

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 2005 NOV 10 03 10 20
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.,
Other RECEIVED

2. Name of Operator
ConocoPhillips Co.

3. Address
P.O. Box 2197, WL3-6085 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 21 T30N R5W SWNE 1740FNL 1840FEL

At top prod. interval reported below

At total depth

5. Lease Serial No.
NMSF078739

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
NMNM78419A

8. Lease Name and Well No.

San Juan 30-5 Unit #62

9. API Well No.

30-039-21494.52

10. Field and Pool, or Exploratory
Gobernador Pictured Cliffs

11. Sec., T., R., M., on Block and
Survey or Area Sec 21 T30N R5W

12. County or Parish
Rio Arriba

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
6409' GL

14. Date Spudded
04/10/1977

15. Date T.D. Reached
10/18/1977

16. Date Completed
☐ D & A ☒ Ready to Prod.
11/01/2005

18. Total Depth: MD 5768
TVD

19. Plug Back T.D.: MD 5724
TVD

20. Depth Bridge Plug Set: MD 3455
TVD

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

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 K55	36	0	199				0	
8.75	7 K55	20	0	3660				0 22.50	
6.25	4.5 K55	10.5	0	5768				2250	

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	3334							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Gobernador Pictured	3201'	3353'	3201' - 3353'	.34	49	Open
B) Cliffs						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3201' - 3353'	Frac'd w/70 Q ClearFrac LT; 200,000# 20/40 Ottawa sand; 2,048,000 SCF N2 & 1547 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
11/1/05	11/1/05	24	→	0	1300	108			Flows from Well
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	200	400	→					GSI	

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)

ACCEPTED FOR RECORD

NOV 14 2005

FARMINGTON FIELD OFFICE
BY MAJ

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	1368
				Ojo Alamo	2550
				Kirtland	2655
				Fruitland	2915
				Pictured Cliff	3198
				Chacra	4450
				Cliffhouse	5112
				Menefee	5332
				Pt Lookout	5528

32. Additional remarks (include plugging procedure):

This well originally produced from the Blanco Mesaverde. We have recompleted to the Gobernador Pictured Cliffs with the intent to downhole commingle these two zones in approximately 6 months. Due to high pressure and high rates from the Gobernador Pictured Cliffs, the production engineer has decided to leave the retrievable bridge plug set @ 3478' with a 10' sand plug in the well until the PC rates and pressures come down. In the spring, ConocoPhillips will drill out the bridge plug and DHC the well with production from the Blanco Mesaverde and Gobernador Pictured Cliffs.

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 Gustartis Title Regulatory Specialist

Signature Chris Gustartis Date 11/09/2005

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.

Re-Completion, 04/18/2005 12:00

API/Bottom UWI	County	State/Province	Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
300392149400	RIO ARRIBA	NEW MEXICO	NMPM-30N-05W-21-G	1,740.16	N	1,839.89	E
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,409.00	0° 0' 0" N	0° 0' 0" E	04/10/1977	10/18/1977			

04/18/2005 00:00 - 04/18/2005 17:00

Last 24hr Summary

Lay down Derrick, Prepare to move. Pick up & move all equipment to San Juan 30-5 #62. Spot all equipment; Raise & secure Derrick; Lay out & secure Flowback lines. SIFN.

04/19/2005 00:00 - 04/19/2005 17:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Slickline; Nippling up/down; Pressure testing BOP's; TOH/TH; Run RBP; Test casing; Dump sand). Run in hole w/ slickline & catch plunger spring (100' high). POOH & rig down S/L. Kill tubing w/ 20 bbl; ND Well head; install BPV (Wood Group); NU BOP's; Pressure test BOP's to: 300 psi low, 1800 psi high, Pipes & Blinds - All Good. LD BPV; Send tubing hanger in to town for inspection & refurbish; Release Wood Group. TOH w/ production string. Inspect, strap, & tally tubing: 188 jts. = 5615.01' Eat. Kill well w/ 30 bbl; PU & TH w/ 7" RBP (Halliburton). Set @ 3455'. (Tagged liner @ 3485' - 30' too high). Circulate well w/ 2% KCL - 145 bbl. Pressure test casing to 700 psi. - Good. Dump 5 sacks 20-40 sand on Bridge plug. Secure well; Drain up; SIFN.

04/20/2005 00:00 - 04/20/2005 15:30

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Wireline; Nippling up/down; check pressure; Trip pipe). Bradenhead pressure = 45 psi. TOH w/ setting tool for BV RBP. Lay down overshot, fill hole. RU wireline; RIH & tag sand @ 3468'; Log out w/ CBL, TOC = 2250', w/ occasional bridges to 450'. Waiting on orders re: Bradenhead repair, or No. Cancel Squeeze; Release & rig down W/L truck; Release Toolman; Secure well; SIFN.

04/21/2005 00:00 - 04/21/2005 16:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Test Casing w/ Isolation tool; Nippling up/down; check pressure; Trip pipe). Stinger on location; discuss pjsa; spot equipment; install cups; Pressure test casing to 3000 psi - Good; RD Stinger. Wait on Pipe Trailer - (RIH w/ 1/2 the string in preparation for laying down tubing). Spot pipe trailer & prepare for LD tubing. Secure well; Pick up tools; Drain up; SIFN.

04/22/2005 00:00 - 04/22/2005 16:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Nippling up/down; check pressure; Lay down pipe; Rig down Service Unit). Lay down tubing. Trip in w/ remaining tubing. Lay down remaining tubing. ND BOP's; NU Wellhead; Secure well; Rack up all flow lines; Lay down derrick; Rig down all equipment in preparation to move. Secure wellsite; Pick up trash; load Doghouse; SIFN. Head in til Tuesday to allow Federal #16 to be Frac'd Monday, 4/25.

04/25/2005 00:00 - 04/23/2005 16:00

Last 24hr Summary

Wait on roads to dry. Run out roads to Hamilton 2A & 1A. Rig on Standby.

04/26/2005 00:00 - 04/24/2005 16:00

Last 24hr Summary

Ran roads out - will attempt move in A.M.

10/04/2005 16:00 - 10/04/2005 08:00

Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the Pictured Cliffs. RIH w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 3201' - 3249' w/ 1/2 spf, 3257' - 3279' w/ 1/2 spf, 3331' - 3353' w/ 1/2 spf. A total of 49 holes w/ 0.34 dia. SWI. RD Computalog.

10/06/2005 10:00 - 10/06/2005 17:00

Last 24hr Summary

Held safety meeting. RU Schlumberger & Isolation tool. Frac'd the Pictured Cliffs. Tested lines to 4000 #. Set pop off @ 2700 #. Broke down formation @ 3 bpm @ 1704 #. Pumped pre pad @ 23 bpm @ 1112 #. Stepped down rate to 18 bpm @ 1190 #. Stepped down rate to 14 bpm @ 1040 #. Stepped down rate to 9 bpm @ 789 #. ISIP 554 #. 5 min 490 #. 10 min 474 #. 15 min 455 #. 20 min 441 #. 25 min 428 #. 30 min 419 #. Pumped 1000 gals of 15% HCL acid @ 7 bpm @ 900 #. Frac'd the Pictured Cliffs w/ 70 Q ClearFrac LT 200,000 # 20/40 Ottawa sand, Treated the last 15% of proppant volume with proppnet for proppant flowback control, 2,048,000 SCF N2 & 1547 bbls fluid. Avg rate 65 bpm. Avg pressure 2269 #. Max pressure 2291 #. Max sand cons 2 # per gal. ISIP 1662 #. Frac gradient .61. SWI. RD Schlumberger & Isolation tool. Started flowback.

10/24/2005 07:00 - 10/24/2005 17:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Nippling up/down; check pressure; Spot equipment; Rig up Service Unit). Pick up all equipment; Pick up mat boards; inspect rig. Road rig to San Juan 30-5 #62. MIRU Service Unit. Spot all equipment & air package. Check pressure (1270 psi) and blow down. Strap & Tally top row of tubing. Casing still strong - blew down on 1/2" choke from 1270 psi to 940 psi after 3 hours; change choke to 3/4" and continued to quitting time, blew down to 600 psi. Secure well; lock up equipment; SIFN.

10/25/2005 07:00 - 10/25/2005 17:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (Nippling up/down; check pressure; Test BOP's; PU tubing). Blow down casing; Lay additional 3" line. With 1/2" choke & 3/4" choke, Psi stable @ 450 psi.. Open 1/2" choke side to full open 2", leave 3/4" the same. 450 psi. Still coming down; Making lots of water; Psi stable @ 180 psi. Kill w/ 50 bbl to stab hanger & nipple up. Land plugged tubing hanger & lock down; ND Frac Tree; NU BOP's; Move flowback lines down. Test BOP's low & high - good; Test Pipes low, ring gasket starting to leak, ND BOP's & replace ring gasket, try again; Test pipes low & high - good. Secure chart & place in file. Rig down test equipment. SD ops for Jemez Electric to disable transformer on power lines in close proximity to clean out pit. RU floor; Kill w/ 90 bbl; Pull hanger; RU flow lines to upper clean out spool. Secure well; lock rams; SIFN.

10/26/2005 06:00 - 10/26/2005 18:00

Last 24hr Summary

Met w/ crew @ Best Western for Quarterly Safety Breakfast. Held meeting w/ crew. Discussed possible hazards & how to avoid them - (check pressure; Kill well; PU tubing; RIH). Blow down casing (1100 psi) MU string float; Prepare floor & float for PU tubing; Kill well w/ 60 bbl. Pick up string float & start in hole - well kicking, lock rams & blow down again. Well coming in hard; flow back; Lay 2" line from flowback to rig pit; Took 200 bbl to flowback tank; equalize to pit; lay extra line to reserve pit. Kill well again w/ 100 bbl. TIH picking up tubing; 79 joints. Haul off 80 bbl & transfer 120 to pit. Secure well; install TIW; Lock rams; SIFN.

10/27/2005 07:00 - 10/27/2005 18:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (check pressure; PU tubing; RIH; Unload water w/ air). Blow down casing (1000 psi). Continue in hole w/ tubing. 109 jts. (2 jts. below PC) and no tag. Rig up Chiksan, Test air lines. Unload well w/ air; Alternate 1/2 hour unload with 1 hour flowback: made approximately 400 bbl. Secure well; Lock rams; SIFN.

10/28/2005 07:00 - 10/28/2005 18:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (check pressure; Unload water w/ air). Blow down casing (1020 psi). Alternate Flowing & Blowing around w/ air. Made 143 bbl in 8 hours = 17.87bbl/hr = 430 bbl/day. Pull above perfs; Lock rams; Secure well site; SIFN.

10/31/2005 07:00 - 10/31/2005 17:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (check pressure; Unload water w/ air; round trip tubing; flow test). Blow down casing - 1040 psi. TOH w/ tubing. Kill w/ 90 bbl; remove string float & install 1.78 'F' nipple w/ 1/2 muleshoe; Trip back in w/ tubing - drifting all pipe to 1.901". EOT @ 3325'; well unloading; Unload w/ air. 90 bbl back; install TIW; Shut in & lay out flow back iron w/ 1/2" choke.

Begin flowing back on 1/2" choke: casing - 540 psi tubing - 480 psi

At 16:30: casing - 458 psi tubing - 262 psi Water @ avg. 5.89 bbl/hr = 141 bbl/day

Turn over to flowback crew; Secure well site; drain pumps.

11/01/2005 09:00 - 11/01/2005 17:00

Last 24hr Summary

Held meeting w/ crew. Discussed possible hazards & how to avoid them - (check pressure/flow test; Lay down 4 joints; Land tubing; ND BOP's; NU well head; Rig Down). Secure flow test: Results for C104 Allocation are as follow:

Casing - 400 psi Tubing - 200 psi (1.3 MMCF on 1/2" choke) 0 BOPD 108 BWPD

Blow down; Call in results & WOO.

RIH & LD 4 joints; install tubing hanger; Land tubing:

106 joints 2 3/8" eue EOT @ 3334' Top 1.78" F Profile Nipple @ 3333' 1/2 Mule Shoe bottom

ND BOP's; NU Well head; continue to flow casing while rigging down & racking up iron & equipment skids; Lay down derrick; prepare to move in a.m.

Secure well; Lock up tools; drain pumps & lines; SIFN.