

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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
5525 Highway 64 Farmington NM 87401

3.a. Phone No. (Include area code)
(505)599-3419

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

At Surface 1434 FSL & 602 FWL SENW SEC 18 T31N R7W

At top prod. interval reported below

At total depth 2800 FSL & 715 FWL SWNW SEC 18 T31N R7W

14. Date Spudded

10/07/2005

15. Date T.D. Reached

10/29/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.
11/23/2005

18. Total Depth: MD 3995
TVD 3557

19. Plug Back T.D.: MD 3992
TVD 3554

20. Depth Bridge Plug Set: MD
TVD

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

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	9.625H-40	32.3	0	233		150		0	15 bbl
8.75	7.0 J-55	23.0	0	3581		570		0	100 bbl
6.25	5.5 Liner	15.5	3542	3995		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	3957							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	3603	3905	3603-3905	.75	212	Open
B)						
C)						
D)						

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

Depth Interval: 3603-3905
Amount and Type of Material
Underreamed 6.25" hole to 9.5" from 3585'-3995'.

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
11/23/05	11/22/05	1	→	0	1750	1 bbl			Gas Pumping Unit
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot	SI n/a	32 psi	→					Shut-in	ACCEPTED FOR RECORD

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 page 2)

5. Lease Serial No.
SF078998

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

SAN JUAN 32-7 UNIT 227A

9. API Well No.

30-045-33102

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and

Survey or Area Sec: 18 Twn: 31N

12. County or Parish

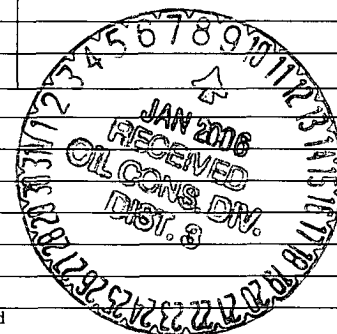
SAN JUAN

13. State

NM

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

6604 GL



ACCEPTED FOR RECORD

DEC 30 2005

FARMINGTON FIELD OFFICE
BY AB

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 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	1197
				Ojo Alamo	2367
				Kirtland	2477
				Fruitland	3117
				Top Coal MD	3603
				B Main Coal MD	3700
				PC Tongue MD	3802
				B Lowest Coal MD	3905
				Top PCCF MD	3910

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.

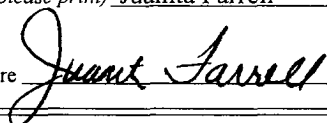
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ 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) Juanita FarrellTitle Regulatory Analyst

Signature

Date 12/09/2005

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.

END OF WELL SCHEMATIC

ConocoPhillips

Well Name: San Juan 32-7 #227A
 API #: 30-045-33102
 Location: 1434' FSL & 602' FWL
 Sec. 18 - T31N - R7W
 San Juan County, NM
 Elevation: 6604' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods & pump
 7-1/16" 3M x 2-3/8" EUE 8rd Bonnet
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

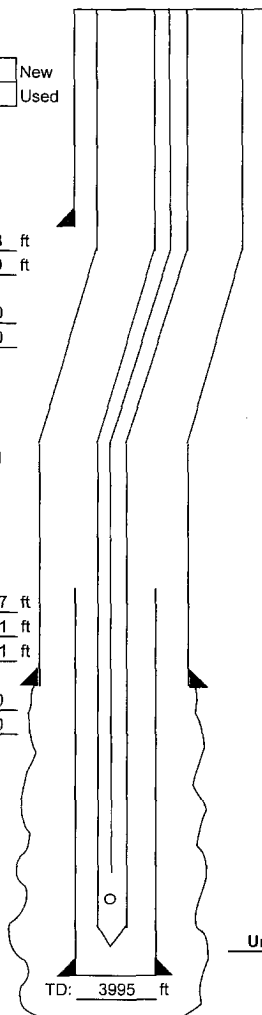
Patterson Rig: #747
 Spud: 7-Oct-05
 Spud Time: 11:30
 Release Drl Rig: 15-Oct-05
 Time Release Rig: 12:00
 Move In Cav Rig: 10/27/2005
 Release Cav Rig: 11/23/2005

Surface Casing Date set: 7-Oct-05
 Size 9 5/8 in
 Set at 233 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 233 ft
 TD of 12-1/4" hole 240 ft

Notified BLM @ 0:00 hrs on 00-Jan-00
 Notified NMOCD @ 0:00 hrs on 00-Jan-00

Intermediate Casing Date set: 14-Oct-05
 Size 7 in 84 jts
 Set at 3581 ft 0 pups
 Wt. 23 ppf Grade J-55
 Hole Size 8 3/4 in Conn LTC
 Excess Cmt 160 % Top of Float Collar 3527 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3581 ft
 Pup @ 0 ft TD of 8-3/4" Hole 3591 ft
 Pup @ 0 ft
 Notified BLM @ 0:00 hrs on 00-Jan-00
 Notified NMOCD @ 0:00 hrs on 00-Jan-00

Production Liner Date set: 21-Nov-05
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55
 # Jnts: 9
 Hole Size 6.25/9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3585' to 3995'
 Top of Liner 3542 ft
 PBDT 3992 ft
 Bottom of Liner 3995 ft



Surface Cement

Date cmt'd: 7-Oct-05
 Lead : 150 sx Type III Cement
 + 2% S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes
 1.33 cuft/sx, 199.5 cuft slurry at 14.8 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 20:00 hrs w/ 500 psi
 Final Circ Press: 0
 Returns during job: YES
 CMT Returns to surface: 15 bbls
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 11.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 15-Oct-05
 Lead : 470 sx Class G Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.20% D046 Antifoam
 0
 2.61cuft/sx, 1226.7 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Standard cement
 + 2% D020 Bentonite
 + 2% S001 Calcium Chloride
 + 5 lb/sx D024 Gilsontite Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 +0.20% D046 Antifoam
 1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
 Displacement: 139 bbls
 Bumped Plug at: 02:00 hrs w/ 1500 psi
 Final Circ Press: 800 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 100 bbls
 Floats Held: X Yes No

Uncemented Liner

Schematic prepared by:
 Mike Neuschafer, Drilling Engineer
 29-Nov-2005

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 @ 189'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 223', 146', 102' & 59'. Total: 4
7" Intermediate	DISPLACED W/ 139 BBLs. FRESH WATER TANDEM RISE CENTRALIZERS @ 3570', 3494', 3408', 3322', 3237', 3151', 3065', 2979', 468', 382', 296', 210', 82' & 39'. TURBOLIZERS @ 2894', 2851', 2808' & 2765'. Total: 14
5.5" Liner	Ran 6 1/4" Button Bit and bit sub on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger). Perforations Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3890'-3905', 3776'-3781', 3692'-3699', 3687'-3689', 3659'-3666', 3643'-3645', 3635'-3637', 3627'-3631', 3618'-3622' & 3603'-3608'. : Total 212 holes Total: 4
Tubing	2 1/16" notched collar attached to 1 1/2" FN, XO, 32.2' x 2 3/8" mud anchor, and 2 3/8" x 1.78" FN. Run with 124 joints 2 3/8" 4.7 ppf J-55 EUE tubing & 1 ea 8' sub. Bottom of Notched Collar at 3957'. Top of F-Nipple at 3922' MD RKB.
Pump & Rods	2" x 1-1/4" x 14" RHAC-ZDV insert pump, 15 each 1 1/4" x 25' sinker bars, 100 ea 25' x 3/4" guided rods and 41 ea 25' x 7/8" guided rods. Spaced out with 2 ea 6' x 7/8" & 1 ea 2' x 7/8" of rod subs. Run with 22' x 1 1/4" Polished rod. Set pump in F-Nipple at 3922' RKB.



Regulatory Summary

SAN JUAN 32 7 UNIT #227A

INITIAL COMPLETION, 10/27/2005 00:00

API/Bottom UWI	County	State/Province	Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
300453310200	San Juan	NEW MEXICO	NMPM-31N-07W-18-K	1,434.00	S	602.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,604.00	36° 53' 46.536" N	107° 36' 56.88" W	10/7/2005				

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

Last 24hr Summary

MOVE IN KEY #29 & SUPPORT EQUIPMENT ON THE SJ 32-7 #227A LOCATION. SPOT EQUIPMENT & BEGIN RU.

10/28/2005 07:00 - 10/28/2005 17:00

Last 24hr Summary

CONTINUE RIGGING UP RIG & SUPPORT EQUIPMENT. PRESSURE TEST 7" CSG & BOP STACK AS PER C-P REQUIREMENTS. PU & GIH W/ 6 1/4" DRLG ASSEMBLY TO 3490'. SDFD.

10/29/2005 07:00 - 10/29/2005 17:00

Last 24hr Summary

FINISH RU BLOOEY LINES. HOOK UP 3.5 SWIVEL POWER UNIT W/ CONTROLS. REPAIR TEARS IN RESERVE PIT LINER.

10/30/2005 07:00 - 10/31/2005 06:00

Last 24hr Summary

UNLOAD 7" CSG @ 3500'. DRILL OUT CMT, FC & SJ TO 3581'. DRILL 6 1/4" OPEN HOLE FR 3582'- 3995'(TD) W/ 1600 CFM AIR- MIST. PULL UP & FLOW TEST 60MIN- 1 1/2PSI(752MCFD). SI FOR 120MIN BUILD UP- 380PSI. POOH W/ BIT. MU UNDER REAMER.

10/31/2005 06:00 - 11/1/2005 06:00

Last 24hr Summary

WO VARIOUS XO SUBS & SWIVEL PARTS. TIH W/ UR TO 3585'. UNDER REAM 6 1/4" HOLE OUT TO 9" FR 3585'- 3995'.

11/1/2005 06:00 - 11/2/2005 06:00

Last 24hr Summary

TIH W/ BIT TO 7" CSG SHOE. CONDUCT 60 MIN FLOW TEST- 1 3/4PSI(801MCFD) CONDUCT 60 MIN SI TEST- 300PSI. PERFORM 4 PADDED SURGES. TIH & CO COAL BRIDGES FR 3733'- 3859' W/ 1600 CFM AIR- MIST.

11/2/2005 06:00 - 11/3/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3860'- 3922' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 4 PADDED SURGES. TIH & TAG UP @ 3762'. R&R CO COAL FR 3734'- 3890' W/ 1600 CFM AIR- MIST.

11/3/2005 06:00 - 11/4/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3860'- 3921' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 3 PADDED SURGES. TIH & TAG UP @ 3685'. R&R CO COAL FR 3671'- 3733' W/ 1600 CFM AIR- MIST.

11/4/2005 06:00 - 11/5/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3703'- 3890' W/ 1600 CFM AIR- MIST.

11/5/2005 06:00 - 11/6/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3891'- 3922' W/ 1600 CFM AIR- MIST. PULL UP & FLOW TEST 60 MIN- 7PSI(1.54 MMCFD). SI FOR 60 MIN BUILD UP- 395 PSI. PERFORM 3 AIR, ASSIST PADDED SURGES. TIH & TAG 3600'. R&R CO COAL FR 3575'- 3638' W/ 1600 CFM AIR- MIST.

11/6/2005 06:00 - 11/7/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3607'- 3922' W/ 1600 CFM AIR- MIST.

11/7/2005 06:00 - 11/8/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3891'- 3922' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 3 AIR- ASSIST PADDED SURGES. TIH & TAG UP @ 3656'. R&R CO COAL FR 3639'- 3702' W/ 1600 CFM AIR- MIST.

11/8/2005 06:00 - 11/9/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3671'- 3796' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 3 AIR- ASSIST PADDED SURGES. TIH & TAG UP @ 3653'. R&R CO COAL FR 3640'- 3702' W/ 1600 CFM AIR- MIST.

11/9/2005 06:00 - 11/10/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3671'- 3797' W/ 1600 CFM AIR- MIST. PULL UP TO SURGE. PERFORM 4 AIR ASSIST PADDED SURGES.

11/10/2005 06:00 - 11/11/2005 06:00

Last 24hr Summary

PERFORM 2 AIR ASSIST PADDED SURGES. RIG REPAIR. MAKE BIT TRIP TO UNPLUG FLOAT IN BIT SUB. PERFORM 2 AIR ASSIST SURGES.

11/11/2005 06:00 - 11/12/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3575'- 3734' W/ 1600 CFM AIR- MIST.

11/12/2005 06:00 - 11/13/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3733'- 3922' W/ 1600 CFM AIR- MIST.

11/13/2005 06:00 - 11/14/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3891'- 3922' W/ 1600 CFM AIR- MIST. PULL UP & FLOW TEST 60MIN- 5PSI(1.37MMCFD). SI FOR 60MIN BUILD UP- 280PSI. PERFORM 4 AIR ASSIST SURGES. TIH & TAG- 3625'. R&R CO COAL FR 3607'- 38' W/ 1600 CFM AIR- MIST.

Regulatory Summary



SAN JUAN 32 7 UNIT #227A

11/14/2005 06:00 - 11/15/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3607'- 3797' W/ 1600 CFM AIR- MIST.

11/15/2005 06:00 - 11/16/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3766'- 3922' W/ 1600 CFM AIR- MIST.

11/16/2005 06:00 - 11/17/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3891'- 3922' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 4 NATURAL SURGES.

11/17/2005 06:00 - 11/18/2005 06:00

Last 24hr Summary

PERFORM 2 NATURAL SURGES. TIH & TAG UP @ 3890'. R&R CO COAL FR 3859'- 3922' W/ 1600 CFM AIR- MIST.

11/18/2005 06:00 - 11/19/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3891'- 3954' W/ 1600 CFM AIR- MIST.

11/19/2005 06:00 - 11/20/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3923'- 86' W/ 1600 CFM AIR- MIST.

11/20/2005 06:00 - 11/21/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3955'- 86' W/ 1600 CFM AIR- MIST. SHORT TRIP DP TO CSG SHOE. R&R CO COAL FR 3891'- 3995' W/ 1600 CFM AIR- MIST. LD 14-JTS OF 2 7/8" DP. HANG SWIVEL & POOH W/ BIT.

11/21/2005 06:00 - 11/21/2005 18:00

Last 24hr Summary

POOH W/ BIT. RU TO RUN CSG. RUN & LAND 10-JTS OF 5 1/2" CSG LINER FR 3995'- 3540'. POOH LAYING DN 2 7/8" DP. PREFORATE THE FRUITLAND COALS W/ 212- HOLES FR 3603'- 3905'. TIH W/ 4 1/8" DCS & POOH LAYING DN.

11/22/2005 07:00 - 11/22/2005 17:00

Last 24hr Summary

RUN & LAND 124-JTS OF 2 3/8" PRODUCTION TBG TO 3957' KB. ND BOPS & NU B-1 FLANGE & PUMPING T.RUN 1 1/4" PUMP & 3/4", 7/8" ROD STRING. HANG OFF ROD STRING. BEGIN RIGGING DN RIG.

11/23/2005 07:00 - 11/23/2005 17:00

Last 24hr Summary

RD KEY #29 & MOVE OFF.