

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. Resrvr.,  
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 NESW SEC 14 T32N R8W 1412 FSL & 1949 FWL  
At top prod. interval reported below  
At total depth SAME AS ABOVE

5. Lease Serial No. NMSF079380  
6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
7. Unit or CA Agreement Name and no. \_\_\_\_\_  
8. Lease Name and Well No. SAN JUAN 32-8 UNIT 265  
9. API Well No. 30-045-32829  
10. Field and Pool, or Exploratory BASIN FRUITLAND COAL  
11. Sec., T., R., M., on Block and Survey or Area K Sec: 14 Twn: 32N  
12. County or Parish SAN JUAN 13. State NEW MEXICO

14. Date Spudded 09/04/2005 15. Date T.D. Reached 09/09/2005 16. Date Completed ☐ D & A ☒ Ready to Prod. 11/03/2005 17. Elevations (DF, RKB, RT, GL)\* 7070 GL

18. Total Depth: MD 4085 TVD 4085 19. Plug Back T.D.: MD 4030 TVD 4030 20. Depth Bridge Plug Set: MD TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) RST; GR/CCL 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625H-40	32.3	0	229		150 sx		0	7 bbls
7.875	5.5 J-55	17.0	0	4080		840 sx		0	40 bbls

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	3988							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	3642'	3742	3642-3742	0.42"	58	Open
B) Basin Fruitland Coal	3938'	3944	3938-3944	0.34"	36	Open
C)						
D)						

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

Depth Interval	Amount and Type of Material
3938-3944	Pumped 25# Delta frac 140 in Pad w/1000# of 40/70 AZ sand @.25 # sand per gal. @ 15 BPM @3970. Pumped 30# Delta frac w/.50 # sand @15 BPM @ 4150 #. Pumped total of 7000# 16/30 Brady
3642-3742	Pumped 25# Delta frac 140 in Pad w/4000# of 40/70 AZ sand @.25 # sand per gal. Frac w/25# Delta frac 140 w/WC SW. 156,000 16/30 Brady sand. Total sand pumped 160,000#. 2695 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
11/07/05	10/24/05	4	→	0	726	240 BWPD			Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2"	SI 110	340	→						

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

NOV 29 2005

FARMINGTON FIELD OFFICE  
BY *[Signature]*

## 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	1059
				Ojo Alamo	2528
				Kirtland	3143
				Fruitland	3535
				Top Coal MD	3640
				B Main Coal MD	3748
				PC Tongue MD	3802
				B Lowest Coal MD	3944
				Top PCCF MD	3966

## 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 ANALYSTSignature *Juanita Farrell*Date 11/17/2005

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.

# Regulatory Summary

ConocoPhillips

SAN JUAN 32 8 UNIT #265

## INITIAL COMPLETION, 9/18/2005 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
300453282900	San Juan	NEW MEXICO	NMPM-32N-08W-14-K	1,412.00	S	1,949.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
7,070.00	36° 58' 49.26" N	107° 38' 48.048" W	9/5/2005	9/10/2005			

## 9/18/2005 07:00 - 9/18/2005 13:00

### Last 24hr Summary

Held safety meeting. RU Schlumberger. Ran RST log from 4020' to 3450'. Ran GR/CCL log from 4020' to surface. Tested 5 1/2" csg to 4500 # for 30 min. Held ok. SWI. RD Schlumberger.

## 9/23/2005 07:00 - 9/23/2005 11:00

### Last 24hr Summary

Held safety meeting. RU Computalog. Perforated the lower Fruitland Coal. RIH w/ 3 1/8: 120 degree HSC perforating gun. Perforated from 3938' - 3942' w/ 4 spf. A total of 16 holes w/ .34 dia. SWI. RD Computalog.

## 9/28/2005 10:00 - 9/28/2005 16:00

### Last 24hr Summary

Held safety meeting. RU Halliburton. Attempted to Frac the Lower Fruitland Coal. Tested lines to 5100 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 1990 #. Pumped 1000 gals of 15% formic acid @ 5 BPM @ 3890 #. Pumped 20 # Delta frac 140 in Pad w/ 600 # of 40 / 70 Arizona sand @ .25 # sand @ 8 BPM @ 3980 #. Attempted to frac the FC. Due to pressure limitations could not frac.

## 9/30/2005 08:00 - 9/30/2005 12:00

### Last 24hr Summary

Held safety meeting. RU Computalog. Reperforated the lower Fruitland Coal. RIH w/ 3 1/8: 120 degree HSC perforating gun. Perforated from 3938' - 3942' w/ 4 spf. A total of 16 holes w/ .34 dia. SWI. RD Computalog.

## 10/1/2005 12:00 - 10/1/2005 17:00

### Last 24hr Summary

Held safety meeting. RU Halliburton. Frac the Lower Fruitland Coal. Tested lines to 5100 #. Set pop off @ 4250 #. Pumped 1000 gals of 28% formic acid @ 5 BPM @ 2930 #. Pumped 25 # Delta frac 140 in Pad w/ 1000 # of 40 / 70 Arizona sand @ .25 # sand per gal. @15 MPM @ 3970 Pumped 30 # Delta 140 Frac w/ .50 # sand @ 15 BPM @ 4150 #. Pumped a total of 7000 # of 16/30 brady sand. Attempted to frac the FC. Due to pressure limitations could not frac. Tagged pad ( all 3 ) w/ Scandium. SWI. RD Halliburton.

## 10/3/2005 14:00 - 10/3/2005 17:00

### Last 24hr Summary

Held safety meeting. RU Computalog. Reperforated the lower Fruitland Coal. RIH w/ 3 1/8: 60 degree HSC perforating gun. Perforated from 3938' - 3944' w/ 6 spf. A total of 36 holes w/ .34 dia. SWI. RD Computalog.

## 10/4/2005 12:00 - 10/4/2005 17:00

### Last 24hr Summary

Pre-trip rig before roading to next location. JSA. Road rig to new location. At 32-8 # 265. Conduct location inspection & JSA. Spot rig to WH. Level rig & prepare to RU unit. Will not raise derrick due to high wind gusts. RU 2" bleed off line. RU rig pump, pit manifold. Secure well, rig & location. SDFN. Travel to yard.

## 10/5/2005 05:00 - 10/5/2005 17:30

### Last 24hr Summary

Travel to location. J.S.A. Service, start, & warmup equipment. Raise derrick & install guy lines. RU Kill line to casing spool. Casing pressure 0 psi. ND Frac head. NUBOP. Change tubing rams from 2-3/8" to 3-1/2". Repair broken fitting on BOP. RU floor & power tongs. Change tong heads. Change segments in slips. Install test plug in tubing hanger. Test BOP blind rams & tubing rams to 250 psi low & 3000 psi high. Tested OK. RD BOP tester. Lunch for crew. Strap & PU 3-1/2" tubing. Ran packer (7.85') & 81 joints of 3-1/2", N-80, 9.2#, EUE tubing. Secure well, rig & location. SDFN. Travel to yard.

## 10/6/2005 05:30 - 10/6/2005 17:30

### Last 24hr Summary

Travel to location. J.S.A. Service, start, & warmup equipment. CASING & TUBING 0 PSI. Finish PU 3-1/2" frac liner. RIH to 3925'. LD 1 joint of tubing. PU 8' sub to space out. Remove stripper head. Set packer. Packer setting to high to flangeup. Unset packer. Pick up to reset packer. Packer will not go back down hole. Work tubing & packer to release Packer. No progress. LD frac head & 8' pup joint. Install stripper head & rubber. TOOH w/ packer. POOH w/ packer. Safety collar on packer sheared. Will not let slips release or re-set. Wait on new packer. TIH w/ new packer. PU frac head. Set packer. Set 20K on packer to set packer in compression. EOP @ 3909'. Load casing. Pressure test between casing & frac liner to 500 psi & hold for 15 minutes. Held OK. Release pressure. Secure well, rig & location. SDFN. Travel to yard.

## 10/7/2005 07:00 - 10/7/2005 15:00

### Last 24hr Summary

Standby day. Wait on frac.

## 10/8/2005 07:00 - 10/8/2005 15:00

### Last 24hr Summary

Standby day. Wait on frac.

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

### Last 24hr Summary

Rig crew on location @ 06:30 hrs. Held safety meeting. RU Halliburton. Attempted to frac the Lower Fruitland Coal. Tested lines to 7600 #. Set pop off @ 6650 #. Loaded hole. Pumped 1000 gals of 28% formic acid @ 5 BPM @ 3340 #. Pumped 30 # Delta frac 140 in Pad @ 30 BPM @ 5289 #. During pad a collar or pkr started leaking on frac string. We had to shut down. SWI. RD Halliburton. Secure well, rig & location. SDFN. Travel to yard.

**10/10/2005 05:30 - 10/10/2005 17:30**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warmup equipment. ND Frac head. LD Frac head. Unset packer. Packer stuck will not move. Tie drilling line back to single fastline. Work packer to release. Will not release. RU Power swivel. Work tubing w/ power swivel to release packer. Packer will not move. Stop working tubing. Establish circulation down backside w/ rig pump. Pump 2% KCL water @ 1.75 BPM & 700 psi. Close tubing rams. Circulation established. Pump 25 bbls of 2% KCL water to circulate well clean. SD rig pump. Open tubing rams. Work tubing to release packer. Pull packer up hole 2' from 3909' to 3907'. Packer will not up or down. Call for freepoint truck. Secure well, rig & location. SDFN. Travel to yard.

**10/11/2005 05:30 - 10/11/2005 17:00**

**Last 24hr Summary**

PU tubing string off slips. Lower tubing to remove Power Swivel. Packer free. Lower packer 4'. Pull up to see if packer will come out of hole. Pull up to 3906' & start to over pull string weight. Hang back power swivel. RU Specialty Wireline Service to run freepoint. RIH w/ freepoint tool. Free point @ 3906'. POOH w/ freepoint tool. PU chemical cutter. RIH w/ chemical cutter. Lower tubing & set EOP @ 3936'. Tag top of packer & pull up 10'. Cut off tubing @ 3920'. POOH w/ cutter. RDWL. Call for Caliper-MSC log from Computalog. TOOH w/ 3.5" tubing frac string. WOWL. J.S.A. & PJSM. RUWL. RIH w/ Computalog 4D-MSC caliper log. Log from 3895' to 3500'. Found egged shaped & pinched casing from 3892' to 3895'. Tool stacked out @ 3895'. 25' above top of fish. Approximately 11' of pinched casing. POOH w/ caliper log. RDWL. Change elevators, slips, tong heads, rams & tubing pickup scissors. Secure well, rig & location. SDFN.

**10/12/2005 05:30 - 10/12/2005 17:00**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warmup equipment. Well dead. Wait on 2-7/8" tubing & 3-1/2" drill collars to be delivered to location. Change out tubing trailers. Very muddy on location. Secure well, rig & location. SDFN. Travel to yard.

**10/13/2005 05:30 - 10/13/2005 17:00**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warmup equipment. Well dead. Replace turbo on rig engine. Turbo replaced. Engine will not start. Timing gear in engine broken. Shut down for the day to repair engine.

**10/14/2005 05:30 - 10/14/2005 17:00**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warm up equipment. Casing pressure 0 P.S.I. Rig engine start to knock & smoke. Call for Mechanic. Mechanic on location. Change injector on #1 cylinder. PU Swedging tools, 6ea - 3.5" drill collars & 2-7/8" tubing work string. LD 2-7/8" Swedging workstring. Change tubing rams, change slip dies, change elevators, tong dies & stripper rubbers from 2-7/8" to 3-1/2". Lunch for crew. TIH w/ 3-1/2" frac string to LD. Change out tubing trailers. LD 3-1/2" frac string. SD operations. Secure well, rig & location. SDFN. Travel to yard.

**10/15/2005 05:30 - 10/15/2005 17:00**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warm up equipment. Casing pressure 0 P.S.I. Finish LD 3-1/2" frac string. Change out tubing rams, elevators, tong dies & slip dies from 3-1/2" to 2-7/8". Load out 3-1/2" tools. RD rig floor & power tongs. WOWL. RUWL. RIH w/ Baker RBP. Set RBP @ 3842'. Pull & slack off to tag RBP. POOH w/ setting tool. LD setting tool. RD FLOOR. NDBOP. NU FRAC VALVE. Load casing w/ 2% kcl water. Close master valve. Pressure test casing, RBP & Frac valve to 2000 PSI. Hold pressure for 10 minutes. Held OK. Release pressure. RUWL. PJSM. RIH w/ FC-COMPUTALOG 3-1/8" HSC 120 DEGREE PP w/ Owen 302g charges @ 0.42" dia. w/ 24" pen. Perforate zone as follows:  
Perfs @ 3710' to 3714'. Shoot 2 shots per foot in 4' for a total of 8 shots.  
Perfs @ 3718' to 3720'. Shoot 2 shots per foot in 2' for a total of 4 shots.  
Perfs @ 3642' to 3647'. Shoot 2 shots per foot in 5' for a total of 10 shots.  
Perfs @ 3726' to 3742'. Shoot 2 shots per foot in 16' for a total of 32 shots.  
Perfs @ 3663' to 3665'. Shoot 2 shots per foot in 2' for a total of 4 shots.  
Run CCL log from 3800' to 3500' to confirm perforations. POOH w/ perf guns. RDWL. RU Frac "Y" on top of frac valves. Spot tubing trailer. Secure well, rig & location. SDFN. Travel to yard.

**10/16/2005 09:00 - 10/16/2005 17:00**

**Last 24hr Summary**

Held safety meeting. RU Halliburton. Frac the Upper Fruitland Coal. Tested lines to 5500 #. Set pop off @ 4250 #. Broke down formation @ 5 BPM @ 1382 #. Pumped 1000 gals of 28% formic acid @ 5 BPM @ 1348 #. Pumped 25 # Delta frac 140 in Pad w/ 4000 # of 40 / 70 Arizona sand @ .25 # sand per gal. Frac the Upper Fruitland Coal w/ 25 # Delta frac 140 w/ WC SW. 156,000 16/30 Brady sand. Total sand pumped 160,000 #. 2695 bbls fluid. Avg rate 35 BPM. Avg pressure 3567 #. Max pressure 4200 #. Max sand cons 5 # per gal. ISIP 4190 #. Frac gradient 1.25 Tagged pad ( all 3 ) w/ IRRIDIUM. SWI. RD Halliburton.

**10/17/2005 05:30 - 10/17/2005 17:00**

**Last 24hr Summary**

ND FRAC "Y". ND Upper frac valve. Install Test plug in tubing hanger bowl. ND Lower frac valve. NUBOP. RU Blooie line. RU BOP tester. Pressure test BOP. Test tubing & blind rams 250 PSI - Low for 10 minutes & 3000 PSI - High for 30 minutes. Both sets held OK. RD BOP tester. Pull test plug out of tuginb hanger bowl. Spot compressor package. RU to PU drill collars. PU 6 ea - 3-1/16" Drill collars & stand back in derrick. Strap & PU 2-7/8" workstring. Tag fill @ 2644'. Ru chicken & kelly hose. Finish RU Air package. Secure well, rig & location. SDFN. Travel to yard.

**10/18/2005 05:30 - 10/18/2005 17:30**

**Last 24hr Summary**

Travel to location. J.S.A. Service, start & warmup equipment. Casing pressure @ 50 Psi. BDW. Pressure test Air discharge line to 1800 PSI. Held OK. Establish circulation. Pump 1600 SCFM Air & 5 BPH 2% KCL Mist w/ 2 gallons foamer & 5 gallons of inhibitor per 20 bbls. Circulation established. 20 - 25 BPH water returns. No sand or condensate. Cleanout from 2644' to 3204'. 15 - 20 BPH water returns & heavy sand. SD Mist pump. Blow Tubing dry. SD Air compressors. PUH to 3553'. Close in well. Reserve Pit full. No place to put returns. WO WATER TRUCK. Water truck on location. RIH to 3204'. Establish circulation. Pump 1600 SCFM Air & 5 BPH 2% KCL Mist w/ 2 gallons foamer & 5 gallons of inhibitor per 20 bbls. Circulation established. 15 - 20 BPH water returns. Lite sand. No condensate. Cleanout from 3204' to 3743'. 15 - 20 BPH water returns & heavy sand. After 1 hour: water returns @ 15 BPH. Sand returns @ trace. SD Mist pump. Blow tubing dry. SD Air compressors. Reserve pit full. PUH to String float @ 2602'. Kill tubing w/ 5 bbls 2% KCL Water. Remove string float. RIH to 3553'. Install string float. Secure well, rig & location. SDFN. Travel to yard.

# Regulatory Summary

ConocoPhillips

SAN JUAN 32 8 UNIT #265

10/19/2005 05:30 - 10/19/2005 17:00

## Last 24hr Summary

Travel to location. ON STANDBY DUE TO BAD WEATHER. WATER TRUCKS HAULING RESERVE PIT WATER TO DISPOSAL. Travel to yard.

10/20/2005 05:30 - 10/20/2005 17:00

## Last 24hr Summary

Travel to location. J.S.A. Service, start & warmup equipment. Casing pressure @ 750 PSI. BDW. RIH & tag fill @ 3740'. RU chickens & kelly hose. Establish circulation. Pump 800 SCFM Air & 5 BPH 2% KCL Mist w/ 2 gallons foamer & 5 gallons inhibitor per 20 BBLs. Well flowing 3 BPH water. No sand. Circulation established. Pump as above. Returns of: 30 BPH water. Trace of sand. No condensate. Cleanout from 3740' to 3840'. Returns of: 25 - 30 BPH Water. Heavy sand. Light tag on RBP @ 3842'. Increase Air rate to 1600 SCFM. PUH 2' & continue to blow well clean. 10:00 hours: returns of 20 - 25 BPH Water. Light Sand (1/4 cup/minute). 12:00 hours: 15 BPH Water. Trace of sand. SD 14:00 hours: Reduce Air rate to 800 SCFM & Mist to 3 BPH. Returns: 12 BPH Water. Trace of sand. 16:00 hours: Reserve pit full. SD Air & mist. PUH to 3553'. Close & lock tubing rams. Secure well, rig & location. SDFN. Travel to yard.

10/21/2005 05:30 - 10/21/2005 17:00

## Last 24hr Summary

Open tubing rams. RIH & Tag fill @ 3825' (15' of fill). RU chickens & kelly hose. Establish circulation. Pump 1600 SCFM Air & 5 BPH 2% KCL Mist w/ 2 gallons foamer & 5 gallons inhibitor per 20 BBLs. Well flowing 5 BPH water. No sand. Circulation established. Pump as above. Returns of: 30 BPH water. Trace of sand. No condensate. Cleanout from 3825' to 3840'. Returns of: 14 BPH Water. Heavy sand. Light tag on RBP @ 3842'. Continue to blow well clean. Returns diminished to: 6 BPH water & trace of sand. SD Air & Mist. PUH to 3553'. Kill tubing w/ 3 bbls of 2% KCL Water. Remove string float. RIH to 3712'. RU for Flow back test. Close tubing rams. Install 1/2" chock on 2" flow back line. EOT set @ 3712'. Open 2" flow line. Perform flowback test. 12:30 = Initial flow pressure TFP = 180 PSI & SICP = 300 PSI. 13:00 = TFP = 140 PSI & SICP = 300 PSI. 13:30 = TFP = 148 & SICP = 360 PSI. Heavy mist (2 BPH water). No sand. 14:00 = TFP = 140 PSI & SICP = 360 PSI. Medium mist (1 BPH water). 14:30 = TFP = 145 PSI & SICP = 340 PSI. Medium mist. 15:00 = TFP = 180 PSI & SICP = 350 PSI. Medium mist. 15:30 = TFP = 180 PSI & SICP = 340 PSI. Light mist (1/2 BPH). 16:00 = TFP = 180 PSI & SICP = 340 PSI. Light mist. 16:30 = TFP = 180 PSI & SICP = 340 PSI. Light mist.

Flow pressure stabilized @ 180 PSI.

1/2" choke co-efficient = 6.6

180 X 6.6 = 1.188 MCFPD

EOT @ 3712'.

Test witnessed by George Kartchner w/ MvCI. Close in well. Remove 1/2" choke from 2" bleed off line. Kill tubing w/ 4 BBLs of 2% KCL water. RD flowback line from tubing. PUH to 3553'. install string float & TIW valve. Secure well, rig & location. SDFN. Travel to yard.

10/24/2005 05:30 - 10/24/2005 17:00

## Last 24hr Summary

Travel to location. J.S.A. Service, start & warmup equipment. Casing pressure @ 1050 P.S.I. BDW. Open tubing rams. RIH from 3553' to tag fill @ 3841' (1 foot of fill). Well flowing @ 15 BPH water. No sand. RU chickens & kelly hose. Establish circulation. Pump 800 scfm & 5 BPH 2% KCL water mist w/ 2 gallons foamer & 5 gallons inhibitor per 20 bbls. Unload well. SD mist pump. Blow tubing dry. SD air compressor. RD chickens & kelly hose. PUH to 3553'. Kill tubing w/ 4 bbls 2% KCL water. Remove string float & install TIW valve. RU flow tee for slick line & logging. Pump down tubing w/ 800 scfm air. Unload well. SD air. RUSL. RIH w/ guage ring & EOT locator on SL to tag EOT & RBP. EOT @ 3560'. RBP @ 3846'. POOH w/ SL. PU Spectroscan & Completion profiler logging tools. RIH w/ same. Run Spectroscan log from 3240' to 3820'. Open 2" flow line w/ 1/2" choke on end of line. Flow well 3 hours to stabilize well. Run Profiler log. Close flow line. Let casing & tubing equilibize. Run Spectroscan log from 3820' to 3240'. POOH w/ logging tools. RD logging tools. Tag fluid @ 3666'. Down load logging tool. Good data. Average FTP @ 100 PSI. SICP @ 340 PSI. BHST @ 3800' @ 129degree. BHSP @ 500 PSI @ 3800'.

THIS TEST IS FOR ALLOCATION!

FC PERFS 3642' TO 3742'.

2-7/8" TUBING SET @ 3553'

1/2" CHOKE COEFFICIENT = 6.6

FTP = 110 PSI

SICP = 340 PSI.

FC PRODUCTION - 6.6 X 110 = 726 MCFPD.

240 BWPD

0 BOPD.

NO SAND.

TEST WITNESSED BY GEORGE KARTCHNER (MvCI)

Secure well, rig & location. SDFN.

Travel to yard.

10/25/2005 07:00 - 10/25/2005 17:30

## Last 24hr Summary

Travel to location. J.S.A. Service, start & warmup equipment. Casing pressure @ 900 P.S.I. Pump AIR @ 800 SCFM to blow well dry. SD air. RUSL. RIH w/ 2.25" guage ring. POOH w/ GUAGE RING. RIH w/ 2.25" pressure plug & set in "F" nipple. Pooh W/ SL. Blow down tubing. Plug holding. RDSL. RD flow Tee & flow line off floor. TOOH w/ tubing & "F" nipple. LD "F" nipple & mule shoe collar. PU RBP catch collar. Lunch for crew. TIH w/ RBP catch collar to 3832'. Secure well, rig & location. SDFN. Travel to yard. POOH w/ RBP. RBP sticking in perfs @ 3740'. Work RBP through perforations. PUH to 3553'. Install TIW valve. Close & lock tubing rams. RU chickens & kelly hose. Establish circulation w/ 800 scfm air & 5 BPH 2% KCL Mist w/ 2 gallons foamer & 5 gallons inhibitor per 20 bbls. Circulation established. Returns of 15 bph water. Cleanout from 3830' to 3842'. Latch on to RBP. continue to blow well bottoms up. Returns clean. Release RBP. Pull up 15'. RIH to 3870'. SD air & mist. RD chickens & kelly hose.

10/26/2005 06:00 - 10/26/2005 17:30

## Last 24hr Summary

COPC Quarterly Safety Meeting. Travel to location. J.S.A. Service, start & warm up equipment. Casing pressure 900 PSI. BDW. Continue TOOH w/ RBP. LD RBP & catcher. PU 4-3/4" Swedge, Jars, accelerator, x-over & 6 3-1/2" drill collars. TIH w/ swedge & tubing. Tag @ 3710'. Lunch for crew. Swedge casing open to 4-3/4" through perforated area from 3710' to 3745'. SD operations & secure well due to lightening in area. Secure rig & location. SDFN. Travel to yard..

# Regulatory Summary

ConocoPhillips

SAN JUAN 32 8 UNIT #265

10/27/2005 05:30 - 10/27/2005 17:30

## Last 24hr Summary

Travel to location. J.S.A. Service, start & warmup equipment. Casing pressure @ 900 P.S.I. Open tubing rams. Remove TIW valve. Swedge casing from 3729' to 3760'. RIH. Tag collapsed casing @ 3884'. Swedge casing open from 3884' to 3901'. Tag top of fish @ 3914'. Work swedge through tight spots from 3884' to 3901'. PUH to 3515'. Tie back to double fast line. TOO H w/ swedging tools. pump 25 bbls of 2% KCL water @ 500' to kill well to get out of hole. Finish TOO H. LD swedge. PU 4-11/16" over shot dressed w/ 3-1/2" grapple. Wait for well to unload. TIH w/ drill collars. Lunch for crew. Finish TIH w/ overshot. Touch tight spots @ 3730' to 3742 & from 3898' to 3901'. Tag fish @ 3924'. Attempt to latch onto fish. No success. Could not latch fish. PUH to 3553'. Install TIW valve. Secure well, rig & location. SDFN. Travel to yard.

10/28/2005 05:30 - 10/28/2005 17:00

## Last 24hr Summary

TOOH w/ over shot. Strap out of hole. Stop tripping @ Drill collars to let well unload. Finish TOO H. LD overshot, jars, change overs, accelerator & bumper sub. PU lead impression block. Caliper, measure & inspect impression block. Block smooth w/ no marks. TIH w/ impression block. PU 3 joints of 2-7/8" tubing. Tag top of fish w/ impression block (1 time). LD 3 joints of 2-7/8" tubing. TOO H w/ impression block. LD impression block & inspect bottom of block. PU overshot, jars, bumpersub, X-over & accelerator. Well flowing. Wait for well to quit flowing. Lunch for crew. TIH w/ overshot fishing assembly & tubing. PU power swivel. Tag fish & attempt to latch onto fish. Rotate & reciprocate tubing to latch fish. Keep slipping off fish. Reduce torque on power swivel. Work down over fish. Latched on to fish. Work tubing & to release packer. Packer released. LD 3 joints of tubing w/ swivel. Hang back power swivel. PUH slowly 10 stands to 3294'. Install TIW valve. Secure well, rig & location. SDFN.

10/31/2005 05:30 - 10/31/2005 17:00

## Last 24hr Summary

BDW. Tie back to double fast line. Open tubing rams. TOO H w/ fish & fishing tools. LD fishing tools & fish. Load put Baker fisherman. Load out Knight Oil toolman. PU 2-7/8" notched collar & "F" Nipple. TIH w/ 2-7/8" muleshoe collar, "F" nipple, string float & 2-7/8" tubing. Tag fill @ 3965'. RU chickens & kelly hose. Establish circulation. Pump 850 SCFM air & 5 BPH 2% KCL water mist w/ 2 gallons foamer & 5 gallons of inhibitor per 20 BBLs. Well flowing 6 BPH. Circulation established. Pump as above. Cleanout from 3965' to 4030' (PBDT.) Blow well clean. Returns of 15 BPH water & light to trace of sand. SD mist pump. Blow tubing dry. Returns of 10 BPH water. No sand. No condensate. LD 2-7/8" tubing. LD 16 joints to string float @ 3553'. Install TIW valve. Secure well, rig & location. SDFN.

11/1/2005 07:30 - 11/1/2005 17:00

## Last 24hr Summary

LD 2-7/8" N-80 tubing.  
TIH & LD 3-1/2" drill collars.  
Load out collar handling tools. Move 2-7/8" tubing trailer. Spot 2-3/8" production tubing trailer. Spot rod trailer. Change tubing rams, slips, elevators & tongs from 2-7/8" to 2-3/8". Remove protectors & strap tubing.  
PU mud anchor. PU 1st joint of tubing & make up connection w/ "F" nipple. Would not make up completely. Backed out tubing. "F" nipple box gaulded. Call for another "F" nipple.  
Wait on "F" nipple.  
Remove pressure plug from gaulded "F" nipple. Install in new "F" nipple.  
Pu mud anchor. Install "F" nipple on bottom of 1st joint. Made up ok. Well starting to kick. Trying to lift mud anchor. LD tubing. Pull mud anchor. Close Blind rams.  
Secure well, rig & location. SDFN.

11/2/2005 05:30 - 11/2/2005 17:00

## Last 24hr Summary

Strap, PU & drift (1.901" O.D.) 2-3/8" Production tubing.  
Run:  
1 EA - 2-1/16" NOTCHED COLLAR (.25') (SET @ 3988')  
1 EA - 2-1/16" SEATING NIPPLE 1.5" I.D. (.85')  
1 EA - 2-1/16" X 2-3/8" CROSSOVER (1.97")  
1 EA - 2-3/8" MUDANCHOR, 1/2" HOLE DRILLED JUST BELOW UPSET (31.07')  
1 EA - "F" NIPPLE 1.78" O.D. (.89") SET @ 3953'  
126 JOINTS - 2-3/8" NEW, J-55, 4.7#, EUE, 8RD TUBING (3922')  
1 EA - 10' X 2-3/8" NEW, J-55, 4.7#, EUE, 8RD TUBING PUP JOINT  
1 EA - 8' X 2-3/8" NEW, J-55, 4.7#, EUE, 8RD TUBING PUP JOINT  
1 JOINT - 2-3/8" NEW, J-55, 4.7#, EUE, 8RD TUBING  
1 EA TUBING HANGER  
RUSL. RIH w/ spear on SL. Punch out pressure disk. Let casing & tubing equilibize. POOH w/ spear. RIH w/ plug retrieving head. Latch onto plug. Jar loose. TOO H w/ plug. RD SL.  
RU to run rods.  
PU 2" X 1-1/2" X 12' RWAC - ZDV PUMP & load w/ water. Stroke test pump. Pumped OK.  
Run: Pump, 2' X 3/4" pony rod, 3 ea 1-1/4" X 25' sinker bars, 154 ea 3/4" sucker rods, 4' pony rod, 22' polished rod w/ stuffing box.  
Secure well, rig & location. SDFN.

11/3/2005 05:30 - 11/3/2005 10:30

## Last 24hr Summary

Service, start & warmup equipment. Casing pressure @ 1000 P.S.I. Tubing pressure @ 0 P.S.I.  
Load tubing w/ 2% KCL water. Test tubing to 250 P.S.I. for 5 minutes & 500 P.S.I. for 15 minutes. Held OK. Bleed down pressure to 200 P.S.I. Longstroke pump w/ the rig. pressure upto 500 P.S.I. Pumped OK. bleed pressure to 200 P.S.I. Shut in & secure well.  
RD equipment to move to new location. Cleanup trash on location.  
RIG RELEASED @ 10.30 A.M. FINAL REPORT.



**END OF WELL SCHEMATIC**

Well Name: San Juan 32-8 #265  
 API #: 30-045-32829  
 Location: 1412' FSL & 1949' FWL  
Sec. 14 - T32N - R8W  
San Juan County, NM  
 Elevation: 7070' GL (above MSL)  
 Drl Rig RKB: 13' above Ground Level  
 Datum: Drl Rig RKB = 13' above GL

Patterson Rig: #747  
 Spud: 5-Sep-05  
 Spud Time: 19:00  
 Release Drl Rig: 10-Sep-05  
 Release Time: 16:00

**Surface Casing** Date set: 6-Sep-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 @ 20:20 hrs on 04-Sep-05  
 Notified NMOCD @ 20:20 hrs on 04-Sep-05

**Production Casing:** Date set: 10-Sep-05  
 Size 5 1/2 in 93 jts  
 Set at 4080 ft 1 pups  
 Wt. 17 ppf Grade J-55  
 Hole Size 7 7/8 in Conn LTC  
 Excess Cmt 160 % Top of Float Collar 4031 ft  
 Pup Jt @ 3543 ft Bottom of Casing Shoe 4080 ft  
 TD of 7-7/8" Hole 4085 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: 4085 ft**SurfaceCement**

Date cmt'd: 6-Sep-05  
 Lead : 150 sx Class G Cement  
+ 2% BWOC S001 Calcium Chloride  
+ 0.25 lb/sx D029 Cellophane Flakes  
1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg  
 Displacement: 15.0 bbls fresh wtr  
 Bumped Plug at: 06:30 hrs w/ 429 psi  
 Final Circ Press: 305 psi @ 0.8 BPM  
 Returns during job: YES  
 CMT Returns to surface: 7 bbls  
 Floats Held: No floats used  
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)  
 W.O.C. for 14.50 hrs (plug bump to test csg)

**Production Cement**

Date cmt'd: 10-Sep-05  
 Lead : 550 sx Standard Class G Cement  
+ 3% D079 Extender  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 0.2% D046 Antifoam  
2.61cuft/sx, 1435.5 cuft slurry at 11.7 ppg  
 Tail : 290 sx 50/50 POZ : Standard cement  
+ 2% D020 Bentonite  
+ 2% S001 Calcium Chloride  
+ 5 lb/sx D024 Gilsonite  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 0.2% D046 Antifoam  
1.27 cuft/sx, 368.3 cuft slurry at 13.5 ppg  
 Displacement: 94.5 bbls  
 Bumped Plug: did not bump  
 Final Circ Press: 920 psi @ 2.0 bpm  
 Returns during job: Yes  
 CMT Returns to surface: 40 bbls  
 Floats Held: X Yes \_\_\_ No

Schematic prepared by:  
 Michael P. Neuschafer, Drilling Engineer  
 14-September-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 @ 187'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 219', 142', 99' & 56'.	Total: 4
5 1/2" Production	DISPLACED W/ 94.5 BBLS. PRODUCED WATER. CENTRALIZERS @ 4070', 3987', 3898', 3814', 3725', 3637', 209', 77' & 32'. TURBOLIZERS @ 2710', 2666', 2622', 2578', 2534' & 2489'.	Total: 9 Total: 6