

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMSF079013		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvd.			6. If Indian, Allottee or Tribe Name		
2. Name of Operator ConocoPhillips Company			7. Unit or CA Agreement Name and no. NMNM78424B		
3. Address 5525 Highway 64 Farmington NM 87401			8. Lease Name and Well No. SAN JUAN 32-8 UNIT 261A		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface NWNW SEC 17 T32N R8W 944 FNL & 100 FWL At top prod. interval reported below At total depth SAME AS ABOVE			9. API Well No. 30-045-32752		
14. Date Spudded 08/24/2005			15. Date T.D. Reached 08/27/2005		
16. Date Completed 11/16/2005			17. Elevations (DF, RKB, RT, GL)* 6690		
18. Total Depth: MD 3745 TVD 3745			19. Plug Back T.D.: MD 3674 TVD 3674		
20. Depth Bridge Plug Set: MD TVD			21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) CNL; GR/CCL		
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	229		150		0	10 bbl
7.875	5.5 J-55	17.0	0	3744		660		0	42 bbl

## 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	3651							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	3597	3608	3597-3608	.42"	44	Open
B) Basin Fruitland Coal	3266	3425	3266-3425	.42"	100	Open
C)						
D)						

## 26. Perforation Record

Depth Interval	Amount and Type of Material
3597-3608	Pumped 25# Green Lightning in Pad w/1500# 40/70 AZ sand. Frac w/25# Green Lightning w/FS. 75,375 16/30 Brady. Total Sand: 76,875. Fluid 1205 bbl.
3266-3425	Pumped 25# Green Lightning in Pad w/4000# 40/70 AZ sand. Frac w/25# Green Lightning w/FS. 176,000 Brady. Total sand: 180,000#. Fluid 2813 bbl.

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

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/16/05	11/14/05	54	➔	0	264	20 BPH			FLOWING
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. n/a	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot		410 psi	➔					Shut-in	

ACCEPTED FOR RECORD

JAN 05 2006

## 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
			➡						
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)

ACCEPTED FOR RECORD  
JAN 05 2006  
FARMINGTON FIELD OFFICE  
BY 

NMOC

## 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.*)

## 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	693
				Ojo Alamo	2138
				Kirtland	2263
				Fruitland	3141
				Top Coal MD	3151
				B Main Coal MD	3401
				PC Tongue MD	3507
				B Lowest Coal MD	3608
				Top PCCF MD	3614

## 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.

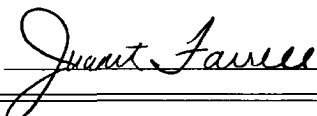
## 33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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 12/20/2005

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**

**Well Name:** San Juan 32-8 #261A  
**API #:** 30-045-32752  
**Location:** 944' FNL & 1000' FWL  
 Sec. 17 - T32N - R8W  
 San Juan County, NM  
**Elevation:** 6690' GL (above MSL)  
**Drl Rig RKB:** 13' above Ground Level  
**Datum:** Drl Rig RKB = 13' above GL

**Patterson Rig:** #747  
**Spud:** 24-Aug-05  
**Spud Time:** 5:30  
**Date TD Reached:** 27-Aug-05  
**Release Drl Rig:** 29-Aug-05  
**Release Time:** 6:00

**Surface Casing**

Date set: 24-Aug-05

Size 9 5/8 in  
 Set at 229 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 229 ft  
 TD of 12-1/4" hole 240 ft

Notified BLM @ 12:30 hrs on 22-Aug-05  
 Notified NMOCD @ 12:30 hrs on 22-Aug-05

**Production Casing:**

Date set: 28-Aug-05

Size 5 1/2 in 83 jts  
 Set at 3744 ft 1 pups  
 Wt. 17 ppf Grade J-55  
 Hole Size 7 7/8 in Conn LTC  
 Excess Cmt 160 % Top of Float Collar 3698 ft  
 Pup Jt @ 3070 ft Bottom of Casing Shoe 3744 ft  
 TD of 7-7/8" Hole 3745 ft

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
 Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

9-5/8" 8 RD x 11" 3M Casing Head

☒ New  
☐ Used

☒ New  
☐ Used

TD of 7 7/8" Hole: 3745 ft

**Surface Cement**

Date cmt'd: 24-Aug-05  
**Lead :** 150 sx Class G Cement  
 + 3% Calcium Chloride  
 + 0.25 lb/sx Flocele  
 1.21 cuft/sx, 181.0 cuft slurry at 15.6 ppg  
 Displacement: 15.0 bbls fresh wtr  
 Bumped Plug at: 13:30 hrs w/ 350 psi  
 Final Circ Press: 90 psi @ 2.0 BPM  
 Returns during job: YES  
 CMT Returns to surface: 10 bbls  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 8.50 hrs (plug bump to test csg)

**Production Cement**

Date cmt'd: 28-Aug-05  
**Lead :** 480 sx Standard Class G Cement  
 + 3.0% Econolite  
 + 0.25 lb/sx Cellophane flakes  
 + 10.0 lb/sx Gilsonite  
 2.91 cuft/sx, 1397 cuft at 11.5 ppg  
**Tail :** 180 sx 50/50 POZ : Standard cement  
 + 2% Bentonite  
 + 5 lb/sx Gilsonite  
 + 0.25 lb/sx Cellophane Flakes  
 + 2% Calcium Chloride  
 1.33 cuft/sx, 240. cuft slurry at 13.5 ppg  
 Displacement: 88.3 bbls  
 Bumped Plug: 23:00 hrs w/1500 psi  
 Final Circ Press: 800 psi @ 2.0 bpm  
 Returns during job: Yes  
 CMT Returns to surface: 42 BBLs  
 Floats Held: ☒ Yes ☐ No

Schematic prepared by:  
 Aaron Fuhr, Development Engineer  
 31-August-2005

**OMMENTS:**

5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 186'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 218', 142', 100' & 57'. Total: 4
1/2" Production	DISPLACED W/ 88.3 BBLs. PRODUCED WATER. CENTRALIZERS @ 3720', 3652', 3562', 3474', 3380', 3291', 190', 96', 64'. TURBOLIZERS @ 2251', 2208', 2164', 2119'. Total: 9 Total: 4

# Regulatory Summary

**ConocoPhillips**

**SAN JUAN 32 8 UNIT #261A**

## INITIAL COMPLETION, 9/3/2005 00:00

API/Bottom UWI 300453275200	County San Juan	State/Province NEW MEXICO	Surface Legal Location NMPM-32N-08W-17-D	N/S Dist (ft) 944.00	N/S Ref N	E/W Dist (ft) 1,000.00	E/W Ref W
Ground Elevation (ft) 6,850.00	Latitude (DMS) 36° 59' 20.0004" N	Longitude (DMS) 107° 0' 0" W	Spud Date 8/24/2005	Rig Release Date 8/29/2005			

## 9/3/2005 06:00 - 9/3/2005 12:00

### Last 24hr Summary

Held safety meeting. RU Schlumberger. Pressured up on 5 1/2" CSG to 1500 #. Ran CBL log from 3672' to surface. Top of cement @ surface. Ran GR/ccl log from 3672' TO surface. Tested 5 1/2" csg to 4300 # for 30 min. Held ok. RD Schlumberger.

## 9/10/2005 13:00 - 9/10/2005 17:00

### Last 24hr Summary

Held safety meeting. RU Computalog. Ran CNL log from 3670' to 3350'. Ran GR/CCL log from 3670' to surface. SWI. RD Computalog.

## 9/11/2005 13:00 - 9/11/2005 18:00

### Last 24hr Summary

Held safety meeting. RU Schlumberger. Ran RST log from 3674' to 3350'. Ran GR/CCL log from 3674' to surface. SWI. RD Schlumberger.

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

### Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the lower Fruitland Coal. RIH w/ 3 1/8" slickgun w/ Titan 322g. Perforated from 3597' - 3608' w/ 4 spf. A total of 44 holes w/ .42 dia. SWI. RD Computalog.

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

### Last 24hr Summary

Held Safety Meeting. RU BJ Services. Frac the Lower Fruitland Coal. Tested lines to 5000 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 1820 #. Pumped 1000 gals of 28% formic acid @ 5 BPM @ 1927 #. Pumped 25 # Green Lightning in Pad w/ 1500 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Lower Fruitland Coal w/ 25 # Green Lightning w/FS. 75,375 16/30 Brady sand. Total sand pumped 76,875 #. 1205 bbls fluid. Avg rate 39 BPM. Avg pressure 2496 #. Max pressure 2984 #. Max sand cons 5 # per gal. ISIP 1695 #. Frac gradient .96. RU Computalog. RIH w/ 5 1/2" composite plug. Set plug @ 3525'. Tested plug to 4500 # held ok. Perforated the Upper Fruitland Coal. RIH w/ 3 1/8" slickgun w/ Titan 322g. Perforated from 3266' - 3272' w/ 2 spf, 3305' - 3313' w/ 2 spf, 3321' - 3325' w/ 2 spf, 3348' - 3358' w/ 2 spf, 3365' - 3369' w/ 2 spf, 3390' - 3402' w/ 2 spf, 3419' - 3425' w/ 2 spf. A total of 100 holes w/ .42 DIA SWI. RD Computa. RU BJ Services. Frac the Upper Fruitland Coal. Tested lines to 5000 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 2508 #. Pumped 2000 gals of 28% formic acid @ 5 BPM @ 2305 #. Pumped 25 # Green Lightning in Pad w/ 4000 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Upper Fruitland Coal w/ 25 # Green Lightning w/FS. 176,000 16/30 Brady sand. Total sand pumped 180,000 #. 2813 bbls fluid. Avg rate 52 BPM. Avg pressure 2775 #. Max pressure 2897 #. Max sand cons 5 # per gal. ISIP 2080 #. Frac gradient 1.20. SWI. RD BJ Services.

## 11/8/2005 05:30 - 11/9/2005 17:00

### Last 24hr Summary

Wait on trucks to move equipment. Do general rig maintenance. Stand-by.  
Transit rig from old location to new location. Park rig near new location for the night.  
Secure rig. SDFN.

## 11/9/2005 05:30 - 11/9/2005 18:00

### Last 24hr Summary

Service, start & warmup equipment. Pre-trip inspection.  
Finish roading rig to location.  
Spot rig to well head. Wait on trucks w/ equipment. Trucks blocked by pipeline construction.  
Equipment on location. RU unit, rig pump & pit, manifold & bleedoff line.

## 11/10/2005 05:00 - 11/10/2005 17:00

### Last 24hr Summary

Casing pressure @ 110 P.S.I. BDW. Well flowing water @ 5 BPH. Small amount of gas.  
Install tubing hanger w/ PBP valve into Bradenhead. ND Frac valve. NUBOP. RU Floor.  
Spot & RU BOP tester. Test BOP. 250 PSI for 10 minutes low & 3000 PSI for 15 minutes for high. Held OK. RD tester. Well flowing through 2" bleed off line. 2 BPH water & some gas.  
RU blooie line. Set blooie line pads.  
Strap Tubing. PU 4-3/4" mill. PU & TIH w/ tubing.  
Mechanic on location. Replace 2 fuel injectors in rig engine.  
Continue to PU tubing. Tag fill @ 3410'.  
PUH to 3303'. Close tubing rams. Secure well, rig & location. SDFN.

## 11/11/2005 05:30 - 11/11/2005 18:00

### Last 24hr Summary

Casing pressure @ 120 P.S.I. BDW.]  
Open tubing rams. Well flowing 15 - 17 BPH water. No condensate. No sand. RIH from 3303' to 3398'. RU power swivel.  
Establish circulation. pump 1100 scfm Air & 5 BPH 2% KCL water mist w/ 2 gallons inhibitor per 20 bbls.  
Circulation established. Pump as above. Returns of 22 BPH water. Medium sand. No condensate. Clean out from 3410' to 3524'. DRILL out CBP @ 3524'.  
Blow well to unload CBP cuttings. Cleanout from 3525' to 3698' (PBSD).  
Blow well clean. SD mist pump. Blow tubing dry.  
SD air. Bleed down tubing. RD power swivel.  
TOOH w/ mill.  
Secure well, rig & location. SDFN.

**11/14/2005 05:30 - 11/14/2005 17:00**

**Last 24hr Summary**

Service, start & warm up equipment. Casing pressure @ 800 P.S.I. BDW.  
 Open blind rams. Install (1.81 ID) "F" nipple & muleshoe collar on end of tubing. TIH w/ "F" nipple & tubing to 3503'.  
 Install TIW valve. RU chickens & kelly hose. Load tubing w/ 14 bbls of 2% KCL water. RU flow TEE on top of tubing.  
 WOSL.  
 RUSL. RIH w/ punch & catch tool to retrieve plug. RDSL.  
 Kill tubing w/ 5 bbls of 2% KCL water. Remove TIW valve. Install string float. RIH to tag fill. Tag fill @ 3688' (10' of fill).  
 Establish circulation. Pump 100 scfm Air & 5BPH 2% KCL mist w/ 2 gallons foamer & 5 gallons inhibitor per 20 bbls. Well flowing @ 10 BPH water.  
 PUH to 3553'. Remove string float. install TIW valve. RU flow line on tubing.  
 Circulation established. Pump as above. Cleanout sand from 3688' to 3698'. Blow well clean. SD air & mist. Pump 4 bbls 2% KCL water to kill tubing. RD kelly hose & chickens.  
 Flow test well up tubing w/ 1/2" chock in low line. Readings taken were:  
 14:00 hrs - TFP @ 20 PSI. CSIP @ 250 PSI.  
 14:30 hrs - TFP @ 40 PSI. CSIP @ 340 PSI.  
 15:00 hrs - TFP @ 35 PSI. CSIP @ 380 PSI.  
 15:30 hrs - TFP @ 40 PSI. CSIP @ 410 PSI.  
 16:00 hrs - TFP @ 40 PSI. CSIP @ 400 PSI.  
 16:30 hrs - TFP @ 40 PSI. CSIP @ 410 PSI.  
 17:00 hrs - TFP @ 40 PSI. CSIP @ 410 PSI.  
 Well was flowing 4 to 5 BPH during test.  
 Test witnessed by George Kartchner w/ MVCI.  
 Secure well, rig & location. SDFN.

**11/15/2005 05:30 - 11/15/2005 18:00**

**Last 24hr Summary**

Casing pressure @ 800 P.S.I. BDW. Load tubing w/ 14 bbls of 2% KCL water.  
 RU SL. RIH w/ SL. Install pressure plug in 1.81 "F" nipple. RD SL.  
 TOO H w/ tubing. Well flowing @ 15 - 18 BPH. Water, no sand, coal or condensate.  
 LD 1.81" F nipple & muleshoe collar. PU mud anchor.  
 RIH w/ mud anchor, BHA & tubing consisting of:  
 1 ea - 2-1/16" notched collar (Set @ 3652').  
 1 ea - 2-1/16" 1.5" ID seating nipple.  
 1 ea - 2-1/16" X 2-3/8" x-over.  
 1 ea - 2-3/8" mud anchor w/ 1/2" hole drilled bellow collar.  
 1 ea - 1.78" ID F nipple (Set @ 3618').  
 113 jts - 2-3/8" J-55, 4.7#, EUE, NEW tubing. (3561.26')  
 6', 6', & 8' - J-55, 4.7#, EUE PUP joints.  
 1jt. - 2-3/8" J-55, 4.7#, EUE, NEW tubing.  
 1 ea - tubing hanger.  
 Drift tubing going in hole w/ full lenght 1.901" drift weighing 8 lbs per COPC SOP.  
 Land tubing. RD power tongs, rig floor, blooie line.  
 NDBOP. NUWH.  
 RUto run rods. PU & run rods. Ran 1 ea - 1" X 8' sand screen, 1 ea - 2" X 1-1/2' X 12' RWAC-ZDV PUMP (Pump # CP290), 2' X 3/4" pony, 4 ea. 1-1/4" K-bar(sinker bars), 139 - 3/4", T-54 w/ FST (Norris) RODs, 1 ea - 1-1/4" X 22' Polished rod. Seated w/ light tag.

**11/16/2005 05:30 - 11/16/2005 17:00**

**Last 24hr Summary**

Service, start & warmup equipment. Casing pressure @ 800 P.S.I. Thaw out rig pump.  
 Load tubing w/ 13 bbls of 2% KCL water. Pressure test tubing to 500 P.S.I. for 15 minutes. Held OK. Bleed pressure down to 200 P.S.I. Stroke pump w/ rig to pressure up tubing to 500 P.S.I. Hold pressure for 15 minutes. Held OK. Bleed pressure down to 200 PSI. Close in tubing. Secure well.  
 Rig down to move to next location. Rig released on 11/16/2005 @ 10:45. Final report.