, 45/MIN=110 PSI, 60/MIN=118 PSI, TURN PRESSURE LOOSE AS NATURAL SURGE.
	09:00 - 10:30	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR PRESSURE BUILD UP, 15/MIN=78 PSI, 30/MIN=104 PSI, 45/MIN=114 PSI, 60/MIN=118 PSI, TURN PRESSURE LOOSE AS NATURAL SURGE.
	10:30 - 12:00	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR PRESSURE BUILD UP, 15/MIN=75 PSI, 30/MIN=105 PSI, 45/MIN=114PSI, 60/MIN=118 PSI, TURN PRESSURE LOOSE AS NATURAL SURGE.
	12:00 - 13:30	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR PRESSURE BUILD UP, 15/MIN=75 PSI, 30/MIN=105 PSI, 45/MIN=115PSI, 60/MIN=120 PSI, TURN PRESSURE LOOSE AS NATURAL SURGE.
	13:30 - 15:00	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR PRESSURE BUILD UP, 15/MIN=79 PSI, 30/MIN=105 PSI, 45/MIN=115PSI, 60/MIN=120 PSI, TURN PRESSURE LOOSE AS NATURAL SURGE.
	15:00 - 16:30	1.50	RPEQPT	PULD	COMPZN	TIH FROM 7", NO FILL, BLOW WELL AROUND WITH AIR/MIST, NO FLUID.
	16:30 - 17:00	0.50	RPEQPT	PULD	COMPZN	PULL BIT INTO 7" FOR FLOW TEST.
	17:00 - 18:00	1.00	FLOWT	PRDT	COMPZN	FLOW TEST, 15/MIN-4 PSI-1 PETO=615 MCF, 30/MIN-4 PSI-1 PETO=615 MCF, 45/MIN-4 PSI-1 PETO=615 MCF, 60/MIN-4 PSI-1 PETO=615 MCF,
	18:00 - 19:00	1.00	EVALFM	SIPB	COMPZN	SHUT IN FOR PRESSURE BUILD UP, ISIP=8 PSI, 15/MIN=75 PSI, 30/MIN=105 PSI, 45/MIN=115, 60/MIN=120 PSI, SHUT IN & SECURE WELL FOR HOLIDAY WEEKEND.
11/30/2004	07:00 - 07:30	0.50	RPEQPT	SFTY	COMPZN	SAFETY MEETING, CHECK PRESSURE, 150 PSI, BLEED OFF PRESSURE
	07:30 - 09:00	1.50	RPEQPT	PULD	COMPZN	TIH FROM SHOE, NO FILL, BLOW WELL AROUND WITH AIR/MIST, RECOVERED APPROX 3 BBLs WATER, BLOW WELL DRY.
	09:00 - 12:00	3.00	RPEQPT	PULD	COMPZN	POOH LAYING DOWN DP & DCS.
	12:00 - 15:00	3.00	RPEQPT	PULD	COMPZN	PICK UP & RUN IN HOLE WITH RE-ENTRY GUIDE, F-NIPPLE, 8 JTS 2-7/8" FL4S, EUE X FL4S CHANGE OVER & 97 JTS OF 2-7/8" EUE TBG, LAND TBG WITH 2.25 F-NIPPLE AT 3354'.
	15:00 - 16:00	1.00	TREBOP	NUND	COMPZN	NIPPLE DOWN BOPS, NIPPLE UP WELL HEAD.
12/1/2004	16:00 - 18:00	2.00	WELLPR	SLKL	COMPZN	RIG UP B&R SLICK LINE, PULL PLUG SET IN F-NIPPLE, RIG DOWN B&R.
	18:00 - 19:00	1.00	SURFEQ	OTHR	COMPZN	SHUT IN SECURE WELL, DRAIN EQUIPMENT.
	07:00 - 07:30	0.50	MOVE	SFTY	DEMOB	SAFETY MEETING.
	07:30 - 17:00	9.50	MOVE	RURD	DEMOB	RIG DOWN EQUIPMENT, RIG DOWN RIG, PREPARE FOR RIG MOVE.