

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

2. Name of Operator
CONOCOPHILLIPS COMPANY

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

3a. Phone No. (include area code)
Ph: 832.486.2463

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface Sec 1 T29N R6W Mer NMP
SWNE 2500FNL 1710FEL
At top prod interval reported below
At total depth

5. Lease Serial No.
NMNM012698

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
PHISUIPS.COM

9. API Well No.
30-039-27503-00-S1

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. Sec., T., R., M., or Block and Survey
or Area Sec 1 T29N R6W Mer NMP

12. County or Parish
RIO ARRIBA

13. State
NM

14. Date Spudded
10/15/2004

15. Date T.D. Reached
10/27/2004

16. Date Completed
☐ D & A ☒ Ready to Prod
11/18/2004

17. Elevations (DF, KB, RT, GL)*
6528 GL

18. Total Depth: MD 5888
TVD

19. Plug Back T.D.: MD 5885
TVD

20. Depth Bridge Plug Set: MD
TVD

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

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	235		150		0	
8.750	7.000 J-55	20.0	0	3820		720		0	
6.250	4.500 N-80	11.6	0	5885		240		2840	

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	5666							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	5340	5755	5340 TO 5755	0.340	41	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5340 TO 5755	FRAC'D W/92,274 GAL 65Q SLICKFOAM W/200,000# 16/30 BRADY SAND; 2,757,900 SCF OF N2.

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
11/18/2004	11/16/2004	24	→	0.0	1584.0	4.0			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	SI	240.0	→	0	1584	4		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	
	SI		→						

ACCEPTED FOR RECORD

DEC 08 2004

FARMINGTON FIELD OFFICE
BY *slb*

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

ELECTRONIC SUBMISSION #51650 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

NMCCD

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	1406		NACIMIENTO	1271
NACIMIENTO	1406	2641		OJO ALAMO	2446
OJO ALAMO	2641	2810		KIRTLAND	2654
				FRUITLAND	3039
				PICTURED CLIFFS	3474
				CHACRA	4478
				CLIFF HOUSE	5295
				POINT LOOKOUT	5652

32. Additional remarks (include plugging procedure):

This is a single well producing from the Blanco Mesaverde. Attached are the daily summaries and 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 #51650 Verified by the BLM Well Information System.

For CONOCOPHILLIPS COMPANY, sent to the Farmington

Committed to AFMSS for processing by ADRIENNE BRUMLEY on 12/08/2004 (05AXB0480SE)

Name (please print) CHRIS GUSTARTIS

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/08/2004

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 ****

ConocoPhillips

END OF WELL SCHEMATIC

Well Name: San Juan 29-6 # 17B
 API #: 30-039-27503
 Location: 2500' FNL & 1710' FEL
Sec. 1 - T29N - R6W
Rio Arriba County, NM
 Elevation: 6528' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Spud: 15-Oct-04
 Spud Time: 10:00 AM
 Date TD Reached: 27-Oct-04
 Release Dri Rig: 28-Oct-04
 Release Time: 3:00 AM

Surface Casing Date set: 15-Oct-04
 Size 9 5/8 in
 Set at 235 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 235 ft
 TD of 12-1/4" hole 235 ft

Notified BLM @ 10:00 hrs on 14-Oct-04
 Notified NMOCD @ 10:00 hrs on 14-Oct-04

Intermediate Casing Date set: 24-Oct-04
 Size 7 in # Jnts: 93
 Set at 3820 ft # pups 0
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 % Top of Float Collar 3779 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3820 ft
 Pup @ ft TD of 8-3/4" Hole 3820 ft
 Pup @ ft
 Notified BLM @ hrs on
 Notified NMOCD @ hrs on

Top of good quality cement on 4-1/2" production casing was found at 3060' by Cement Bond Log run 30-Oct-2004 (760' into the lap between the 4-1/2" production casing and the 7" intermediate casing). The cement bond quality drops off above 3060'. The top of ratty cement is approximately 2845' (975' above 7" shoe).

Production Casing: Date set: 27-Oct-04
 Size 4 1/2 in # Jnts:
 Set at 5885 ft # pups
 Wt. 11.6 ppf Grade N-80
 Hole Size 6 1/4 in Conn LTC
 Excess Cmt 50 % Top of Float Collar 5883 ft
 T.O.C. 3060 ft Btm of Csg Shoe 5885 ft
 Marker Jt @ 4894 ft WLM TD of 8-3/4" Hole 5888 ft

Notified BLM @ hrs on
 Notified NMOCD @ hrs on

Fluid inside 4-1/2" casing is 2% KCL Water

Top of Float Collar 5883 ft
 Bottom of Casing Shoe 5885 ft

TD of 8-3/4" hHole: 5888 ft

Surface Cement

Date cmt'd: 15-Oct-04
 Lead: 150 sx Class B Cement
+ 3% Calcium Chloride
+ 0.25 lb/sx Flocele
1.18 cuft/sx, 177.0 cuft slurry at 15.6 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 350 psi @ 18:00 hrs
 Final Circ Press: 110 psi @ 2 bpm
 Returns during job: Yes
 CMT Returns to surface: 10 bbls
 Floats Held: No Floats Run
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 14.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 24-Oct-04
 Lead: 490 sx Class B Cement
+ 3% Econolite
+ 10.00 lb/sx Phenoseal
2.88cuft/sx, 1411.2 cuft slurry at 11.5 ppg
 Tail: 230 sx 50/50 Std.POZ Cement
+ 2% Bentonite
+ 6 lb/sx Phenoseal
1.33 cuft/sx, 305.9 cuft slurry at 13.5 ppg

Displacement: 153 bbls
 Bumped Plug at: 18:00 hrs w/ 1050 psi
 Final Circ Press: 1000 psi
 Returns during job: Yes
 CMT Returns to surface: 40 bbls
 Floats Held: X Yes No

Production Cement

Date cmt'd: 27-Oct-04
 Cement: 240 sx 50/50 Std.POZ Cement
+ 3% Bentonite Gel
+ 3.5 lb/sx Phenoseal
+ 0.20% CFR-3
+ 0.80% Halad®-9
+ 0.1% HR-5
1.45 cuft/sx, 348.0 cuft slurry at 13.1 ppg
 Displacement: 91.2
 Bumped Plug: Yes
 Final Circ Press: 300 psi
 Returns during job: No
 CMT Returns to surface: No
 Floats Held: X Yes No

Schematic prepared by:
 Steven O. Moore, Drilling Engineer
 24-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 @ 193'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 225', 190', 146', 103'. Total: 4
7" Intermediate	DISPLACED W/ 153 BBLs. DRILL WATER. CENTRALIZERS @ (estimated depths) 3810', 3735', 3651', 3564', 3478', 3392', 214', 127', 87'. TURBOLIZERS @ (estimated depths) 2781', 2738', 2695', 2651', 2608', 2565', 2522'. Total: 9 Total: 7
4-1/2" Prod.	No centralizers were run. The cement was pumped in an air hole - therefore there were no returns during cementing. Per our plans we did not circulate cement to surface. We lapped cement inside the 7" casing.

Daily Summary

API/UWI 300392750300	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-29N-06W-01-G	N/S Dist. (ft) 2500.0	N/S Ref. N	E/W Dist. (ft) 1710.0	E/W Ref. E
Ground Elevation (ft) 6528.00	Spud Date 10/15/2004	Rig Release Date 10/28/2004	Latitude (DMS) 36° 45' 18" N	Longitude (DMS) 107° 24' 46.872" W			

Start Date	Ops This Rpt
10/29/2004 00:00	PJSM, RU TBG. HEAD AND LOWER FRAC VALVE.
10/30/2004 00:00	PJSM, RU SCHLUMBERGER WIRELINE AND WOOD GROUP TEST UNIT. RIH W/ CBL /GR/CCL TOOLS. PRESSURE CSG TO 500#. PULL LOG FROM 5854' TO 2650' TOC @ 2840'. POOH PRESSURE TEST CSG TO 4800#. TEST WAS GOOD. RD WOODGROUP. RIH W/ TDT/GR/CCL TOOLS. PULL TDT FROM 5854' TO 3450'. CONTINUE GR/CCL TO SURFACE. RD SCHLUMBERGER. SECURE WELL SDFN.
11/03/2004 00:00	PJSM, CHECK WH FOR VOLTAGE. RU BLUE JET WIRELINE. MU AND RIH W/ 3 1/8" SF GUNS W/ 12g 306T 90°PP CHARGES AND PERFORATE MV AS FOLLOWS: 5340'-5350', 5358'-5364', 5422'-5426', 5444'-5448', 5498'-5502', 5611'-5615', 5664'-5674', 5682'-5686', 5715'-5723', 5747'-5755' ALL SHOT ARE 1/2 SPF FOR A TOTAL OF (41) .34" HOLES. POOH W/ WIRELINE. RD BLUEJET. SECURE WELL SDFN.
11/04/2004 00:00	PJSM. RU SCHLUMBERGER. PRESSURE TEST LINES TO 5000#, SET POP-OFF @ 4500#. OPEN WH, FORMATION B/D @ 1600 #, START @ 40 BPM & 1124#, STEP TO 30 BPM & 184#, SPEAR HEAD 1000 GAL 15% HCL FRAC MESA VERDE W/ 92,274 GAL 65q SLICK FOAM W/ 200,000# 16/30 BRADY SAND. PUMPED PROPNET IN FINAL 1.5# SAND STAGE FOR PROPPANT CONTROL. AV RATE= 65 BPM, AV PSI= 3025#. MAX RATE= 69 BPM, MAX PSI= 3350#. TOT N2= 2,757,900 SCF, FLUID TO RECOVER = 2197 BBL. TAGGED PAD AND SAD STAGES W/ 3 DIFFERENT ISOTOPES. RD SCHLUMBERGER. RU WSI FLOW BACK EQUIPMENT. OPEN WELL ON 14/64" CHOKE @ 1400#.
11/11/2004 07:15	SICP- 425 Psi Hold PJSA meeting. Talked about conducting safe rig move operation. Topics included driving safely, using ground guides, watching for production equipment, first aid, pinch points, lifting safely, tag lines, and other safety topics. Road Key rig #11 to location. Start spotting and rigging up unit and equipment. Wait on the rest of equipment to be trucked to location. Finish rigging up equipment. Secured well and lease. Shutdown operations for the day.
11/12/2004 07:15	SICP- 425 Psi Crew held PJSA meeting on location. Safety topics included first aid, pinch points, tripping hazards, trapped pressure, tag lines, rigging up blooie line safely. Also outlined planned job operations. Rig up 2" flowline with a 1/2" choke. Blowdown well into dirt pit. Kill well with 40 bbls of 2% kcl fluid. Installed bull-plugged tubing hanger, secured lockdown pins. Nipple down frac valve assembly. Nipple up BOP assembly. Rig up Blooie line and cement anchors. Fix fence around pit to keep out livestock. Test BOP blind and pipe rams with a low (300 Psi) and a high (3,000 Psi) test. Tests were successful. Blowdown well thru 1/2" choke. Had to kill well with 30 bbls of 2% kcl fluid to pull bull-plugged tubing hanger. Nipple up new BHA and install new stripping rubber into head. Start into well with 1- .83' x 2 3/8" Mule Shoe with expendable check, 1- .92' x 1.81" I.D. x 2 3/8" F-Nipple, 140 joints of new 2 3/8" tubing. Tallying and drifting per COPC policy. Tubing at 4,400'. Installed TIW valve, closed pipe rams, casing valves. Drained rig pump and all lines. Secured lease. Shutdown operations for the day.
11/15/2004 07:15	SICP- 400 Psi Hold PJSA meeting with crew. Talked about conducting safe operations for the day. Topics included first aid, fall protection, pinch points, tag lines, using tools correctly, and other safety topics. Also outlined planned job operations. Blowdown well into flowback tank. Continue tripping 2 3/8" production tubing into the well. Tagged fill at 5,750' K.B. Rigged up air unit to tubing. Tested air lines to 1,400 Psi. Started air at 1,200 CFM with 3 BPH foam/mist. Cleaned out to 5,854' PBTD. Continued with air and mist to clean up returns. Well was making 3 bbls hour of fluid, no sand. Shutdown air unit. Tripped out 2 3/8" tubing above perms to 5,300'. Installed TIW valve, closed pipe rams, casing valves. Secured lease. Shutdown operations for the day.

Daily Summary

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Ground Elevation (ft) 6528.00	Spud Date 10/15/2004	Rig Release Date 10/28/2004	Latitude (DMS) 36° 45' 18" N	Longitude (DMS) 107° 24' 46.872" W			

Start Date	Ops This Rot
11/16/2004 07:15	<p>SICP- 400 Psi</p> <p>Hold PJSA meeting with crew. Talked about conducting safe operations for the day. Topics included first aid, pinch points, using tools correctly, watching for trapped pressure, fall protection, and other safety topics. Also outlined planned job operations.</p> <p>Blowdown well into flowback tank. Tripped 2 3/8" tubing into the well to tag fill. Tagged at 5,870'. Well did not make any fill overnight. Rigged up air unit to tubing. Started air at 1,200 CFM with 3 BPH foam/mist. Continued with air to dry and reduce any fluid returns. Well making light fluid, with no sand returns.</p> <p>Shutdown air unit. Tripped 2 3/8" tubing to 5,620'. Installed new 1/2" choke into flowback line. Tested Mesa Verde perms (5,340'-5,755') up tubing/casing annulus to atmosphere thru 1/2" choke.</p> <p>SITP- N/A (string float in tubing), FCP Avg.- 240 Psi. (Choke coefficient: 6.6)</p> <p>Preliminary testing indicated Mesa Verde production at 1,584 MCFPD with 4- Bbls water per day, 0- Bbls of Oil per day, with no sand returns. Test was witnessed by Sergio Serna (Rig Operator). Further production testing will be conducted on 11-17-04 by Protechnics Company.</p> <p>Shutdown testing, tripped 2 3/8" tubing above the perms to 5,150'. Drained all lines of fluid. Installed TIW valve, closed pipe rams, casing valves. Secured lease.</p> <p>Shutdown operations for the day.</p>
11/17/2004 07:15	<p>SICP- 380 Psi</p> <p>Hold PJSA meeting on location. Talked about conducting safe operations for the day. Also outlined planned job procedures. Safety topics included first aid, pinch points, fall protection, using tools correctly, trip hazards, watching for trapped pressure, watching out for each other, and other general safety subjects.</p> <p>Blowdown well into flowback pit. Tripped 2 3/8" tubing into well to tag fill. Tagged at 5,870'. No fill made overnight. Rigged up air unit to tubing to pump out expendable check. Start with 2 Bbls of 2% kcl water ahead, follow with 3 Bbls of 2% kcl water, started air at 1,200 CFM with 3 BPH foam/mist. Tested tubing at 1,000 Psi. Pumped out check at 1,200 Psi surface. Continued with air to clean and dry returns. Shutdown air unit.</p> <p>Tripped 2 3/8" tubing to 5,150' to test. Rigged up TIW valve and swabbing head tee. Rigged up flowline off of tubing with a new 1/2" choke. Flowed well up tubing until Protechnics and wireline unit arrived on location. Rigged up wireline unit and tools. Slickline tripped into well and tagged fill at 5,870'. Installed spinner survey and logging tools.</p> <p>Flow tested the Mesa Verde perms (5,340'- 5,755') thru the spinner survey tools up the tubing to atmosphere thru a new 1/2" choke at surface (Choke coefficient: 6.6). SICP Avg.- 305 Psi. FTP Avg.- 160 Psi. Also ran a after-frac log. Testing was witnessed by Sergio Serna (Rig Operator).</p> <p>Test results will be reported after verification by production engineer (Lucas Bazan).</p> <p>Rigged down Protechnics tools and wireline unit. Closed TIW valve on tubing, closed pipe rams, casing valves. Secured lease.</p> <p>Shutdown operations for the day.</p>
11/18/2004 07:15	<p>FINAL REPORT</p> <p>SICP- 360 Psi SITP- 360 Psi</p> <p>Hold PJSA meeting with crew. Talked about conducting safe operations for the day. Topics included first aid, fall protection, pinch points, tag lines, using tools correctly, and other safety topics. Also outlined planned job operations.</p> <p>Blowdown well into flowback pit. Kill tubing with 4 bbls of 2% kcl water. Tripped 2 3/8" tubing into well to land. Installed tubing hanger with BPV installed. Landed tubing hanger into wellhead. Secured lockdown pins.</p> <p>Tubing landed at 5,666.11' K.B. Top of F-Nipple at 5,664.36' K.B. Nipped down BOP assembly, nipped up wellhead assembly. Rigged up Wood Group to test seals in well head. Tested to 5,000 Psi. Pulled BPV from hanger with lubricator.</p> <p>Flowed tubing and casing to pit while crew rigged down unit and all equipment</p> <p>Notified Facilities (Lino Hernandez) of completion of operations.</p> <p>Closed in well. Cleaned and secured lease. All equipment off location</p>