

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 SWSW SEC 31 T32N R7W 680 FSL & 268 FWL

At top prod. interval reported below

At total depth NWNW SEC 6 T31N R7W 805 FNL & 749 FWL

14. Date Spudded

09/28/2005

15. Date T.D. Reached

10/17/2005

16. Date Completed

☐ D & A ☒ Ready to Prod.

11/12/2005

5. Lease Serial No.  
SF078996

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 220A

9. API Well No.

30-045-32975

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

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

Survey or Area M Sec: 31 Twn: 32N

12. County or Parish

SAN JUAN

13. State

NM

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

6720 GL

18. Total Depth: MD 4185  
TVD 4185

19. Plug Back T.D.: MD 4183  
TVD 4183

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	231		200		0	16 bbl
8.75	7.0 J-55	23.0	0	3758		600		0	23 bbl
6.25	5.5 Liner	15.5	3685	4185		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	4156							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	3801	4116	3801-4116	.75	252	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 3770' to 4185'. Cavitated.

## 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
11/12/05	11/11/05	1	→	0	1191	0			Gas Pumping Unit
Choke 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	15 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 page 2)

ACCEPTED FOR RECORD

JAN 09 2006

FARMINGTON FIELD OFFICE

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	933
				Ojo Alamo	1403
				Kirtland	2523
				Fruitland	3253
				Top Coal MD	3801
				B Main Coal MD	3921
				PC Tongue MD	3992
				B Lowest Coal MD	4116
				Top PCCF MD	4120

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.

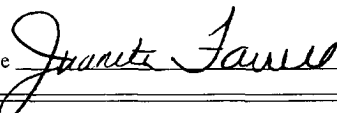
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ 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 12/18/2005

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.

ConocoPhillips

**END OF WELL SCHEMATIC**

Well Name: San Juan 32-7 #220A  
 API #: 30-045-32975  
 Location: 680' FSL & 268' FWL  
Sec. 31 - T32N - R7W  
San Juan County, NM  
 Elevation: 6720' 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: 28-Sep-05  
 Spud Time: 15:30  
 Release Drl Rig: 6-Oct-05  
 Time Release Rig: 10:00  
 Move In Cav Rig: 10/12/2005  
 Release Cav Rig: 11/12/2005

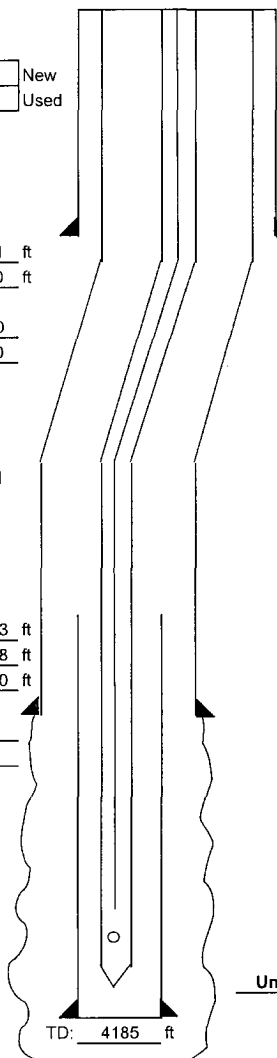
**Surface Casing** Date set: 28-Sep-05  
 Size 9 5/8 in  
 Set at 231 ft # Jnts: 5  
 Wt. 32.3 ppf Grade H-40  
 Hole Size 12 1/4 in Conn STC  
 Excess Cmt 125 %  
 T.O.C. SURFACE

Csg Shoe 231 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: 6-Oct-05  
 Size 7 in 89 jts  
 Set at 3758 ft 0 pups  
 Wt. 23 ppf Grade J-55  
 Hole Size 8 3/4 in Conn LTC  
 Excess Cmt 160 % Top of Float Collar 3713 ft  
 T.O.C. SURFACE Bottom of Casing Shoe 3758 ft  
 Pup @ 0 ft TD of 8-3/4" Hole 3770 ft  
 Pup @ 0 ft  
 Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
 Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Production Liner** Date set: 10-Nov-05  
 Size 5 1/2 in  
 Nominal Wt. 15.5 ppf  
 Grade J-55  
 # Jnts: 11  
 Hole Size 6.25/9.5 inches  
 Underreamed 6-1/4" hole to 9.5" from 3770' to 4185'  
 Top of Liner 3685 ft  
 PBDT 4183 ft  
 Bottom of Liner 4185 ft

**Surface Cement**

Date cmt'd: 28-Sep-05  
 Lead : 200 sx Class G Cement  
+ 3% S001 Calcium Chloride  
+ 0.25 lb/sx D029 Cellophane Flakes  
1.16 cuft/sx, 232.0 cuft slurry at 15.8 ppg  
 Displacement: 16.5 bbls fresh wtr  
 Bumped Plug at: Did not bump plug  
 Final Circ Press: 20 psi @ 2.0 bpm  
 Returns during job: YES  
 CMT Returns to surface: 16 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)

**Intermediate Cement**

Date cmt'd: 6-Oct-05  
 Lead : 500 sx Standard Cement  
+ 3% D079 Extender  
+ 0.25 lb/sx D029 Cellophane Flakes  
+ 0.2% D046 Antifoam  
0  
2.61 cuft/sx, 1305.0 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 Gilsonite  
+ 0.25 lb/sx D029 Cellophane Flakes  
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg

Displacement: 146 bbls  
 Bumped Plug at: 03:00 hrs w/ 1245 psi  
 Final Circ Press: 728 psi @ 2.1 bpm  
 Returns during job: YES  
 CMT Returns to surface: 23 bbls  
 Floats Held: X Yes \_\_\_ No

**Uncemented Liner**

Schematic prepared by:  
 Michael Neuschafer, Drilling Engineer  
 14-December-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 @ 200', 143', 100' & 57'. Total: 4
7" Intermediate	DISPLACED W/ 146 BBLs. WATER TANDEM RISE CENTRALIZERS @ 3730', 3669', 3583', 3412', 3327', 3242', 3156', 3070', 2984', 425', 240', 210', 82', 40'. TURBOLIZERS @ 2941', 2899', 2856', 2814'. 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). Total: 4
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perf. Intervals: 4112'-4116', 4102'-4106', 4071'-4073', 4050'-4052', 3973'-3977', 3917'-3931', 3872'-3880', 3858'-3865', 3836'-3840', 3811'-3818', & 3801'-3808'. : Total 252 holes
Tubing	2 1/16" notched collar attached to 1 1/2" FN, XO, 31.2' x 2 3/8" mud anchor, and 2 3/8" x 1.78" FN. Run with 130 joints 2 3/8" 4.7 ppf J-55 EUE tubing. Bottom of Notched Collar at 4156'. Top of F-Nipple at 4122' MD RKB.
Pump & Rods	2" x 1-1/2" x 14' RWAC-ZDV insert pump, 16 each 1 1/4" x 25' sinker bars, 104 ea 25' x 3/4" guided rods (5 guides per rod) and 43 ea 25' x 7/8" guided rods (8 guides per rod). Spaced out with 1 ea 6' & 8' and 2 ea 4' of rod subs. Run with 22' x 1 1/4" Polished rod. Set pump in F-Nipple at 4122' RKB.



# Regulatory Summary

## SAN JUAN 32 7 UNIT #220A

### INITIAL COMPLETION, 10/12/2005 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
300453297500	San Juan	NEW MEXICO	NMPM-32N-07W-31-M	680.00	S	268.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,720.00	36° 56' 3.192" N	107° 37' 0.876" W	9/28/2005				

### 10/12/2005 07:00 - 10/13/2005 06:00

#### Last 24hr Summary

PRE JOB SAFETY MEETING, RIG CREW & TRUCKING. LOAD OUT EQUIPMENT. MOVE RIG & EQUIPMENT TO NEW LOCATION SPOT IN EQUIPMENT & RIG, MUDDY LOCATION. SHUT DOWN NIGHT. FOR

### 10/13/2005 07:00 - 10/14/2005 06:00

#### Last 24hr Summary

PRE JOB SAFETY MEETING. RIGGING UP RIG & EQUIPMENT, INSPECT B/OOIE LINES, NIPPLE UP BOPS.

### 10/14/2005 07:00 - 10/15/2005 06:00

#### Last 24hr Summary

PRE JOB SAFETY MEETING FINISH RIGGING UP EQUIPMENT. PRESSURE TEST CASING, 250 PSI FOR 10/MIN, 1800 PSI FOR 30/MIN, HELD, PRESSURE TEST RAMS AS PER COPC REQUIREMENTS, HELD. PICK UP & GO IN HOLE WITH 6-1/4" BIT, 4-1/8" COLLARS & 2-7/8" DP, FLOOR HAND INJURED, SHUT DOWN, INVESTIGATE INCIDENT.

### 10/15/2005 07:00 - 10/16/2005 06:00

#### Last 24hr Summary

PRE JOB SAFETY MEETING, DISCUSS ACCIDENT & CORRECTIVE ACTIONS RIG UP PICK UP LINE FOR DP. PICK UP & RUN IN HOLE WITH 2-7/8" DP. RIG UP SWIVEL, UNLOAD HOLE, START DRILLING OUT CMT, SWIVEL BROKE DOWN. WAIT ON MECH. REMOVED HYDROLIC MOTER, TAKE TO TOWN FOR REBUILD

### 10/16/2005 06:00 - 10/17/2005 06:00

#### Last 24hr Summary

WAIT ON MECHANIC PRE JOB MEETING, CREW CHANGE, RIG SERVICE. WAIT ON MECHANIC INSTALL NEW HYDROLIC MOTER ON POWER UNIT. POWER UNIT STILL WOULD NOT WORK. WAIT ON HYDROLIC MECHANIC, CHANGE OUT PUMPS ON POWER UNIT SWIVEL, WORK ON POWER UNIT. DRILL OUT CMT, & SHOE, START DRILLING OUT OPEN HOLE

### 10/17/2005 06:00 - 10/18/2005 06:00

#### Last 24hr Summary

DRILLING OUT OPEN HOLE WITH 1400 CFM AIR/MIST, 10 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, POWER UNIT FOR SEIVEL BROKE DOWN. PRE JOB MEETING, CREW CHANGE, RIG SERVICE. POWER UNIT WOULD NOT TORK UP SWIVEL, GOT HYDROLICS WORKING, CONTINUE DRILLING. DRILL OUT OPEN HOLE TO 4185', CIRCULATE HOLE CLEAN, CUT OFF WATER, DRY UP HOLE, PULL BIT INTO 7" FOR FLOW TEST. FLOW TEST WELL, 15/MIN=6 PSI-1.5 PETO=190MCF, 30/MIN=6 PSI-1.5 PETO=190MCF, 45/MIN=6 PSI-1.5 PETO=190MCF, 60/MIN=6 PSI-1.5 PETO=190MCF, SHUT IN FOR BUILD UP TEST, ISIP=8 PSI, 15/MIN=83 PSI, 30/MIN=175 PSI, 45/MIN=235 PSI, 60/MIN=275 PSI, RELEASE PRESSURE AS NATURAL SURGE. POOH, LAY DOWN BIT. MAKE UP UNDER REAMER, GO IN HOLE TO 3765'. RIG UP SWIVEL, OPEN UP UNDER REAMER, UNDER REAM OPEN HOLE

### 10/18/2005 06:00 - 10/19/2005 06:00

#### Last 24hr Summary

UNDER REAMING OPEN HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, CIRCULATING PRESSURE 700 PSI. PRE JOB MEETING, CREW CHANGE, RIG SERVICE. UNDER REAMING OPEN HOLE TO 4185' TD CIRCULATE HOLE CLEAN WITH AIR/MIST, PULL UP INTO 7", RIG DOWN SWIVEL. POOH, LAY DOWN & LOAD OUT TOOLS. MAKE UP BIT, GO IN HOLE, CHECK FOR FILL. NO FILL, CIRCULATE HOLE, MAKE SURE HOLE IS CLEAN, UNLOADED 10 BBLS OF WATER. CUT OFF WATER, DRY UP HOLE, PULL INTO 7" FLOW TEST, 15/MIN 6 PSI-1.5 PETO=190 MCF, 30/MIN 6 PSI-1.5 PETO=190 MCF, 45/MIN 6 PSI-1.5 PETO=190 MCF, 60/MIN 6 PSI-1.5 PETO=190 MCF, SHUT IN FOR BUILD UP TEST, ISIP 8 PSI, 15/MIN=90 PSI, 30/MIN=160 PSI, 45/MIN=230 PSI, 60/MIN=280 PSI, 75/MIN=315 PSI, 90/MIN=345 PSI, 105/MIN=360 PSI, 120/MIN=370 PSI, 135/MIN=380 PSI, 150/MIN=380 PSI, 165/MIN=380 PSI, 180/MIN=380 PSI, 195/MIN=380 PSI.

### 10/19/2005 06:00 - 10/20/2005 06:00

#### Last 24hr Summary

WAITING ON ORDERS. PRE JOB MEETING, CREW CHANGE, RIG SERVICE. WAITING ON ORDERS. BLEED OFF PRESSURE, RUN IN HOLE, TAG 15' FILL, CLEAN OUT FILL, CIRCULATE HOLE CLEAN. PULL INTO 7" LET WELL FLOW NATURAL. RUN IN HOLE, CHECK FOR FILL, NO FILL, CIRCULATE HOLE, UNLOAD 20 BBLS WATER, CIRCULATE HOLE CLEAN. PULL INTO 7", RIG DOWN SWIVEL, POOHSTANDING BACK DP & DCS.

### 10/20/2005 06:00 - 10/21/2005 06:00

#### Last 24hr Summary

CHANGING OVER TO RUN BRIDG PLUG. CREW CHANGE, PRE JOB MEETING, MUDDY CONDITIONS ON LOCATION. UNLOAD TOOLS FROM PICKUP, MAKE UP BRIDG PLUG ON DP. RUN IN HOLE WITH BRIDG PLUG TO 1300', SET BRIDG PLUG. LOAD HOLE WITH PRODUCED WATER, PRESSURE TEST BRIDG PLUG TO 500 PSI, HELD. PULL OUT OF HOLE. RIG DOWN RIG FLOOR & EQUIPMEN, REMOVE BLOOIE LINES FROM BOP STACK, START NIPPLING DOWN WELL HEAD TO INSTALL BSECTION, ORDERS WAS CHANGED, RETIGHTEN WELL HEAD BOLTS, PRESSURE TEST WELL HEAD 200 PSI FOR 10/MIN & 1800 PSI FOR 30/MIN, HELD. RIG FLOOR & BLOOIE LINES BACK UP. RUN IN HOLE WITH RETRIVING TOOL, LATCH ONTO PLUG, OPEN BY PASS UNLOAD WATER ON TOP OF PLUG, LET WELL BLOW DOWN, RELEASED BRIDG PLUG, POOH LAY DOWN TOOLS. MAKE UP BIT ON DC, RUN IN HOLE WITH BIT, COLLARS & DRILL PIPE TO BOTTOM OF 7", SHUT IN SECURE WELL FOR NIGHT.



## Regulatory Summary

### SAN JUAN 32 7 UNIT #220A

10/21/2005 07:00 - 10/22/2005 06:00

**Last 24hr Summary**

PRE JOB SAFTY MEETING,CHECK PRESSURE, 900 PSI ON CASING. BLEED OFF PRESSURE SLOWLY THREW CHOKE MANIFOLD, THI FROM SHOE, CHECK FOR FILL, NO FILL, PULL BACK UP INTO 7", CONDUCT 4 5 BBL PADDED SURGES, RETURNS LITE FINES AFTER LAST SURGE, CIRCULATE HOLE AT SHOE, WITH 1800 CFM AIR/MIST,10 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, RETURNS 2 BKTS DOWN TO LESS THAN 1 BKT PER HR COAL FINE GRANULAR COAL. TIH FROM BOTTOM OF 7" TO 3817', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, 1 GAL FOAMER &1/4 GAL INHIBITOE PER 10 BBLS, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL RETURNS SLOWED TO LESS THAN 1 BKT PER HR, GO IN HOLE, TAG FILL AT 3874', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, 1 GAL FOAMER &1/4 GAL INHIBITOR PER 10 BBLS, RETURNS INCREASED TO 6 BKTS PER HR OF FINE GRANULAR COAL

10/22/2005 06:00 - 10/23/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3874', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, 1 GAL FOAMER &1/4 GAL INHIBITOR PER 10 BBLS, RETURNS 6 BKTS PER HR OF FINE GRANULAR COAL CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT FROM 3874', TO 3904' CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 6 BKTS PER HR OF FINE GRANULAR COAL

10/23/2005 06:00 - 10/24/2005 06:00

**Last 24hr Summary**

R&R CLEANING OUT FROM 3874', TO 3904' CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 6 BKTS PER HR OF FINE GRANULAR COAL, CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT AT3904' CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 6 BKTS PER HR SLOWED TO 2 BKTS PER HR OF FINE GRANULAR COAL, R&R CLEANING OUT FROM 3904' TO 3968', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 3 BKTS PER HR OF FINE GRANULAR COAL,

10/24/2005 06:00 - 10/25/2005 06:00

**Last 24hr Summary**

R&R CLEANING OUT AT3968', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 3 BKTS PER HR OF FINE GRANULAR COAL, CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT FROM 3968' TO 4120', CIRCULATE HOLE WITH 1700 CFM AIR/MIST, 10 BPH WATER, RETURNS 3 BKTS PER HR SLOWED DOWN TO 1 BKT PER HR OF FINE GRANULAR COAL, PULL BIT INTO 7" TO CONDUCT SURGES. CONDUCT 4 PADDED SURGES,PUMPED 5 BBL PADS WITH SURGES, RETURNS LITE FINES AFTER LAST SURGE, CIRCULATE HOLE AT SHOE, WITH 1700 CFM AIR/MIST,10 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, WELL MAKING 2 BKTS PER HR COAL FINE GRANULAR COAL. RUN IN HOLE FROM SHOE, TAG FILL AT 3817', CLEAN OUT WITH AIR/MIST, WELL MAKING 3 TO 4 BKTS PER HR OF FINE GRANULAR COAL.

10/25/2005 06:00 - 10/26/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3817', CLEAN OUT WITH AIR/MIST, WELL MAKING 3 TO 4 BKTS PER HR OF FINE GRANULAR COAL. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT FROM 3817' TO 3874' CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS.

10/26/2005 06:00 - 10/27/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3874', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT FROM 3874', TO 3905', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS 1 TO 2 BPH WATER.

10/27/2005 06:00 - 10/28/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3905', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS 1 TO 2 BPH WATER, CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE.. CLEANING OUT AT 3905', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS 1 TO 2 BPH WATER, HOLE STARTED GETTING TIGHT, PULLED & LAYED DOWN 1 JT, R&R AT 3874', RETURNS INCREASED TO 6 BKTS PER HR

10/28/2005 06:00 - 10/29/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3874', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS 90% COAL, 10 % SHALE 1 TO 2 BPH WATER, HOLE TIGHT. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT AT 3874', CLEAN OUT WITH AIR/MIST, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90% COAL, 10 % SHALE , 1 TO 2 BPH WATER.HOLE STAYING TIGHT, INCREASED FOAMER TO 1-1/2 GAL PER 10 BBLS, INCREASED WATER TO 14 BPH.

10/29/2005 06:00 - 10/30/2005 06:00

**Last 24hr Summary**

CLEANING OUT AT 3874', CLEAN OUT WITH 1700 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90% COAL, 10 % SHALE HOLE TIGHT. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT AT 3874', CLEAN OUT WITH 1700 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90% COAL, 10 % SHALE HOLE TIGHT, ADD THIRD COMP., PRESSURE INCREASED FROM 450 PSI TO 600 PSI, HOLE STARTING TO FREE UP.

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

**Last 24hr Summary**

CLEANING OUT AT 3874', CLEAN OUT WITH 1900 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, WELL MAKING 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90 % COAL, 10 % SHALE, WELL MAKING 1 TO 2 BPH WATER. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT FROM 3874' TO 3904', CLEAN OUT WITH 1900 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, WELL MAKING 4 BKTS PER HR DOWN TO 2 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90 % COAL, 10 % SHALE, WELL MAKING 1 TO 2 BPH WATER.



# Regulatory Summary

## SAN JUAN 32 7 UNIT #220A

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

### Last 24hr Summary

CLEANING OUT AT 3904', CLEAN OUT WITH 1900 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, WELL MAKING 2 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 90 % COAL, 10 % SHALE, WELL MAKING 1 TO 2 BPH WATER. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. CLEANING OUT FROM 3904' TO 4092', CLEAN OUT WITH 1900 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, CIRCULATING PRESSURE 600 PSI, WELL MAKING 3 TO 4 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 80 % COAL, 20 % SHALE, WELL MAKING 1 TO 2 BPH WATER.

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

### Last 24hr Summary

CLEANING OUT AT 4092', CLEAN OUT WITH 1900 CFM AIR/MIST, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, CIRCULATING PRESSURE 600 PSI, WELL MAKING 3 BKTS PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 80 % COAL, 20 % SHALE, WELL MAKING 1 TO 2 BPH WATER, WAITING ON NEW PULLIES FOR POWER SWIVEL STIFF ARMS. CON ROTATE SWIVEL. CREW CHANGE, PRE JOB SAFTY MEETING, RIG SERVICE. WAITING FOR NEW PULLIES FOR STIFF ARMS ON POWER SWIVEL, CIRCULATING HOLE AT 4092' CLEANING OUT FROM 4092' TO 4120' CLEAN OUT WITH 1900 CFM AIR/MIST, ONE OF THE COMPRESSORS BROKE DOWN, DROP AIR BACK TO 1600 CFM, 1-1/2 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, PUMPING 14 BPH WATER, CIRCULATING PRESSURE 600 PSI, WELL MAKING 3 BKTS DOWN TO LESS THAN 1 BKT PER HR OF FINE GRANULAR COAL WITH SOME 1/8" CHIPS, 80 % COAL, 20 % SHALE, WELL MAKING 1 TO 2 BPH WATER. CUT OFF WATER, DRY UP HOLE PULL BIT INTO 7" FOR FLOW TEST.

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

### Last 24hr Summary

FLOW TEST 60MIN- 1 3/4PSI(801MCFD). SI FOR 60 MIN BUILD UP- 220PSI. PERFORM 4 PADDED SURGES. R&R CO RUNNING COAL @ 7" CSG SHOE.

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

### Last 24hr Summary

R&R CO COAL FR 3750'- 3905' W/ 2200CFM AIR- MIST.

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

### Last 24hr Summary

R&R CO COAL FR 3875'- 3905' W/ 2200 CFM AIR- MIST. CHANGE OUT AIR COMPRESSORS. R&R CO COAL FR 3875'- 3905' W/ 2200 CFM AIR- MIST.

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

### Last 24hr Summary

R&R CLEANING OUT FROM 3875'- 3905' W/ 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR PR 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 4 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE. CREW CHANGE, SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT FROM 3875'- 3905' W/ 2200 CFM AIR/ MIST. CIRCULATING PRESSURE- 550 PSI. RETURNS OF HVY COAL CHIPS & FINES. 4 BKTS PR HR 90% COAL, 10% SHALE.

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

### Last 24hr Summary

R&R CLEANING OUT FROM 3875' TO 3905' WITH 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR PR 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 4 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE. CREW CHANGE, SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT FROM 3875'- 3905' WITH 2200 CFM AIR/ MIST. CIRCULATING PRESSURE- 550 PSI. RETURNS OF HVY COAL CHIPS & FINES. 4 BKTS PR HR 90% COAL, 10% SHALE.

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

### Last 24hr Summary

R&R CLEANING OUT FROM 3875' TO 3905' WITH 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR PR 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 4 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE. CREW CHANGE, SAFTY MEETING, RIG SERVICE.

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

### Last 24hr Summary

R&R CLEANING OUT FROM 3905' TO 4051' WITH 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR, 1-1/2 GAL POLYMER PR 10 BBLS OF WATER. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE CREW CHANGE, SAFTY MEETING, RIG SERVICE. R&R CLEANING OUT FROM 4051' TO 4185' WITH 2200 CFM AIR/ MIST. CIRCULATING PRESSURE- 550 PSI. RETURNS OF HVY COAL CHIPS & FINES 3 BKTS PER HR 80% COAL, 20% SHALE. CIRCULATE ON BOTTOM, CIRCULATE HOLE CLEAN.

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

### Last 24hr Summary

R&R CLEANING OUT AT 4185' WITH 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR, 1-1/2 GAL POLYMER PR 10 BBLS OF WATER. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 BKTS DOWN TO 1-1/2 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE. CREW CHANGE, SAFTY MEETING, RIG SERVICE. PULL BIT INTO 7", CHANGE OUT DRILLING LINE. LET WELL FLOW OUT BLOOEI LINES. TIH FROM SHOE, TAG TIGHT SPOT AT 3885', CIRCULATE HOLE WITH AIR/MIST, WORK THREW TIGHT SPOT, GO IN HOLE TAG BRIDGS AT 3980' & 4110', CIRCULATED OUT BRIDGES, GO IN HOLE TO TD WELL MAKING 3 BKTS PER HR 80% COAL 20% SHALE. CIRCULATE HOLE WITH AIR/MIST, RETURNS 3 BKTS DOWN TO 1 BKT PER HR

**11/10/2005 06:00 - 11/11/2005 06:00****Last 24hr Summary**

R&R CLEANING OUT AT 4185' WITH 2200 CFM AIR/MIST 12 BPH MIST W/ 1 GAL FOAMER+ 1/2 GAL INHIBITOR, 1-1/2 GAL POLYMER PR 10 BBLs OF WATER. CIRCULATING PRESSURE- 550PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 1-1/2 BKTS PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE. CREW CHANGE, SAFTY MEETING, RIG SERVICE. CLEANING OUT AT 4185' WITH 2200 CFM AIR/MIST RETURNS 1 BKT PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE, PUMP 5 BBL SWEEP, SWEEP CAME BACK CLEAN, PULL BIT INTO 7", RIG DOWN SWIVEL. POOH WITH DP & DCS, STANDING BACK. PICK UP H-LATCH LINER TOOL, MAKE UP ON JT OF DP, LAY DOWN ON PIPE RACK. PICK UP 5-1/2" 15.50 LT&C CASING, MAKE UP SHOE WITH BIT ON BOTTOM, RUN IN HOLE WITH 11 JTS OF CASING, INSTALL H-LATCH ON TOP JT OF CASING, RUN IN HOLE. CHANGE OVER TO DP, RUN IN HOLE TO 3758', PICK UP SINGLES, GO IN HOLE, WORKING PIPE DOWN, SET LINER ON BOTTOM AT 4185'. J OFF H-LATCH, LINER TOP. AT 3685', WITH 73' OF OVER LAP. POOH LAYING DOWN DP. START RIGGING DOWN UNNECESSARY EQUIPMENT..

**11/11/2005 06:00 - 11/12/2005 06:00****Last 24hr Summary**

RIGGING DOWN EQUIPMENT CREW CHANGE, SAFTY MEETING, RIG SERVICE. RIG UP BLUE JET, LOG & PERFERATE WELL, PERFS AS FOLLOWS, 4112-4116. 4102-4106, 4071-4073, 4050-4052, 3973-3977, -3917-3931, 3872-3880, 3858-3865, 3836-3840, 3811-3818, 3801-3808. RIG DOWN BLUE JET. BLOW DOWN WELL, RUN 4" COLLARS IN HOLE, PULL & LAY COLLARS DOWN. FLOW TEST WELL, 15/MIN 15 PSI 3.75 PETO=1191 MCF, 30/MIN 15 PSI 3.75 PETO=1191 MCF, 45/MIN 15 PSI 3.75 PETO=1191 MCF, 60/MIN 15 PSI 3.75 PETO=1191 MCF, PICK UP & RUN IN HOLE WITH PRICE TYPE BHA & 2-3/8" TBG TO 4122', SHUT IN SECURE WELL FOR NIGHT

**11/12/2005 07:00 - 11/13/2005 00:00****Last 24hr Summary**