

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  
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

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

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

At Surface NWNW Sec 20 T32N R7W 1200 FNL & 1200 FWL

At top prod. interval reported below

At total depth Same as above.

14. Date Spudded

08/19/2005

15. Date T.D. Reached

09/04/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.  
09/27/2005

18. Total Depth: MD 3276  
TVD 3276

19. Plug Back T.D.: MD 3272  
TVD 3272

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	228		150 sx		0	10 BBL
8.75	7.0 J-55	20.0	0	2841		430 sx		0	27 BBL
6.25	5.5 Liner	15.5	2782	3275		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	3247							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	2872	3184	2872-3184	.75	260	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	Underreamed 6.25" hole to 9.5" from 2858' to 3275'.

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
09/27/05	09/27/05	1 HR	→	0	2200	2 BBL			Gas Pumping Unit

Choice Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
2" Pitot	n/a	50 psi	→					Shut-in

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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
			→					

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

5. Lease Serial No.  
SF078460

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.  
NMNM 78423A

8. Lease Name and Well No.

SAN JUAN 32-7 UNIT 233A

9. API Well No.

30-045-33096

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

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

D Sec: 20 Twn: 32N

12. County or Parish

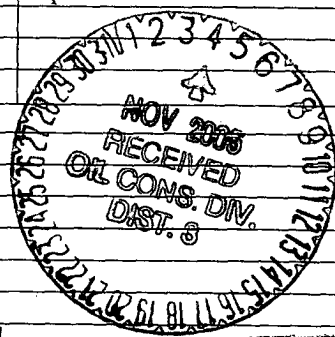
SAN JUAN

13. State

NM

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

6311 GL



ACCEPTED FOR RECORD

NOV 02 2005

FARMINGTON FIELD OFFICE  
BY gbs

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	578
				Ojo Alamo	1998
				Kirtland	2108
				Fruitland	2798
				Top Coal MD	2872
				B Main Coal MD	3014
				PC Tongue MD	3116
				B. Lowest Coal MD	3184

## 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.

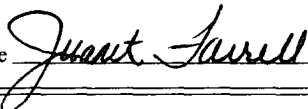
## 33. Circle enclosed attachments:

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) Juanita FarrellTitle Regulatory Analyst

Signature

Date 10/22/2005

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.

Well Name: San Juan 32-7 #233A  
 API #: 30-045-33096  
 Location: 1200' FNL & 1200' FWL  
Sec. 20 - T32N - R7W  
San Juan County, NM  
 Elevation: 6311' 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: 19-Aug-05  
 Spud Time: 1:00  
 Release Drl Rig: 22-Aug-05  
 Time Release Rig: 16:00  
 Move In Cav Rig: 2-Sep-05  
 Release Cav Rig: 28-Sep-05

**Surface Casing** Date set: 19-Aug-05  
 Size 9 5/8 in  
 Set at 228 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 228 ft  
 TD of 12-1/4" hole 238 ft

Notified BLM @ 17:50 hrs on 14-Aug-05  
 Notified NMOCD @ 17:50 hrs on 14-Aug-05

**Intermediate Casing** Date set: 22-Aug-05  
 Size 7 in 67 jts  
 Set at 2841 ft 0 pups  
 Wt. 20 ppf Grade J-55  
 Hole Size 8 3/4 in Conn STC  
 Excess Cmt 160 % Top of Float Collar 2797 ft  
 T.O.C. SURFACE Bottom of Casing Shoe 2841 ft  
 Pup @        ft TD of 8-3/4" Hole 2847 ft  
 Pup @        ft

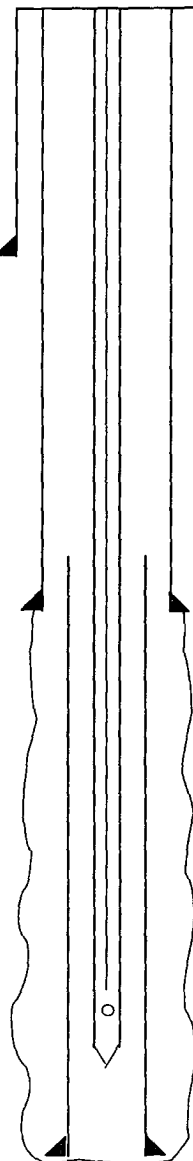
Notified BLM @        hrs on         
 Notified NMOCD @        hrs on       

**Production Liner** Date set: 26-Sep-05  
 Size 5 1/2 in  
 Nominal Wt. 15.5 ppf  
 Grade J-55 Connections: LTC  
 # Jnts: 11  
 Hole Size 6.25 / 9.5 inches  
 Underreamed 6-1/4" hole to 9.5" from 2858' to 3275'  
 Top of Liner 2782 ft  
 PBTD 3272 ft  
 Bottom of Liner 3275 ft

☒ New  
☐ Used

☒ New  
☐ Used

☒ New  
☐ Used



TD 3,276 ft

#### Surface Cement

Date cmt'd: 19-Aug-05  
 Lead : 150 sx Class G Cement  
+ 3% BWOC Calcium Chloride  
+ 0.25 lb/sx Flocele  
1.21 cuft/sx, 181.5 cuft slurry at 15.6 ppg  
 Displacement: 14.5 bbls fresh wtr  
 Bumped Plug at:         
 Final Circ Press: 90 psi @ 2.0 bpm  
 Returns during job: YES  
 CMT Returns to surface: 10  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 10.00 hrs (plug bump to test csg)

#### Intermediate Cement

Date cmt'd: 22-Aug-05  
 Lead : 330 sx Standard Cement  
+ 3% Econolite  
+ 0.25 lb/sx Flocele  
+ 10 lb/sk Gilsonite  
2.91cuft/sx, 960.3 cuft slurry at 11.5 ppg  
 Tail : 100 sx 50/50 POZ : Standard cement  
+ 2% Bentonite  
+ 2% Calcium Chloride  
+ 5 lb/sx Gilsonite  
+ 0.25 lb/sx Flocele  
1.33 cuft/sx, 133 cuft slurry at 13.5 ppg  
 Displacement: 113.3 bbls  
 Bumped Plug at: 10:30 hrs w/ 1200 psi  
 Final Circ Press: 800 psi @ 2 bpm  
 Returns during job: YES  
 CMT Returns to surface: 27 bbls  
 Floats Held: ☒ Yes ☐ No

#### UNCEMENTED LINER

Schematic prepared by:  
 Aaron Fuhr, Development Engineer  
 03-October-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 @ 184'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 218', 141', 100' & 57'. Total: 4
7" Intermediate	DISPLACED W/ 113.3 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 2798', 2755', 2673', 2589', 2503', 2417', 209', 80' & 37'. TURBOLIZERS @ 2076', 2033', 1991' & 1947'. Total: 9 Total: 4
5.5" Liner	Ran 6 1/4" button bit and bit sub with float valve on 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: 3180'-3184', 3162'-3170', 3090'-3094', 3020'-3022', 2990'-3014', 2936'-2940', 2917'-2919', 2908'-2910', 2902'-2904', 2888'-2896', 2872'-2877'. Total 260 holes
Tubing	2 1/16" notched collar, 2 1/16" landing collar and 2 3/8" x 2 1/16" XO collar below 2-3/8" Mud Anchor 31.7' long with 2 3/8" x 1.78" F nipple on top. TIH with 102 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3247'. Top of F-Nipple at 3213' RKB.
Pump & Rods	2" x 1-1/4" x 12' RHAC-ZDV pump, 3 each 1 1/4" x 25' sinker bars, 125 each 3/4" x 25' rods & 1 ea 1-1/2" OD x 22' polished rod Set pump in F-Nipple at 3213' MD RKB



# Regulatory Summary

## SAN JUAN 32 7 UNIT #233A

### INITIAL COMPLETION, 9/2/2005 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
300453309600	San Juan	NEW MEXICO	NMPM-32N-07W-20-D	1,200.00	N	1,200.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,311.00	36° 58' 10.128" N	107° 35' 39.84" W	8/19/2005	8/22/2005			

### 9/2/2005 07:00 - 9/2/2005 18:00

#### Last 24hr Summary

MOVE KEY #29 TO SJ 32-7 #233A LOCATION. BEGIN RU OF RIG & SUPPORT EQUIPMENT. INSPECT BOP STACK. REPAIR PRIMARY HYDRAULIC VALVE. INSPECT BLOOEIE LINES & ALL 2" IRON. REPLACE 2-JTS. RECEIVE BACK INSPECTED DP.

### 9/3/2005 07:00 - 9/3/2005 17:00

#### Last 24hr Summary

FINISH RU. PRESSURE TEST BOP STACK & 7" CSG. PU & GIH W/ 6 1/4" DRLG ASSEMBLY TO 2750'.

### 9/4/2005 07:00 - 9/5/2005 06:00

#### Last 24hr Summary

DRILL 6 1/4" OPEN HOLE FR 2850'- 3276' W/ 1600 CFM AIR- MIST. PULL UP & FLOW TEST 60 MIN- 2PSI(869MCFD). SI FOR 120 MIN BUILD UP- 360PSI. POOH W/ BIT. PU UNDER REAMER & TIH.

### 9/5/2005 06:00 - 9/6/2005 06:00

#### Last 24hr Summary

UNDER REAM 6 1/4" HOLE OUT TO 9 1/2" FR 2858'- 3275' W/ 1800 CFM AIR- MIST.FLOW TEST 60MIN- 2 1/2PSI(970MCFD) & SI FOR 60MIN- 310PSI. PERFORM 2 PADDED SURGES.

### 9/6/2005 06:00 - 9/7/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2960'- 3212' W/ 1600 CFM AIR- MIST.

### 9/7/2005 06:00 - 9/8/2005 06:00

#### Last 24hr Summary

PERFORM AIR- ASSIST SURGES #4 & #5. R&R CO COAL FR 2897'- 3086' W/ 1600 CFM AIR- MIST.

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

#### Last 24hr Summary

R&R CO COAL FR 3055'- 3212' W/ 1600 CFM AIR- MIST. PULL UP & PERFORM 2 AIR ASSIST PADDED SURGES. TIH & TAG UP @ 2963'. R&R CO COAL FR 2960'- 3023' W/ 1600 CFM AIR- MIST.

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

#### Last 24hr Summary

R&R CO COAL FR 2992'- 3149' W/ 1600 CFM AIR- MIST.

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

#### Last 24hr Summary

R&R CO COAL FR 3150'- 3212' W/ 1600 CFM AIR- MIST. PULL & PERFORM 60MIN FLOW TEST- 9 1/2PSI(1.91MMCFD). SI FOR 60MIN BUILD UP- 380PSI. PERFORM 2 AIR ASSIST PADDED SURGES. R&R CO COAL FR 2866'- 96' W/ 1600 CFM AIR- MIST.

### 9/11/2005 06:00 - 9/12/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2866'- 2927' W/ 1600 CFM AIR- MIST.

### 9/12/2005 06:00 - 9/13/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2866'- 3212' W/ 1600 CFM AIR- MIST. PULL UP TO SURGE.

### 9/13/2005 06:00 - 9/14/2005 06:00

#### Last 24hr Summary

PERFORM AIR ASSIST PADDED SURGES #10 & #11. TIH & TAG UP @ 2886'. R&R CO COAL FR 2866'- 2927' W/ 1600 CFM AIR- MIST. PULL UP INSIDE 7" CSG & SI.

### 9/14/2005 06:00 - 9/15/2005 06:00

#### Last 24hr Summary

CONDUCT CONOCO- PHILLIPS SAFETY STAND DN. RELEASE CSG PRESSURE AS A NATURAL SURGE. TIH & TAG UP @ 2900'. R&R CO COAL FR 2897'- 2927' W/ 1600 CFM AIR- MIST.

### 9/15/2005 06:00 - 9/16/2005 06:00

#### Last 24hr Summary

R&R CO RUNNING COAL & SHALE FR 2897'- 2927' W/ 1600 CFM AIR- MIST.

### 9/16/2005 06:00 - 9/17/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2897'- 2970' W/ 1600 CFM AIR- MIST. PULL UP TO 2897'. R&R CO COAL FR 2897'- 2927' W/ 1600 CFM AIR- MIST.

### 9/17/2005 06:00 - 9/18/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2897'- 2927' W/ 1600 CFM AIR- MIST.

### 9/18/2005 06:00 - 9/19/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2887'- 2927' W/ 1600 CFM AIR- MIST. TIH & TAG 2970' DRILL NEW HOLE TO 2986' WHERE BIT FELL THROUGH TO 2991'. LOST CIRCULATION & HAD TO PULL BACK UP TO 2887' & RE ESTABLISH CIRCULATION. R&R CO COAL & SHALE FR 2887'- 2927' W/ 1600 CFM AIR- MIST.

### 9/19/2005 06:00 - 9/20/2005 06:00

#### Last 24hr Summary

R&R CO COAL FR 2887'- 2960' W/ 1600 CFM AIR- MIST.



Regulatory Summary  
SAN JUAN 32 7 UNIT #233A

9/20/2005 06:00 - 9/21/2005 06:00

Last 24hr Summary

R&R CO COAL FR 2960'- 3117' W/ 1600 CFM AIR-MIST. WO CIRCULATION @ 3118'.

9/21/2005 06:00 - 9/22/2005 06:00

Last 24hr Summary

R&R CO COAL FR 3118'- 3275' W/ 1600 CFM AIR- MIST.

9/22/2005 06:00 - 9/23/2005 06:00

Last 24hr Summary

SHORT TRIP. TIH & TAG- 2908'. R&R CO COAL FR 2887'- 3023' W/ 1600 CFM AIR- MIST.

9/23/2005 06:00 - 9/24/2005 06:00

Last 24hr Summary

R&R CO COAL FR 2991'- 3275' W/ 1600 CFM AIR- MIST.

9/24/2005 06:00 - 9/25/2005 06:00

Last 24hr Summary

SHORT TRIP. R&R CO COAL FR 2887'- 3212' W/ 1600 CFM AIR- MIST.

9/25/2005 06:00 - 9/26/2005 06:00

Last 24hr Summary

SHORT TRIP. R&R CO COAL FR 2887'- 3275' W/ 1600 CFM AIR- MIST. POOH W/ BIT.

9/26/2005 06:00 - 9/26/2005 19:00

Last 24hr Summary

POOH W/ BIT. RUN 11-JTS OF 5 1/2 " PRODUCTION LINER TO 3275'. DROP OFF LINER. POOH LAYING DN DP & DCS. PERFORATE THE FRUITLAND COALS FR 2872'- 3184' W/ 260 HOLES.

9/27/2005 07:00 - 9/27/2005 17:00

Last 24hr Summary

RUN & LAND 102-JTS OF 2 3/8" TBG TO 3247'. ND BOPS & NU B-1 FLANGE & PUMP T. RUN 1 1/4" ROD PUMP, 3- 1 1/4" SINKER BARS & 125- 3/4" RODS. SEAT PUMP & PRESSURE TEST TBG TO 500PSI. PUMP UP PUMP TO 800PSI. SDFD.

9/28/2005 00:00 - 9/28/2005 17:00

Last 24hr Summary

RD KEY #29 TO MOVE.