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. NMSF078215B

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. ~~NMNM86297~~

2. Name of Operator CONOCOPHILLIPS COMPANY
Contact: CHRIS GUSTARTIS
E-Mail: CHRISTINA.GUSTARTIS@CONOCOPHILLIPS.COM

8. Lease Name and Well No. PRIMO COM 1B Primo Well 1B

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. 30-045-29374-00-C2

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface SENW 1571FNL 1779FWL 36.93031 N Lat, 107.92600 W Lon
Sec 6 T31N R10W Mer NMP
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory BASIN FRUITLAND COAL

11. Sec., T., R., M., or Block and Survey or Area Sec 6 T31N R10W Mer NMP

12. County or Parish SAN JUAN
13. State NM

14. Date Spudded 06/14/1996
15. Date T.D. Reached 06/24/1996
16. Date Completed ☐ D & A ☒ Ready to Prod. 01/19/2005
17. Elevations (DF, KB, RT, GL)* 5914 GL

18. Total Depth: MD 5380 TVD
19. Plug Back T.D.: MD 5324 TVD
20. Depth Bridge Plug Set: MD TVD

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

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 K-55	36.0	0	284		135		0	
8.750	7.000 K-55	23.0	0	2994		430		0	
6.250	4.500 K-55	10.5	0	5367		310		0	

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	4912							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	FRUITLAND COAL	2409	2669	2409 TO 2669	0.340	46	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
2409 TO 2669	FRAC'D W/20# DELTA FRAC 140 W/WC SW; 200,000 16/30 BRADY SAND & 3157 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
01/19/2005	01/12/2005	24	→	0.0	420.0	12.0			OTHER
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
1/2	52	260.0	→	0	420	12		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**	
			→						

ACCEPTED FOR RECORD
FEB 04 2005
FARMINGTON FIELD OFFICE
BY

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

ELECTRONIC SUBMISSION #53230 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
MESAVERDE				MESAVERDE	
				OJO ALAMO	916
				KIRTLAND	1084
				FRUITLAND	2238
				PICTURED CLIFFS	2690
				LEWIS	2866
				CHACRA	3415
				MENEFEE	4554
				POINT LOOKOUT	4885

32. Additional remarks (include plugging procedure):
This well was originally completed to the Blanco Mesaverde. We recompleted it to the Basin Fruitland Coal and this well is now downhole commingled with the Basin Fruitland Coal and Blanco Mesaverde. Daily summary of the recompletion 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 #53230 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by MATTHEW HALBERT on 02/04/2005 (05MXH0376SE)

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

Signature (Electronic Submission) Date 01/20/2005

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 ****

PRIMO 1B — Pay Add

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300452937400	SAN JUAN	NEW MEXICO	NMPM-31N-10W-6-F	1571.0	N	1779.0	W

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
5914.00	06/14/1996			

Start Date	Ops This Rpt
12/03/2004 09:30	Pick up & move off San Juan 32-7 #68 and road to Primo #1B. Move in and spot all equipment; raise & secure derrick; lay all flowlines. Secure well & SIFN.
12/06/2004 07:00	Held pre-job safety meeting w/ crew to discuss possible hazards & how to avoid them (rigging up; testing BOP's; tripping pipe). Blow down casing & tubing - 90 psi ea. Wait on Wood Group. Kill tubing w/ 15 bbl; ND wellhead; install 2-way check; NU BOP's. Pull Tubing Hanger; Install Stripping Rubber; TOH - strap & tally. Make up Bit & Scraper; Install float in bit sub; TIH Scrape extra across 2800' & 4000'. TOH w/ bit & scraper. Lay down bit & scraper. Move flow back line up to clean out X. Secure wellhead; drain pumps & lines; SIFN.
12/07/2004 07:00	Held pre-job safety meeting w/ Wireline crew to discuss possible hazards & how to avoid them (rigging up; setting plug; logging; perforating). Wait on Rig Crew (monthly safety meeting). Held pre-job safety meeting w/ Rig Crew, Wireline crew to discuss possible hazards & how to avoid them (rigging up; setting plug; logging; perforating; tripping pipe; pressure testing). Rig up wireline. Blow down casing: 75 psi. PU 4 1/2" Fasdrill Bridge Plug on Baker 10 & RIH. Set Plug @ 3980' & rig down wireline. TIH open-ended to BP & circulate hole; Psi test to 500 psi (Good); Dump 1 sack sand; TOH. PU Logging Tool & RIH W/ CCL, GR, CBL. Log across 4 1/2" X 7" shoe. Cement tapers off from collar @ 2770' down to good bond @ 2890'. Prepare Squeeze Gun for 3 holes @ 2750'. PU Squeeze Gun w/ 3 shots phased @ 120 degrees. RIH & Shoot 2750'. TOH & rig down wireline. Attempt to circulate intermediate annulus - got good clean returns. Secure well; Drain up; SIFN.
12/08/2004 07:00	Held pre-job safety meeting w/ Rig Crew, to discuss possible hazards & how to avoid them (rigging up for cement job; Cement job; pressure testing). L&R dig pit & line; Set packer at 2401'; Lay out return lines; test packer to 500 psi - good. Cement crew on loc. MIRU. Held pre-job safety meeting w/ Rig Crew, Cement crew, toolman, water hauler - to discuss possible hazards & how to avoid them (rigging up for cement job; Cement job; pressure testing). Pressure test pumps & lines - fix all leaks - to 3500 psi: all good. Pump 10 bbl H2O ahead w/ dye; Mix & pump 300 sacks Class B w/ 2% CaCl & 2% Gel; circulate 15 bbl good cmt slurry to pit; Shut in w/ 900 psi on tubing. Wash up Rack up & SIFN.
12/09/2004 07:00	Held pre-job safety meeting w/ Rig Crew, Cement crew, toolman, water hauler - to discuss possible hazards & how to avoid them (rigging up to drill cement; tripping; pressure testing). Release RTTS & TOH. LD RTTS; PU Bit; TIH. Tag @ 2625'; LD 6 jts to drill with; PU Swivel; Hook up pump & lines. Drill out 125' plus stringers; pump off drill water. Test Squeeze to 600 psi - Good. TOH w/ bit & PU Scraper; TIH w/ scraper & all pipe. Secure well; Drain up; SIFN.
12/10/2004 07:00	Held pre-job safety meeting w/ Rig Crew, Cement crew, toolman, water hauler - to discuss possible hazards & how to avoid them (laying down tubing; nippling up Frac Stac; pressure testing). Circulate clean 2% KCL from 2800'. Continue tripping in and laying down until all pipe is on trailer. MIRU Blue jet; RIH & set Fasdrill bridge plug @ 2737'; Dump bail 10' sand on top of BP; RD Blue Jet. ND BOP's; NU Frac Valve & Spool; NU Stinger. Pressure Test Frac Stack w/ Stinger & Wood Group. Tested to 4500 & lost 300 psi in 30 minutes; Casing appeared to be holding well because the small leak off was visible at the casing valve; Suspect poor cup seat or mandrel leak. Stinger will bring longer stroke tool & bigger cups. OK'd test. Rig Down, Prepare to move. SIFN.
12/15/2004 07:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE FRUITLAND COAL. RIH W/ 3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 2409' - 2411' W/ 2 SPF, 2432' - 2434' W/ 2 SPF, 2650' - 2669' W/ 2 SPF. A TOTAL OF 46 HOLES @ 0.34 DIA. SWI. RD BLUE JET
12/17/2004 10:00	Held safety meeting. Ru Halliburton. Frac the Fruitland Coal. Tested lines to 5395 #. Set pop off @ 3800 #. Broke down formation @ 5 BPM @ 1328 #. Pumped 1000 gals of 10% formic acid @ 5 BPM @ 2037 #. Pumped 25 # Delta frac 140 in Pad w/ 4000 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Fruitland Coal w/ 20 # Delta frac 140 w/ WC SW. 200,000 16/30 Brady sand & 3157 bbls fluid. Avg rate 47 BPM. Avg pressure 2848 #. Max pressure 3748 #. Max sand cons 3 # per gal. ISIP 2839 #. Frac gradient 1. SWI. RD Halliburton.
01/06/2005 07:00	Continue out to Porkchop w/ rig & equipment. Stopped crew on top of Pass; Held safety meeting to discuss the way down, especially the north switchback. Also removing chains & the hazards attendant to that job. Continued down Pork Chop & on to location. Move in & Rig up Service unit & spot all equipment. Rig up. ND Frac Tree; NU BOP's. Install tubing hanger w/ bull plug for test. Lay out 2 3/8" flowback lines w/mufflers to pit. Secure w/ blocks. SIFN.
01/07/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Rigging up; Picking up tubing; Unload well w/ N2 unloading). Rig up and Test BOP's w/ Wood Group: Replace Blinds; test 500 low & 2000 high, both pipes & blinds - all good. PU & RIH w/ 2 3/8 tbg. & 3 7/8 junk mill. Tag sand @ 2400'. Rig up to air. Unload w/ air. 45 psi X 2 2" lines. Let flow to blow down N2. Making sand - wash down 1 joint - back off & let flow more. Making 65 psi X 2 2" lines. Dry up air unit, bottoms up; Pump kill & pull 5 stands; Blow down all pumps & lines 'til dry; Secure well & SIFN.
01/10/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Normal ops; clean out; drill plug). Blow down casing: 300 psi. TIH & tag @ 2630'. Rig up air. Clean out sand to 2737'. Blow dry. Pull 10 stands & let flow naturally. Trip back in & drill out plug @ 2737' above squeeze. Continue to blow dry. Stand back swivel; Pull 10 stands. Drain up pumps & lines; Secure well; SIFN.
01/11/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Normal ops; unload water; flow back). Blow down casing - 120 psi. Trip back in to below FC perfs (2780'). Blow dry - no mist. Making 2-4 bbl/hour (48 - 96 bbl/day). Down to less than 2 bbl/hour at the end. Pump 2 sweeps, let dry up. Put on 1/2" choke for 1 hour: start at 52 psi end at 36 psi (>300 MCFD). Pump a sweep to clean up any sand. Pull 10 stands. Secure well; drain pumps & lines; SIFN.

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Start Date	Ops This Rpt
01/12/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Severe Ice & Snow - stay out of Derrick; Normal ops; unload water; flow back). Casing 260 psi - blow down then put to flow test: 1/2" choke @ 52 psi. (420 MCFD) Flow 3.5 hours... 1/2" choke @ 12 psi (169 MCFD) TIH 5 stands to 2406' & unload hole; then flow natural; then unload, etc.: Making <1/2 bbl/hour of produced water. TOH; LD Mill & float sub; TIH open ended to 625'. Prepare for Pressure survey in A.M. Secure well; drain pumps & lines; SIFN.
01/13/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Frozen ruts on loc. - insecure footing; Normal ops; rig up slickline; unload well). Rig up Expert Slickline. Start bottomhole pressure survey. Abort PSI Survey - discovered well had been blown down and was flowing to flowback tank. Pull gas sample at casing valve & deliver to Lab. TIH to FC & continue to flowback & unload w/ air. Recovered 13 bbl additional fluid. TOH to 625' & prepare for another pressure survey in A.M. Secure well; Drain pumps & lines; SIFN.
01/14/2005 06:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Frozen ruts on loc. - insecure footing; Normal ops; rig up slickline; unload well). Check SIP - 190 psi; Unload tubing trailer, 20 joints. Pressure Survey w/ Slickline: 249 psi @ 2650', 248 psi @ 2550'. Secure W/L, Blow down well; 10 bbl kill; TOH. PU Junk Mill & Float Sub; TIH to 3681'; unload w/ air; Continue in to tag 3952'. TOH to 2406', top of FC. Secure well; Drain pumps & lines; SIFN.
01/17/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Frozen ruts in morning on loc., Mud in afternoon - insecure footing; Normal ops; Drill Plug; unload well). Blow down casing: 160 psi. Trip back in to MV plug @ 3980'. Swivel up & Start air. Unload hole & Drill out plug. Losing good returns; TIH to chase plug & get below fluid. Tag plug on fill @ 5275. Swivel up & Start air. Drill & Clean out to PBTD @ 5324'. Chase w/ 2 sweeps. LD Swivel & TOH to 2400'. Secure well; drain pumps & lines; SIFN.
01/18/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Frozen ruts in morning on loc., Mud in afternoon - insecure footing; Normal ops; Drift tubing; Nipple up/down). Blow down casing: 120 psi. Continue TOH w/junk mill. Strap, tally, PU & run tubing w/ 1.78" 'F' nipple & expendable check. Drifting all joints w/ 1.901" bar. Bottom 80 joints have turned down collars. Also trip in & lay down bottom 1/2 of old string. Drift in w/ top half of old string. Land Tubing: 157 joints 2 3/8" EUE w/ 1.78" F nipple (bottom 80 jts. have turned down collars) End of Tubing @ 4912.29' Top of 1.78" 'F' Profile Nipple @ 4910.55' Pump out check @ 500 psi; unload hole w/air then continue to blow down for 1 hour. Rack up rig & all equipment. Secure well & SIFN.
01/19/2005 07:00	Held pre-job safety meeting w/ crew: discussed possible hazards & how to avoid them (Frozen ruts in morning on loc; Rig Move - trucks on location; Traffic during move; Buddy system when racking up). Let trucks load first; Lower the derrick; tie in well head; pick up trash; Move off.