

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**

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMSF080379		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
7. Name of Operator CONOCOPHILLIPS COMPANY			7. Unit or CA Agreement Name and No. NMNM78416A		
Contact: DEBORAH MARBERRY E-Mail: deborah.marberr@conocophillips.com			8. Lease Name and Well No. SJ 29-6 12B		
3. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401			9. API Well No. 30-039-27521-00-S1		
3a. Phone No. (include area code) Ph: 832.486.2326			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
4. Location of Well (Report location clearly and in accordance with Federal requirements) Sec 6 T29N R6W Mer NMP At surface NWNE 717FNL 1975FEL At top prod interval reported below At total depth			11. Sec., T., R., M., or Block and Survey or Area Sec 6 T29N R6W Mer NMP		
14. Date Spudded 11/29/2003			15. Date T.D. Reached 12/09/2003		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 01/22/2004			17. Elevations (DF, KB, RT, GL)* 6840 GL		
18. Total Depth: MD 6263 TVD		19. Plug Back T.D.: MD 6247 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL TDT GR CCL			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	32.0	0	237		150		0	
8.750	7.000 J-55	20.0	0	3382		650		0	
6.250	4.500 J-55	11.0	0	6263		360		3650	

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	5990							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	5582	6032	5582 TO 6032	0.340	34	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5582 TO 6032	FRAC W/65Q SLICK FOAM W/1.0 G/MG FR, 175,000# 20/40 SAND

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
02/23/2004	01/22/2004	24	→	0.0	2300.0	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	
1/2"	365 SI	480.0	→	0	2300	0		PGW	

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
			→						MAR 6 2004
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						FAIRHURST FIELD OFFICE

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

ELECTRONIC SUBMISSION #28402 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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**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.)  
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	1519		NACIMIENTO	1353
NACIMIENTO	1519	2757		OJO ALAMO	2831
OJO ALAMO	2757	2979		KIRTLAND	2969
				FRUITLAND	3427
				PICTURED CLIFFS	3723
				CHACRA	4748
				CLIFF HOUSE	5430
				MENEFEE	5630
				POINT LOOKOUT	5913

## 32. Additional remarks (include plugging procedure):

This well is a producing Blanco Mesaverde single. Attached is the daily summaries and a current wellbore schematic.

## 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 #28402 Verified by the BLM Well Information System.**

**For CONOCOPHILLIPS COMPANY, sent to the Farmington**

**Committed to AFMSS for processing by ADRIENNE GARCIA on 03/05/2004 (04AXG1992SE)**

Name (please print) DEBORAH MARBERRY

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 03/01/2004

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 # 12B

API #: 30-039-27521

Spud: 29-Nov-2003

Release: 9-Dec-2003

RKB TO GROUND LEVEL: 13 FT

ALL DEPTHS ARE FROM RKB

**Surface Casing** Date set: 30-Nov-03

Size 9 5/8 in  
Set at 237 ft # Jnts: 5  
Wt. 32.3 ppf Grade H-40  
Hole Size 12 1/4 in Conn STC  
Wash Out 150 % Csg Shoe 236 ft  
Est. T.O.C. 0 ft TD of surface 237 ft

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Intermediate Casing** Date set: 6-Dec-03

Size 7 in  
Set at 3382 ft # Jnts: 82  
Wt. 20 ppf Grade J-55  
Hole Size 8 3/4 in Conn STC  
Wash Out 150 % Csg Shoe 3382 ft  
Est. T.O.C. SURFACE TD of intermediate 3382 ft

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Production Casing** Date set: 9-Dec-03

Size 4 1/2 in  
Wt. 10.5 ppf Grade: J-55 from 13 to 6263 ft  
Hole Size 6 1/4 in Conn LTC  
Wash Out: 50 % # Jnts: 145  
Est. T.O.C. 3650' from CBL

Marker Jt: 5197.2' - 5237.2'

Marker Jt: \_\_\_\_\_

Marker Jt: \_\_\_\_\_

Top of Float Collar 6217 ft

Csg Shoe 6263 ft

TD 6,263 ft

☒ New  
☐ Used

☒ New  
☐ Used

☒ New  
☐ Used

Trash Cap  
11" 3M x 11" 3M Casing Spool  
9-5/8" 8 RD x 11" 3M Casing Head

**Surface Cmt** Date cmt'd: 30-Nov-03

Lead : 150 sx 50/50 POZ:Standard

+ 2% Bentonite + 3% CaCl<sub>2</sub>

+ 5 lb/sx Gilsonite + 0.25 lb/sx Cello-Flake

+ 0.2 CFR-3, Yield = 1.34 cuft/sx

201 cuft slurry mixed at 13.5 ppg

Displacement: 15.0 bbls Fresh Wtr

Bump Plug: 06:21 hrs w/ 150 psi

Final Circ Pressure : 61 psi @ 1 bpm

Returns during job: Yes

CMT Returns to surface: 8 bbls

Floats Held: No floats run

W.O.C. for 11 hrs (plug bump to test casing)

**Int. Cement** Date cmt'd: 6-Dec-03

Lead : 410 sx Standard Cement

+ 3% Econolite + 10 lb/sx PhenoSeal

2.88 cuft/sx, 1181.0 cuft slurry at 11.5 ppg

Tail: 240 sx 50/50 POZ:Standard Cement

+ 2% Bentonite

+ 6 lb/sx PhenoSeal

1.33 cuft/sx, 319.0 cuft slurry at 13.5 ppg

Displacement: 135 bbls Fresh Wtr

Bumped Plug at: 02:42 hrs w/ 1500 psi

Final Circ Pressure: 1,000 psi @ 2 bpm

Returns during job: Yes

CMT Returns to surface: 135 bbls

Floats Held: X Yes \_\_\_ No

W.O.C. for 9.75 hrs (plug bump to test casing)

**Prod. Cmt** Date cmt'd: 9-Dec-03

360 sx 50/50 POZ:Standard Cement

+ 3% Bentonite + 0.2 % CFR-3

+ 0.1% HR-5 + 0.8% Halad-9

+ 5 lb/sx PhenoSeal

1.45 cuft/ sx, 522.0 cuft slurry at 13.1 ppg

Displacement: 99 bbls 2% KCL water

Bumped Plug at: 16:15 hrs w/ 1000 psi

Final Circ Pressure: 70 psi @ 2 bpm

Returns during job: No (None Planned)

CMT Returns to surface: \_\_\_\_\_

Floats Held: Yes

Mud Wt. @ TD AIR ppg

**COMMENTS:**

Surface: No float equipment run. Ran guide shoe and aluminum baffle plate 1 jt above guide shoe.

Intermediate: Casing was top set above the Fruitland coal to ensure cement to surface

Production: Casing program was slightly changed to allow for running a shoe joint in this well. Because Fruitland coal was not behind intermediate pipe the TOC for the production string is at 3650' according to the CBL (run 12/12/03).

**CENTRALIZERS:**

Surface: Centralizers @ 217', 192', 149', & 105'

Total: 4

Intermediate: Centralizers @ 3361', 3338', 3256', 3173', 3090', 3007', and 202'

Total: 7

Turbolizers @ 2966', 2925', 2883' & 2842'

Total: 5

Production: No centralizers run on production casing

Total: none

# CONOCOPHILLIPS CO

## Operations Summary Report

Page 1 of 2

Legal Well Name: SAN JUAN 29-6 UNIT 012B  
 Common Well Name: SAN JUAN 29-6 UNIT 012B  
 Event Name: COMPLETION  
 Contractor Name: KEY FOUR CORNERS  
 Rig Name: KEY ENERGY

Spud Date: 11/29/2003  
 Start: 12/9/2003 End: 1/22/2004  
 Rig Release: 12/10/2003 Group:  
 Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/12/2003	07:00 - 07:30 07:30 - 08:30 08:30 - 17:00	0.50 1.00 8.50	CM CM LG	c e z	80CMPL 80CMPL 80CMPL	Held safety meeting. Installed csg valves. RU Schlumberger. Pressured up on 4 1/2" csg to 1500 #. Ran CBL log from 6195' to 3400'. Top of cement @ 3650'. Tested 4 1/2" csg to 4300 # for 30 min. Held ok. Ran TDT log from 6195' to 2000'. Ran GR/CCL log from 6195' to surface. SWI. RD Schlumberger.
12/29/2003	07:00 - 07:30 07:30 - 09:00  09:00 - 16:00	0.50 1.50  7.00	CM CM  CM	c q  s	80CMPL 80CMPL  80CMPL	Held safety meeting. RU BLUE JET. Perforated the Mesaverde. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 5582' - 5588' w/ 1/2 spf, 5596' - 5610' w/ 1/2 spf, 5636' - 5646' w/ 1/2 spf, 5990' - 6008' w/ 1/2 spf, 6022' - 6032' w/ 1/2 spf. A total of 34 holes w/ 0.34 dia. Frac the Mesaverde. Tested lines to 5031 #. Set pop off @ 3860 #. Brok down formation @ 4 BPM @ 2500 #. Dropped 26 ball sealers in 1100 gals of 15 % HCL acid @ 1 ball per bbl @ 22 BPM @ 37 #. Good ball action. balled off @ 225 #. RIH w/ junk basket retrived 26 balls. RD Blue Jet. Pumped pre pad @ 33 BPM @ 37 #. SDRT 28 BPM @ 0 #. ISIP 0 #. Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with proppnet for proppant flowback control. 1858 bbls fluid. 2,703,200 SCF N2. Avg rate 55 BPM. Avg psi 2636. Max psi 2686. Max sand cons 1.5 # per gal. ISIP 1468 #. Frac gradient .44. SWI. RD Schlumberger.
1/17/2004	- 07:30 07:30 - 11:30 11:30 - 12:30	 4.00 1.00	MOVE MOVE MOVE	MOB SFTY MOB	MIRU MIRU MIRU	JSA, ROAD RIG TO NEXT LOCATION JSA, BUMP TEST FOR GAS, 0 LEL, SPOT IN RIG AN EQUIPMENT. SHUT DOWN,
1/19/2004	- 07:30 07:30 - 08:00 08:00 - 08:30  08:30 - 14:30	 0.50 0.50  6.00	RIGMNT RIGMNT  RIGMNT	SFTY RURD  SVRG	MIRU MIRU  MIRU	JSA, START RIG BUMP TEST, 0 LEL, WRITE OUT HOT WORK PERMIT, WELD ON PIPE BASKET. RIG UP UNIT, RIG MAINTS, CHANGE OUT COMP. BELTS, RU FLOW LINES, AN PUMP, SECURE WELL SDFN
1/20/2004	- 07:30 07:30 - 08:00 08:00 - 10:30  10:30 - 11:40  11:40 - 12:45  12:45 - 17:00	 0.50 2.50  1.17  1.08  4.25	FLOWT FLOWT  FLOWT  FLOWT  WELCTL	SFTY CIRC  KLWL  SFET  KLWL	COMPZN COMPZN  COMPZN  COMPZN  COMPZN	JSA, SICP 500#, 0# BRADEN HEAD, START RIG OPEN WELL TO PIT ON 1/2" CHOKE NIPPLE, WELL FLOW AT 130#, TWO FLOW LINES TO PIT, FLARING GAS. KILL WELL WITH 40 BBLs OF 2% KCL, RD FRAC VALVE, SET IN TBG HANGER, LOCK IN, SET BPV RU BOP. WELL STARTED FLOWING TO PIT. RU TESTER, BUMP TEST, 0 LEL, TEST BOP, 250# ON LOW, 3000# ON HIGH ON BOTH PIPE AN BLIND RAMS. 3 MIN TEST ON LOW, 10 MINS. ON HIGH, TESTED OKAY. RD TESTER. KILL WELL WITH 30 BBLs. 2% KCL, RIH WITH EXPENDABLE CHECK, F- NIPPLE ( 1.81") AN 171 JOINTS OF 2 3/8" TBG, PU/DRIFT/TALLY IN. WELL FLOWING TO PIT, STAYED KILL FOR 30 MINS. SECURE WELL SDFN.
1/21/2004	- 07:30 07:30 - 08:00 08:00 - 08:30 08:30 - 09:00  09:00 - 10:00 10:00 - 10:30  10:30 - 13:00	 0.50 0.50 0.50  1.00 0.50  2.50	FLOWT FLOWT FLOWT  FLOWT FLOWT  FLOWT	SFTY CIRC TRIP  OTHR CIRC  CIRC	COMPZN COMPZN COMPZN  COMPZN COMPZN  COMPZN	JSA, SICP 500#, START RIG OPEN WELL TO PIT, FLARE, TALLY LAST ROW OT TBG. RIH WITH TBG, TAG FILL WITH THE 197TH JOINT, 6039'. TALLY SHOWS ALL PERFS OPEN, ABOUT 125' OF RAT HOLE HAS SAND. UNLOAD FUEL FOR AIR PACKAGE, START AIR, WARM UP. START AIR, EST. CIRCULATION 500#, RUNNING ABOUT 12 BBLs MIST /HOUR C/O SAND TO PBTD OF 6217', CIR CLEAN.

## Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 012B

Common Well Name: SAN JUAN 29-6 UNIT 012B

Event Name: COMPLETION

Contractor Name: KEY FOUR CORNERS

Rig Name: KEY ENERGY

Spud Date: 11/29/2003

End: 1/22/2004

Start: 12/9/2003

Rig Release: 12/10/2003 Group:

Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
1/21/2004	13:00 - 14:00	1.00	FLOWT	PULD	COMPZN	POOH AN LAY DOWN 8 JOINTS OF TBG, KILL TBG 3 BBLS KCL, REMOVE STRING FLOAT, PUMP OUT EXPENDABLE CHECK, @850#, RU FLOW BACK MANIFOLD.
	14:00 - 17:30	3.50	FLOWT	PRDT	COMPZN	RD AIR UNIT, DRAIN UP, RU FLOW BACK ON 1/2" CHOKE NIPPLE, EOT AT 5980', SI CSG. STARTING FLOW RATE AT 1700MCF, 270# ON TBG, 450# ON CSG, AT 5:30 PM RATE WAS AT 2000 MCK, 330# TBG PRESS, 485" CSG. PRESS. NO SAND VERY LITTLE FLUIDS. WILL DRY WATCH PM AN EARLY AM.
1/22/2004	- 07:30					
	07:30 - 08:00	0.50	FLOWT	SFTY	COMPZN	FLOW WELL 20 HOURS, OBTAIN 4 HOUR STABLE TEST, FLOWING TBG PRESS. 365#, CSG PRESS. 480#, EOT FOR TEST, 5980'. FLOWED THUR 1/2" CHOKE, 0 BBLS WATER, 0 BBLS OF OIL, FLOW RATE 2300 NMCF. DATE 1/22/2004, WITNESS, BY GILBERT BENNETT, KEY ENERGY. DRY WATCH WELL DURING TEST. - JSA, START RIG
	08:00 - 08:30	0.50	WELCTL	OWFF	COMPZN	OPEN UP CSG TO PIT.
	08:30 - 08:55	0.42	WELCTL	KLWL	COMPZN	RU RIG PUMP, KILL TBG WITH 10 BBLS OF 2% KCL, RIH WITH 8 JOINTS OF TBG, TAG UP AT PBTD 6217', NO FILL. POOH WITH 8 JOINTS OF TBG LAY DOWN.
	08:55 - 09:10	0.25	WELCTL	KLWL	COMPZN	RU TO CSG, KILL WELL WITH 30BBLS OF 2% KCL,
	09:10 - 12:15	3.08	WELCTL	NUND	COMPZN	PU TBG HANGER, ADD TO TBG STRING, RIH LAND (BPV IN HANGER), LOCK DOWN, RD FLOOR, RDBOP, RU WH, RECOVER BPV, SI CSG, OPEN TB G TO PIT. PROD. STRING AS FOLLOWED; BOTTOM UP, EXPENDABLE CHECK, F-NIPPLE (1.81") AN 197 JOINTS OF 2 3/8" TBG, ONE 10' SUB ON TOP. EOT AT 5990'. ALL TBG DRIFTED IN HOLE. WELL FLOWING OUP TBG TO PIT, UNLOAD KILL FLUIDS.
	10:15 - 17:00	6.75	MOVE	RURD	DEMOB	RIG DOWN PULLING UNIT AN EQUIPMENT, LOCATION REAL MUDDY. WELL SHUT IN.