

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, 20001a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,  
Other \_\_\_\_\_2. Name of Operator  
ConocoPhillips Co.3. Address  
P.O. Box 2197, WL3-6085 Houston Tx 772523.a Phone No. (include area code)  
(832) 486-2463

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

At Surface Sec 11 T27N R7W SESW 660FSL 2325FWL

At top prod. interval reported below

At total depth

14. Date Spudded  
06/10/200515. Date T.D. Reached  
06/17/200516. Date Completed  
☐ D & A ☒ Ready to Prod.  
09/13/200518. Total Depth: MD 7650  
TVD19. Plug Back T.D.: MD 7647  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)  
CBL; TDT; GR/CCL22. 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	9.625 H40	32.3	0	229		150		0	
8.75	7 J-55	20	0	3461		585		0	
6.25	4.5 N-80	11.6	0	7650		470		1930	

## 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	7631							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7377'	7560'	7377' - 7560'	.34	69	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7377' - 7560'	Frac'd w/ Slickwater @ 1.25g/mg FR; 35,000# 20/40 Carbolite sand & 3932 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
9/13/05	9/12/05	24	→	5	2310	25			Flows from Well
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	350	730	→					GSI	

## 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 reverse side)

5. Lease Serial No.  
NMSF078972

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.  
NMNM 78413C

8. Lease Name and Well No.

San Juan 28-7 Unit 124F

9. API Well No.

30-039-27068

10. Field and Pool, or Exploratory

Basin Dakota

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

Survey or Area Sec 11 T27N R7W

12. County or Parish

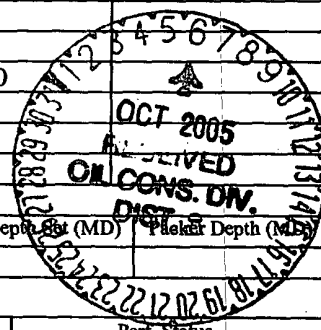
Rio Arriba

13. State

NM

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

6559 GL



ACCEPTED FOR RECORD

OCT 04 2005

FARMINGTON FIELD OFFICE  
BY [signature] NMCD

## 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.)

Vented

## 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	1159
				Ojo Alamo	2373
				Kirtland	2460
				Fruitland	2883
				Pictured Cliff	3106
				Otero/Chacra	4072
				Cliffhouse	4781
				Menefee	4879
				Pt. Lookout	5375
				Greenhorn	7275
				Cubero	7503

## 32. Additional remarks (include plugging procedure):

New downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Daily summary report and End of Well Schematic is attached.

## 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) Christina GustartisTitle Regulatory SpecialistSignature Chris GustartisDate 09/30/2005

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.

**INITIAL COMPLETION, 06/25/2005 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
300392706800	RIO ARRIBA	NEW MEXICO	NMPM-27N-07W-11-N	660.00	S	2,325.00	W
Ground Elevation (ft)		Latitude (DMS)		Longitude (DMS)		Spud Date	
6,559.00		36° 35' 1.5108" N		107° 32' 39.2604" W		06/10/2005	
						Rig Release Date	
						06/17/2005	

**06/25/2005 00:00 - 06/25/2005 00:00**
**Last 24hr Summary**

Held safety meeting. RU Schlumberger. Pressured up on 4 1/2" CSG to 2000 #. Ran CBL log from 7614' to 1700'. Top of cement @ 1930'. Ran TDT log from 7614' to 2150'. Ran GR/ccl log from 7614' TO surface. RD Schlumberger.

**07/01/2005 12:00 - 07/01/2005 15:00**
**Last 24hr Summary**

Held safety meeting. RU Isolation tool. pressure tested 4 1/2" csg to 6700 # for 30 min. Held ok. SWI. RD Isolation tool.

**07/05/2005 14:00 - 07/05/2005 18:00**
**Last 24hr Summary**

Held safety meeting. RU Computalog. Perforated the Dakota. RIH W/ 3 1/8" 120 degree pp Select fire perforating gun. Perforated from 7377' - 7395' W/ 1 SPF, 7404' - 7419' W/ 1 SPF, 7505' - 7522' w/ 1 spf, 7536' - 7547' w/ 1 spf, 7557' - 7560' w/ 1 spf. A total of 69 holes @ 0.34 DIA. SWI. RD Computalog.

**07/06/2005 07:00 - 07/06/2005 15:00**
**Last 24hr Summary**

Held safety meeting. RU Schlumberger. Fac'd the Dakota. Tested lines to 6000 #. Set pop off @ 4800 #. Broke down formation @ 5 bpm @ 2023 #. Pump pre pad @ 41 bpm @ 2511 #. Stepped down rate to 35 bpm @ 2108 #. Stepped down rate to 20 bpm @ 1599 #. Stepped down rate to 15 bpm @ 1382 #. Stepped down rate to 10 bpm @ 1297 #. ISIP 1256 #. 5 min 572 #. 10 min 228 #. 15 min 85 #. 20 min 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 689 #. Frac'd the Dakota w/slickwater @ 1.25 g/mg FR, 35,000 # 20/40 Carbolite sand & 3932 bbls fluid. Avg rate 50 bpm. Avg pressure 2854 #. Max pressure 3157 #. Max sand cons .40 # per gal. ISIP 2170 #. Frac gradient .61. SWI. RD Schlumberger.

**07/07/2005 07:00 - 07/07/2005 15:00**
**Last 24hr Summary**

Held safety meeting. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5580'. Tested plug to 4300 #. Held ok. Perforated the Mesaverde w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 4791' - 4795' w/ 1/2 spf, 4836' - 4840' w/ 1/2 spf, 4849' - 4853' w/ 1/2 spf, 4866' - 4876' w/ 1/2 spf, 5378' - 5396' w/ 1/2 spf, 5402' - 5408' w/ 1/2 spf, 5415' - 5437' w/ 1/2 spf, 5466' - 5472' w/ 1/2 spf. A total of 35 holes w/ 0.34 dia. RU Schlumberger. Broke down & set pressure gauges @ 5368' on the Point Lookout perms 5378' to 5472'. Broke down & set pressure gauges @ 4781' on the Cliffhouse perms 4791' to 4876'. SWI. RD Computalog & Schlumberger.

**07/10/2005 13:00 - 07/10/2005 17:00**
**Last 24hr Summary**

Held safety meeting. RU Computalog. Pulled pressure gages set over the point lookout & Cliffhouse. RD Computalog.

**07/12/2005 10:00 - 07/12/2005 17:00**
**Last 24hr Summary**

Held safety meeting. RU Schlumberger. Frac'd the Mesaverde. Tested lines to 5300 #. Set pop off @ 3850 #. Broke down formation @ 3 bpm @ 950 #. Pumped pre pad @ 30 bpm @ 835 #. Stepped down rate to 25 bpm @ 550 #. Stepped down rate to 20 bpm @ 388 #. Stepped down rate to 15 bpm @ 0 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 5 bpm @ 0 #. Frac'd the Mesaverde w/ 60 Q slick foam w/ 1 g/mg FR, 200,000 # 20/40 Brady sand, Treated the last 15% of proppant volume with propnet for proppant flowback control, 2,360,900 SCF N2 & 2323 bbls fluid. Avg rate 65 bpm. Avg pressure 2657 #. Max pressure 2715 #. Max sand cons 1.50 # per gal. ISIP 1620 #. Frac gradient .44. SWI. RD Schlumberger. Started flowback.

**08/10/2005 05:30 - 08/10/2005 17:00**
**Last 24hr Summary**

Held PJSM. NUBlooe line, RU air manifold and lines. Weld on and repair rig. Bled off casing to 350 psi. Killed well with 40 bbls of 2% KCL water. TIH w/ 1.81" F N, and bit sub on 2 3/8" tbg. Tagged sand @ 5496' had 79' of fill on top of CBP. Pull up to 4632'. SION.

**08/11/2005 05:30 - 08/11/2005 17:00**
**Last 24hr Summary**

TIH to top of fill @ 5496'. MIRU H&H Wireline to pull "F" Plug. TIH w/ Jars and shear prong. Punctured Disc. POOH. GIH W/ releasing tool and Jars. Tools stopped 20' above F nipple. POOH. Tools were packed with sand. Pumped Air/Mist to CO Tubing. GIH W/ tools, Latched onto plug, POOH. RD H&H. CO sand from 5496' to CBP @ 5610'. Pull up to 5399'. RU to flow test MV through tubing. Flow tested MV through open ended tbg 2.5 hrs until stabilized. Pull up to 4694' SION.

**THIS TEST IS FOR ALLOCATION:**

Test is as follows:

M.V. perms: 4791' - 5472'

2-3/8" tubing set @ 5399'

1/2" choke coefficient of 6.6

SICP = 580 PSI

FTP = 110 PSI open ended (300 psi equivalent for 1/2" choke)

MV production = 1980 mcf/d

3 bopd

12 bwpd

trace of sand

test witnessed by Hondo Diffey w/ Synergy

**08/12/2005 05:30 - 08/12/2005 17:00**
**Last 24hr Summary**

FLOW TEST MESA VERDE UP TUBING 4 HRS THROUGH 1/2" CHOKE. SI FOR WEEKEND.

**08/15/2005 05:30 - 08/15/2005 17:00**

**Last 24hr Summary**

**Travel to Location**

JSA, DISCUSS: HIGH PRESSURE, SLIPPERY SURFACES, PINCH POINTS, PROPER LIFTING TECHNICS  
 PJSM, CASING PRESSURE @ 820 PSI, TUBING PRESSURE @ 740 PSI, BDW, SERVICE, START & WARM UP EQUIPMENT  
 WOSL, OPEN TUBING RAMS, RETURNS OF 6 BPH MIST & WATER, TRACE OF CONDENSATE, LIGHT SAND  
 RUSL, RIH w/ PRESSURE PLUG, SET PLUG IN "F" NIPPLE, POOH w/ SL, BLEED DOWN TUBING TO CHECK IF PLUG SEALED, PLUG HOLDING,  
 RD SL, RD FLOW TEE & LINE  
 TOO H w/ TUBING & "F" NIPPLE  
 STOP POOH, 20 STANDS LEFT IN HOLE, PUMP 40 BBLS 2% KCL WATER TO KILL WELL  
 FINISH TOO H, LD "F" NIPPLE & MULE SHOE COLLAR, PU 3-7/8" MILL, BIT SUB & CENTRALIZER COLLAR  
 TIH w/ 3-7/8" MILL & TUBING, 20 STANDS INTO WELL SD RIG PUMP, CONTINUE RIH, 100 STANDS IN HOLE WELL STARTED TO FLOW, RETURNS  
 OF 15 - 16 BPH WATER, TRACE OF CONDENSATE, TAG FILL @ 5607'  
 RU POWER SWIVEL  
 ESTABLISH CIRCULATION, PUMP 1500 CFM AIR & 5 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 1/2 GALLON INIHIATOR PER 10 BBLS,  
 RETURNS OF WATER MIST @ 7 - 8 BPH, TRACE OF CONDENSATE, LIGHT SAND  
 CIRCULATION ESTABLISHED, RETURNS OF 8 - 9 BPH FOAMED MIST & WATER, SLIGHT SAND, TRACE OF CONDENSATE, CLEANOUT TO CBP  
 @ 5610', DRILL OUT CBP, BLOW WELL CLEAN OF PIECES FROM THE CBP, HANG BACK POWER SWIVEL, PU TUBING & RIH, TAG FILL @ 7527'  
 PU POWER SWIVEL, ESTABLISH CIRCULATION, PUMP 1500 CFM AIR & 5 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 1/2 GALLON INIHIATOR  
 PER 10 BBLS, WELL FLOWING RETURNS OF WATER MIST @ 6 - 7 BPH, TRACE OF CONDENSATE, LIGHT SAND  
 CIRCULATION ESTABLISHED, CLEAN OUT FROM 7527' TO 7614', BLOW WELL CLEAN, RETURNS OF TRACE OF CONDENSATE, HEAVY SAND  
 DEMINISHING TO LIGHT, WATER & MIST OF 10 - 11 BPH  
 SD AIR & MIST PUMP, PUH TO 7325', RD POWER SWIVEL, SIW, SECURE WELL & LOCATION, SDFN  
 TRAVEL TO YARD

**08/16/2005 05:30 - 08/16/2005 17:00**

**Last 24hr Summary**

**TRAVEL TO LOCATION**

JSA, DISCUSS: HIGH PRESURE, SLIPPERY SURFACES, PROPER LIFTING TECHNICS, PINCH POINTS  
 CASING PRESSURE @ 960 PSI, BDW, SERVICE, START & WARM UP EQUIPMENT  
 OPEN TUBING RAMS, RIH & TAG FILL @ 7594'  
 RU CHICKSEN & KELLY HOSE, ESTABLISH CIRCULATION, PUMP 800 CFM AIR & 3 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 1/2 GALLON  
 INIHIATOR PER 10 BBLS, WELL FLOWING 7 BPH WATER & TRACE OF CONDENSATE  
 CLEANOUT FROM 7594' TO PBTD @ 7615', BLOW WELL CLEAN, SD AIR & MIST PUMP  
 RD CHICKSEN & KELLY HOSE, TOO H w/ 3-7/8" MILL, 20 STANDS LEFT IN HOLE PUMP 40 BBLS 2% KCL WATER TO KILL WELL, FINISH TOO H, LD  
 MILL  
 PU 2-3/8" EXPENDABLE CHECK VALVE & "F" NIPPLE w/ 1.81" ID, TIH, 20 STANDS IN HOLE SD RUG PUMP, CONTINUE TIH, TAG FILL @ 7610'  
 RU CHICKSEN & KELLY HOSE, ESTABLISH CIRCULATION, PUMP 800 CFM AIR & 2.5 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 1/2 GALLON  
 INIHIATOR PER 10 BBLS  
 CIRCULATION ESTABLISHED, RETURNS OF 6 BPH WATER & MIST, TRACE OF CONDENSATE, LIGHT SAND, BLOW WELL CLEAN  
 SD AIR & MIST PUMPS, RD CHICKSEN & KELLY HOSE, PUH TO 7297', SIW, SECURE WELL & LOCATION, SDFN  
 TRAVEL TO YARD

**08/17/2005 05:30 - 08/17/2005 17:00**

**Last 24hr Summary**

**TRAVEL TO LOCATION**

JSA, DISCUSS: WALKING HAZZARDS, PINCH POINTS & HAZZARD WHILE HANDLING TUBING  
 CASING PRESSURE @ 960 PSI, BDW, SERVICE, START & WARM UP EQUIPMENT  
 OPEN TUBING RAMS, RIH, TAG FILL @ 7611' (4' OF FILL), RU CHICKSEN & KELLY HOSE  
 ESTABLISH CIRCULATION, PUMP 800 CFM AIR & 3 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 1/2 GALLON INIHIATOR PER 10 BBLS, WELL  
 FLOWING 6 - 7 BPH WATER & GAS MIST, NO SAND OR CONDENSATE  
 CIRCULATION ESTABLISHED, RETURNS OF 9 - 10 BPH WATER & MIST, NO SAND, NO CONDENSATE, CLEAN OUT TO PBTD @ 7615', LIGHT  
 SAND RETURNS & 10 BPH WATER & MIST, BLOW WELL FOR 30 MINUTES & NO SAND RETURNS, WATER @ 7 BPH, CONTINUE TO BLOW WELL  
 DRY  
 SD AIR & MIST, PUMP 6 BBLS 2% KCL WATER TO KILL TUBING, DROP BALL FOR EXPENDABLE CHECK VALVE, WAIT 15 MINUTES FOR BALL TO  
 DROP, START AIR, PRESSURE TUBING UP TO 1000 PSI, SD AIR, PRESSURE TEST TUBING FOR 30 MINUTES, HELD OK, START AIR, PUMP OUT  
 EXPENDABLE CHECK VALVE, CHECK VALVE PUMPED OUT @ 1200 PSI, CONTINUE TO BLOW WELL w/ 850 CFM AIR & NO MIST TO UNLOAD  
 WATER, WATER RETURNS @ 9 - 10 BPH w/ NO MIST BEING PUMPED, CHECKED w/ ENGINEERING IN HOUSTON & THEY WANT TO DRY UP  
 WELL BEFORE COMPLETIONS PROFILER LOG  
 SD AIR & MIST, PUMP 6 BBLS 2% KCL WATER TO KILL TUBING, DROP BALL FOR EXPENDABLE CHECK VALVE, WAIT 15 MINUTES FOR BALL TO  
 DROP, START AIR, PRESSURE TUBING UP TO 1000 PSI, SD AIR, PRESSURE TEST TUBING FOR 30 MINUTES, HELD OK, START AIR, PUMP OUT  
 EXPENDABLE CHECK VALVE, CHECK VALVE PUMPED OUT @ 1200 PSI, CONTINUE TO BLOW WELL w/ 850 CFM AIR & NO MIST TO UNLOAD  
 WATER, WATER RETURNS @ 9 - 10 BPH w/ NO MIST BEING PUMPED, CHECKED w/ ENGINEERING IN HOUSTON & THEY WANT TO DRY UP  
 WELL BEFORE COMPLETIONS PROFILER LOG, 12:30 HRS RETURNS OF WATER @ 5 BPH, 14:30 HRS RETURNS OF WATER @ 2 BPH  
 SD AIR PUMP, FLOW WELL UP CASING THROUGH BLOOE LINE & UP TUBING THROUGH 2" BLEED OFF LINE, FTP @ 60 PSI, RETURNS OF 2  
 BPH WATER  
 CLOSE 2" BLEED OFF LINE, START AIR PUMP, BLOW WELL DRY, RETURNS OF 2 BPH WATER & TRACE OF CONDENSATE

**08/18/2005 05:30 - 08/18/2005 17:00**
**Last 24hr Summary**

TRAVEL TO LOCATION, BDW, FOUND HOLE IN TUBING @ 12'. LD BAD JOINT, TIH TO PBTD, BLOW WELL DRY. PUH TO 7365', CLOSE TUBING RAMS, NO SEAL, LAND TUBING TO CHANGE RAMS, SDFN

**08/19/2005 05:30 - 08/19/2005 20:15**
**Last 24hr Summary**

ON LOCATION. BREAKIN ON RIG DURING THE NIGHT. CALL & WAIT ON POLICE. INSTALL TUBING RAMS & FUNCTION TEST. PULL TUBING HANGER. RUSL TO RUN SPINNER SURVEY. SPINNER SURVEY STUCK IN HOLE @ 4625'. CALL OFFICE & DISCUSS w/ OPS SUPERVISOR. CUT SL @ TIW VALVE. SIW. SECURE WELL & LOCATION. SDFN

**08/20/2005 05:30 - 08/20/2005 19:45**
**Last 24hr Summary**

TOH w/ TUBING. PU FISHING TOOLS. TIH TO FISH FOR COMPLETION PROFILER LOGGING TOOL.

**08/21/2005 05:30 - 08/21/2005 19:15**
**Last 24hr Summary**

FINISH TOO. CLEAN WIRE OFF OF TUBING & SPEAR. PU NEW JARS & BUMPER SUB. TIH & FISH FOR MORE WIRE. TUBING STUCK IN WELL.

**08/22/2005 05:30 - 08/22/2005 17:00**
**Last 24hr Summary**

CONTINUE TOO. w/ TUBING & SLICK LINE. TUBING STILL DRAGGING. PULLING 10K - 40K OVER STRING WEIGHT WHEN MOVING.

**08/23/2005 05:30 - 08/23/2005 16:00**
**Last 24hr Summary**

FINISH TOO. w/ FISH. LD FISHING BHA. CLEAN WIRE OFF OF SPEAR. PU NEW FISHING BHA. TIH. FISH WIRE. TOO. w/ FISH. TIH w/ FISHING TOOLS. FISH WIRE. START TOO.

**08/24/2005 05:30 - 08/24/2005 16:00**
**Last 24hr Summary**

TOO. REMOVE WIRE FROM FISHING TOOLS. TIH. FISH WIRE. TOO. w/ FISH

**08/25/2005 05:30 - 08/25/2005 17:00**
**Last 24hr Summary**

PUH w/ WIRE. SD & REPAIR ELBOW ON BLOOIE LINE. CONTINUE TOO.

**08/26/2005 05:30 - 08/26/2005 17:00**
**Last 24hr Summary**

TRAVEL TO LOCATION - JSA. CASING PRESSURE @ 850 PSI. BDW. - SERVICE, START & WARM UP EQUIPMENT. OPEN TUBING RAMS. PUMP 40 BBLS 2% KCL WATER TO KILL WELL. ROLL PUMP IN LOW GEAR. CONTINUE TOO. w/ FISH FROM 3228'. POOH. CLEAN 100 - 150' OF SLICK LINE FROM SPEAR. TIH w/ SAME ASSEMBLY. TAG WIRE @ 7090'. ROTATE & RECIPROCATATE TO FISH FOR WIRE. ROTATE & RECIPROCATATE TO FISH FOR WIRE. WORK TUBING FROM 6755' TO 7090'. TOO. w/ WIRE FISH. PUMP 40 BBLS 2% KCL WATER TO KILL WELL @ 1230'. LEAVE PUMP ROLLING IN LOW GEAR. POOH. CLEAN 100' OF WIRE FROM SPEAR. TIH w/ SAME ASSEMBLY. FISH FOR WIRE FROM 7150' TO 7454'. PUH w/ 2 - 3 POINT DRAG. TOO. w/ WIRE LINE FISH. LEAVE BOTTOM OF SPEAR @ 7325'. SWI. CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION. SDF WEEK END.

**08/29/2005 05:30 - 08/29/2005 17:00**
**Last 24hr Summary**

TRAVEL TO LOCATION - JSA. CASING PRESSURE @ 900 PSI. BDW. SERVICE, START & WARMUP EQUIPMENT. OPEN TUBING RAMS. TOO. w/ FISH (WIRE). KILL WELL w/ EOT @ 1200'. PUMP 40 BBLS 2% KCL WATER TO KILL WELL. FINISH TOO. CLEAN 200' OF SLICK LINE WIRE OFF OF WIRE SPEAR. TIH w/ FISHING TOOLS. WIRE LINE SPEAR, BUMPER SUB, & BOWEN JARS. ROTATE & RECIPROCATATE TUBING FROM 7454' TO 7490' TO GRAB WIRE. PUH. PULLING 1000# OVER STRING WEIGHT. TOO. w/ FISH (WIRE). CONTINUE TOO. KILL WELL @ 1200'. PUMP 40 BBLS 2% KCL WATER TO KILL WELL. FINISH TOO. OOH. CLEAN 50' OF WIRE OFF OF SPEAR. TIH w/ SAME ASSEMBLY AS BEFORE. ROTATE & RECIPROCATATE TUBING TO GRAB FISH. WORK TUBING FROM 7490' TO 7500'. PULL 2000# OVER STRING WEIGHT. PUH 11 STANDS TO 7300'. CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION. SDFN.

**08/30/2005 05:30 - 08/30/2005 17:00**
**Last 24hr Summary**

TRAVEL TO LOCATION - JSA. CASING PRESSURE @ 920 PSI. BDW. SERVICE, START & WARM UP EQUIPMENT. OPEN TUBING RAMS. TOO. KILL WELL w/ 40 BBLS 2% KCL WATER WHEN END OF SPEAR @ 1300'. FINISH TOO. OOH. NO WIRE ON SPEAR. LD ROPE SPEAR. PU 3-7/8" OVERSHOT, 1- 11/16" CATCH GRAPPLE, 3' TOP EXTENSION, 3-1/8" BUMPER SUB, 3-1/8" BOWEN JARS & CROSSOVER TIH w/ FISHING STRING. TAG @ 7484'. TRY TO WORK OVERSHOT ONTO FISH. TOO. w/ FISHING TOOLS & FISH. PULLING SLOW. 1 - 2 POINT OVER PULL. CONTINUE TOO. KILL WELL w/ 40 BBLS 2% KCL WATER @ 1250'. FINISH TOO. NO FISH IN GRAPPLE. NO MARKS ON CUTLIP OR INSIDE OVERSHOT. SOME SAND. LD OVERSHOT & TOP EXTENSION. PU ROPE SPEAR. TIH w/ SPEAR & FISHING ASSEMBLY. STOP TIH @ 7300'. CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION. SDFN

**08/31/2005 06:00 - 08/31/2005 17:00**
**Last 24hr Summary**

COPC OPERATIONS MONTHLY SAFETY MEETING. TRAVEL TO LOCATION AFTER SAFETY MEETING. JSA. CASING PRESSURE @ 950 PSI. BDW. SERVICE, START & WARM UP EQUIPMENT. OPEN TUBING RAMS. TIH FROM 7300' TO 7484'. RU POWER SWIVEL. ESTABLISH CIRCULATION. PUMP AIR @ 850 CFM & 2% KCL MIST @ 6 BPH w/ 1 GALLON FOAMER & 2 GALLONS INHIBITOR PER 10 BBLS. PUMP PRESSURE @ 990 PSI. WELL FLOWING @ 3 BPH WATER, 1 BPOD, NO SAND. CIRCULATION ESTABLISHED. WELL FLOWING 9 BPH WATER, 1 BPOD, LIGHT SAND. CLEANOUT w/ AIR. CLEANOUT FROM 7484' TO 7496'. ROTATE & RECIPROCATATE TUBING WHILE CLEANING OUT TO GRAB WIRE. SAND RETURNS DEMINISHED TO LIGHT, NO CHANGE IN FLUID RETURNS. SD MIST PUMP TO DRY UP TUBING. SD AIR. TOO. w/ FISH. PULLING 3000# OVER STRING WEIGHT. PUMP 40 BBLS TO KILL WELL. KEEP PUMP ROLLING OVER IN LOW GEAR. FINISH TOO. OOH. CLEAN 30 - 40 FEET OF SLICK LINE FROM SPEAR. TIH w/ SPEAR & SAME BHA. STOP @ 1500'. CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION. SDFN.

**09/01/2005 05:30 - 09/01/2005 17:30**

**Last 24hr Summary**

TRAVEL TO LOCATION. JSA. CASING PRESSURE 920 PSI. BDW. SERVICE, START & WARMUP EQUIPMENT. OPEN TUBING RAMS. TIH w/ ROPE SPEAR, BUMPER SUB & BOWEN JARS. PU POWER SWIVEL. ESTABLISH CIRCULATION. PUMP AIR @ 850 CFM & 5 BPH 2% KCL WATER MIST w/ 2 GALLON FOAMER & 3 GALLONS INHIBITOR PER 20 BBLS. WELL FLOWING 4 BPH WATER, LIGHT AMOUNT OF CONDENSATE, TRACE OF SAND. PUMP PRESSURE @ 1200 PSI. CIRCULATION ESTABLISHED. CONTINUE TO PUMP AS ABOVE. RETURNS OF 9 - 10 BPH WATER, LIGHT AMOUNT OF CONDENSATE, HEAVY SAND (4 CUPS PER MINUTE). SAND DEMINISHED TO LIGHT (1/2 CUP PER MINUTE). ROTATE & RECIPROCATATE TUBING TO GRAB WIRE LINE WITH SPEAR. SD MIST PUMP. BLOW TUBING DRY. SD AIR PUMP. BLEED DOWN TUBING. HANG BACK POWER SWIVEL. TOOH w/ TUBING PUMP 40 BBLS OF 2% KCL WATER TO KILL WELL. FINISH TOOH. CLEAN 20' OF SLICK LINE WIRE OF OF SPEAR. CHECK WELL TO MAKE SURE IT IS STILL DEAD. TIH w/ SAME ASSEMBLY AS ABOVE. TRIP TO 7484'. PU POWER SWIVEL. PU POWER SWIVEL. ESTABLISH CIRCULATION. PUMP AIR @ 850 CFM & 5 BPH 2% KCL WATER MIST w/ 2 GALLON FOAMER & 3 GALLONS INHIBITOR PER 20 BBLS. WELL FLOWING 4 BPH WATER, LIGHT AMOUNT OF CONDENSATE, TRACE OF SAND. PUMP PRESSURE @ 1000 PSI. CIRCULATION ESTABLISHED. CONTINUE TO PUMP AS ABOVE. RETURNS OF 9 - 10 BPH WATER, LIGHT AMOUNT OF CONDENSATE, SAND DEMINISHED TO LIGHT (1/2 CUP PER MINUTE). ROTATE & RECIPROCATATE TUBING TO GRAB WIRE LINE WITH SPEAR. SD AIR. BLEED DOWN TUBING. HANG BACK POWER SWIVEL. PUH 10 STANDS. END OF SPEAR @ 7250'. CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION.

**09/02/2005 05:30 - 09/02/2005 17:00**

**Last 24hr Summary**

TRAVEL TO LOCATION. JSA. CASING PRESSURE @ 950 PSI. BDW. SERVICE, START & WARMUP EQUIPMENT. OPEN TUBING RAMS. TOOH w/ FISH. PUMP 40 BBLS 2% KCL WATER TO KILL WELL @ 1300'. FINISH TOOH. POOH. 4' OF WIRE ON SPEAR. LD STRAIGHT ROPE SPEAR. PU CORKSCREW ROPE SPEAR. TIH w/ CORKSCREW ROPE SPEAR. WELL FLOWING 4 BPH WATER, TRACE OF SAND & CONDENSATE. RU POWER SWIVEL. ESTABLISH CIRCULATION. PUMP 850 CFM AIR & 5 BPH 2% KCL MIST w/ 2 GALLONS FOAMER & 3 GALLONS INHIBITOR PER 20 BBLS. PUMP PRESSURE @ 980 PSI. LUNCH FOR CREW. CIRCULATION ESTABLISHED. RETURNS OF 10 BPH WATER 1 BOPD. MEDIUM SAND (1/4 CUP PER MINUTE). CLEANOUT & TAG @ 7498'. TRY TO GRAB WIRE. 2000 - 3000# OVER PULL. SD MIST PUMP & BLOW TUBING DRY. SD AIR. BLEED DOWN TUBING. HANG BACK POWER SWIVEL. TOOH w/ FISH. PUMP 40 BBLS 2% KCL WATER TO KILL WELL @ 1350'. FINISH TOOH. NO WIRE ON ROPE SPEAR. LD FISHING TOOLS. CLOSE & LOCK BLIND RAMS. SECURE WELL & LOCATION. SDF WEEKEND. TRAVEL TO YARD.

**09/06/2005 06:00 - 09/06/2005 18:00**

**Last 24hr Summary**

CONTRACTOR MONTHLY SAFETY MEETING.  
TRAVEL TO LOCATION.  
JSA. CASING PRESSURE @ 1000 PSI. BDW THROUGH 2" BLEEDOFF LINE.  
SERVICE, START & WARM UP EQUIPMENT. OPEN TUBING RAMS. RETURNS OF 4 BPH WATER, LIGHT CONDENSATE, TRACE OF SAND.  
PU FISHING TOOLS. 3-7/8" OVERSHOT w/ 3' TOP EXTENTION LOADED w/ 1-11/16" CATCH GRAPPLE, 3-1/8" BUMPER SUB, 3-1/8" JARS, XOVER TO 2-3/8" BOX.  
PUMP 40 BBLS 2% KCL WATER TO KILL WELL.  
TIH w/ ABOVE FISHING ASSEMBLY.  
EOT @ 7500'. PU POWER SWIVEL. ESTABLISH CIRCULATION. PUMP 850 CFM AIR & 5 BPH 2% KCL WATER MIST w/ 2 GALLONS FOAMER & 3 GALLON INHIBITOR PER 20 BBLS. PUMP PRESSURE @ 900 PSI.  
CIRCULATION ESTABLISHED. RETURNS OF 8 BPH WATER, LIGHT CONDENSATE (5 GALLONS PER HOUR), LIGHT SAND (1/4 CUP PER HOUR). RIH & TAG @ 7509'. ROTATE & RECIPROCATATE TUBING TO CLEANOUT TO FISH & TRY TO LATCH FISH. WORK TUBING DOWN TO 7512'. PU & CANNOT WORK DOWN TO ORIGINAL TAG POINT. WORK TUBING UP HOLE. CANNOT GO DOWN w/ TUBING.  
SD MIST PUMP. BLOW TUBING DRY.  
SD AIR PUMP. HANG BACK POWER SWIVEL. TOOH w/ TUBING & FISHING TOOLS. KILL WELL w/ 40 BBLS OF 2% KCL WATER @ 1500'. FINISH TOOH.  
OOH. FISH IN GRAPPLE. LD COMPLETION PROFILER LOGGING TOOL. FISHING JOB COMPLETE.  
LD & LOAD OUT FISHING TOOLS. RELEASE FISHERMAN.  
CLOSE & LOCK BLIND RAMS. SECURE WELL & LOCATION. SDFN  
TRAVEL TO YARD.

**09/07/2005 05:30 - 09/07/2005 18:00**

**Last 24hr Summary**

TRAVEL TO LOCATION  
JSA. CASING PRESSURE @ 1050 PSI. BDW THROUGH 2" BLEEDOFF LINE.  
SERVICE, START & WARMUP EQUIPMENT. OPEN BLIND RAMS.  
CLOSE BLIND RAMS. PUMP 40 BBLS 2% KCL WATER TO KILL WELL.  
TIH w/ PRODUCTION TUBING. RABBIT TUBING w/ 1.901 OD DRIFT WHILE GOING IN HOLE. HEAVY RUST & SCALE COMMING OUT OF INSIDE OF TUBING. DRIFT KEPPS GETTING STUCK IN TUBING. RAN 40 STANDS IN 2 HOURS. CALLED JENNYE PUSCH (COMPLETIONS ENGINEER) ABOUT DOING TUBING PICKLE JOB. PICKLE JOB SETUP FOR TOMORROW.  
STOP TRYING TO RABBIT TUBING. FINISH TIH.  
TAG FILL @ 7521'. RU CHICKSEN & KELLY HOSE. ESTABLISH CIRCULATION. PUMP 850 CFM AIR & 5 BPH 2% KCL MIST w/ 1 GALLON FOAMER & 2 GALLONS INHIBITOR PER 10 BBLS. MAX PRESSURE @ 1650 PSI.  
CIRCULATION ESTABLISHED. CIRCULATING PRESSURE @ 750 PSI. RETURNS OF 9 BPH WATER. LIGHT AMOUNT OF CONDENSATE. LIGHT SAND. CLEANOUT FROM 7521' TO 7614'.  
SD AIR & MIST PUMP. PUH TO 7107'. CLOSE TUBING RAMS.  
SECURE WELL & LOCATION. SDFN.  
TRAVEL TO YARD.



**09/08/2005 05:30 - 09/08/2005 16:30**

**Last 24hr Summary**

TRAVEL TO LOCATION.  
JSA. CASING PRESSURE @ 1050 PSI. BDW.  
SERVICE, START & WARMUP EQUIPMENT. OPEN TUBING RAMS.  
TIH FROM 7100' TO 7600'  
PJSM. RU HALLIBURTON ACID EQUIPMENT.  
PRIME UP & PRESSURE TEST HALLIBURTON LINES TO 1500 PSI. HELD OK. RELEASE PRESSURE.  
PICKLE TUBING w/ 15% HCL ACID.  
PUMP @ 1 BPM & 0 PSI:  
3 BBLS 2% KCL WATER AHEAD.  
1200 GALLONS OF 15% HCL ACID w/ 1 GALLON LO SURF 200 (SURFACTANT) & 1 GALLON HAI-404 (INHIBITOR).  
5 BBLS 2% KCL WATER w/ 3 GALLONS OF INHIBITOR FOR FLUSH.  
SD PUMP. RD HALLIBURTON. ACID JOB COMPLETE.  
RU CHICKSEN & KELLY HOSE. ESTABLISH CIRCULATION w/ 850 CFM AIR & 5 BPH 2% KCL WATER MIST w/ 2 GALLON FOAMER & 5 GALLONS INHIBITOR PER 20 BBLS TO DISPLACE ACID OUT OF TUBING & BLOW OUT OF WELL.  
CIRCULATION ESTABLISHED. RETURNS OF 10 BPH WATER DEMINISHING TO 7 BPH. LIGHT CONDENSATE (3BPOD), NO SAND. BLOW WELL CLEAN.  
TOOH w/ TUBING TO DRIFT TUBING INTO WELL.  
LUNCH FOR CREW.  
TIH w/ EXPENDABLE CHECK VALVE, 1.81 ID "F" NIPPLE, & TUBING. DRIFT TUBING EVERY CONNECTION w/ 1.901" 8# DRIFT.  
SD TIH @ 5865' DUE TO LIGHTENING IN AREA. CLOSE IN WELL. SECURE WELL & LOCATION. SDFN.  
TRAVEL TO YARD.

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

**Last 24hr Summary**

COPC SAFETY STAND DOWN FROM 06:00 TO 10:00. TRAVEL TO LOCATION.  
JSA. CASING @ 1000 PSI. BDW.  
SERVICE, START & WARMUP EQUIPMENT. OPEN TUBING RAMS.  
RIH FROM 5865' TO 7603'. RU CHICKSEN & KELLY HOSE. TAG FILL @ 7609' (5' FILL).  
ESTABLISH CIRCULATION w/ 850 CFM AIR @ 5 BPH 2% KCL MIST w/ 2 GALLONS FOAMER & 4 GALLONS INHIBITOR PER 20 BBLS.  
CIRCULATION ESTABLISHED. RETURNS OF 10 BPH WATER DEMINISHING TO 7 BPH, LIGHT AMOUNT OF CONDENSATE (3 BPOD), LIGHT SAND DEMINISHING TO NO SAND. CLEANOUT TO PBTD @ 7614'. PUH 2' TO 7612'. BLOW WELL CLEAN.  
SD AIR & MIST. PUMP 5 BBLS 2% KCL WATER. DROP BALL FOR EXPENDBLE CHECK VALVE. WAIT FOR BALL TO FALL TO EOT. PRESSURE TEST TUBING w/ AIT TO 1000 PSI FOR 30 MINUTES. HELD OK. START AIR PUMP ONLY. PRESSURE TUBING TO 1150 PSI. VALVE PUMPED OUT OF CHECK VALVE. PRESSURE DECREASING. BLOW WELL TO UNLOAD WATER. SD AIR PUMP. KILL TUBING w/ 5 BBLS 2% KCL WATER. PUH TO 7233'.  
CLOSE & LOCK TUBING RAMS. SECURE WELL & LOCATION. SDF WEEKEND.  
TRAVEL TO YARD.

**09/12/2005 05:30 - 09/12/2005 17:00**

**Last 24hr Summary**

TRAVEL TO LOCATION.

JSA. CSAING PRESSURE @ 1000 PSI. BDW.

SERVICE, START & WARM UP EQUIPMENT. OPEN TUBING RAMS.

INSTALL CHICKSEN & KELLY HOSE. PUMP 5 BBLS 2% KCL WATER TO KILL TUBING. REMOVE KELLY HOSE, CHICKSEN & TIW VALVE FROM TUBING.

RIH FROM 7233' TO 7603'. RU CHICKSEN & KELLY HOSE TO TUBING. TAG FILL @ 7611' (3' OF FILL).

PUH TO 7600'. ESTABLISH CIRCULATION w 850 CFM AIR & 4 BPH 2% KCL MIST w/ 2 GALLONS FOAMER & 4 GALLONS INHIBITOR PER 20 BBLS. PUMP PRESSURE @ 950 PSI.

CIRCULATION ESTABLISHED. CONTINUE TO PUMP AS ABOVE. PUMP PRESSURE @ 700 PSI. RETURNS OF 9 BPH WATER DEMINISHING TO 5 BPH. LIGHT CONDENSATE (3 BOPD). LIGHT SAND DEMINISHING TO TRACE. BLOW WELL TO CLEANUP.

SD AIR & MIST. PUMP 5 BBLS 2% KCL WATER TO KILL TUBING. REMOVE CHICKSEN & KELLY HOSE.

PUH TO 7265'. INSTALL FLOW TEE & BLEED LINE FOR SPINNER SURVEY. SL & LOGGER ON LOCATION.

RUSL. TIH w/ GUAGE RING & EOT LOCATOR. TAG TD @ 7616'. TAG EOT @ 7631'.TOOH w/ GUAGE RING. RU COMPLETION PROFILER LOGGING

TOOL. TIH w/ LOGGING TOOL. TAG FLUID @ 7520' (40 FEET OF PERF COVERED w/ WATER). RUN LOG. POOH w/ LOGGING TOOL. RDSL. DOWN

LOAD LOGGING TOOL. GOOD DATA. AVERAGE FTP @ 350 PSI. SICP @ 730 PSI. BHST @ 7610' @ 205 DEGREES F. BHP @ 936 PSI @ 7575'.

THIS TEST IS FOR ALLOCATION.

TEST IS AS FOLLOWS:

DK PERFS 7377' TO 7560'

2-3/8" TUBING SET @ 7631'

1/2" CHOKE COEFFICEINT 6.6

FTP = 350 PSI

SICP = 730 PSI

DK PRODUCTION = 2310 MCF

5 BOPD

25 BWPD

NO SAND

TEST WITNESSED BY GEORGE KARTCHNER (MVC / CONOCOPHILLIPS)

PUMP 5 BBLS 2% KCL WATER TO KILL TUBING. REMOVE FLOW TEE & TIW VALVE.

RIH FROM 7631' TO 7603'. DRIFT TUBING GOING IN HOLE. LD 9 JOINTS OF TUBING & INSTALL TUBING HANGER. LAND TUBING & LOCK DOWN

TUBING HANGER w/ ALL LOCK DOWN BOLTS. TIGHTEN PACKING NUTS.

RAN: 1 EA EXPENDABLE CHECK VALVE (1' LONG) SET @ 7418'.

1 EA 1.81" ID "F" NIPPLE (1' LONG).

240 JOINTS OF MEW 2-3/8" J-55 4.7# TUBING.

BDW THRU 2" LINE TO CLEAR AIR FROM CASING.

SEE REMARKS FOR REMAINDER OF REPORT!!!!

**09/13/2005 05:30 - 09/13/2005 08:30**

**Last 24hr Summary**

TRAVEL TO LOCATION

JSA. DISCUSS RIG MOVE. SERVICE, START & WARMUP EQUIPMENT.

RD GUYLINES. LOWER DERRICK. PREPARE RIG FOR MOVE.

PRE-TRIP UNIT FOR MOVE. LEAVE LOCATION. RIG RELEASED @ 08:30 ON 09/13/05. JOB COMPLETE. LAST REPORT.



Well Name: San Juan 28-7 #124F  
 API #: 30-039-27068-00-X1  
 Location: 660' FSL & 2325' FWL  
Sec. 11 - T27N - R7W  
Rio Arriba County, NM  
 Elevation: 6559' GL (above MSL)  
 Drl Rig RKB: 13' above Ground Level  
 Datum: Drl Rig RKB = 13' above GL

Patterson Rig: #749  
 Spud: 10-Jun-05  
 Spud Time: 2:30  
 Date TD Reached: 17-Jun-05  
 Release Drl Rig: 18-Jun-05  
 Release Time: 8:00

**Surface Casing** Date set: 10-Jun-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 @ 19:00 hrs on 07-Jun-05  
 Notified NMOCD @ 19:02 hrs on 07-Jun-05

☒ New  
☐ Used

11" 3M x 7 1/16" 5M Tubing Head  
 11" 3M x 11" 3M Casing Spool  
 9-5/8" 8 RD x 11" 3M Casing Head

**Surface Cement**  
 Date cmt'd: 10-Jun-05  
 Lead : 150 sx Class G Cement  
 + 3% 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: 11:37 hrs w/ 325 psi  
 Final Circ Press: 115 psi @ 0.5 bpm  
 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 15.00 hrs (plug bump to test csg)

**Intermediate Casing** Date set: 14-Jun-05  
 Size 7 in 80 jts  
 Set at 3461 ft 0 pups  
 Wt. 20 ppf Grade J-55  
 Hole Size 8 3/4 in Conn STC  
 Excess Cmt 150 % Top of Float Collar 3415 ft  
 T.O.C. SURFACE Bottom of Casing Shoe 3461 ft  
 Pup @        ft TD of 8-3/4" Hole 3470 ft  
 Pup @        ft  
 Notified BLM @ 20:20 hrs on 12-Jun-05  
 Notified NMOCD @ 20:25 hrs on 12-Jun-05

☒ New  
☐ Used

**Intermediate Cement**  
 Date cmt'd: 14-Jun-05  
 Lead : 365 sx Class G Cement  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 3% D079 Extender  
 + 0.20% D046 Antifoam  
 + 0.05 lb/gal D047 Antifoam  
 + 10.00 lb/sx Phenoseal  
2.72 cuft/sx, 992.8 cuft slurry at 11.7 ppg  
 Tail : 220 sx 50/50 POZ : Class G Cement  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 2% D020 Bentonite  
 + 1.50 lb/sx D024 Gilsonite Extender  
 + 2% S001 Calcium Chloride  
 + 0.10% D046 Antifoam  
 + 6 lb/sx Phenoseal  
1.31 cuft/sx, 288.2 cuft slurry at 13.5 ppg  
 Displacement: 139 bbls  
 Bumped Plug at: 21:00 hrs w/ 1500 psi  
 Final Circ Press:         
 Returns during job: YES  
 CMT Returns to surface: 45 bbls  
 Floats Held: X Yes    No  
 W.O.C. for NA hrs (plug bump to start NU BOP)  
 W.O.C. for 12.50 hrs (plug bump to test csg)

**Production Casing:** Date set: 17-Jun-05  
 Size 4 1/2 in 181 jts  
 Set at 7650 ft 1 pups  
 Wt. 11.6 ppf Grade N-80  
 Hole Size 6 1/4 in Conn LTC  
 Excess Cmt 50 % Top of Float Collar 7647 ft  
 T.O.C. (est) 3261 Bottom of Casing Shoe 7650 ft  
 Marker Jt @ 4721 ft TD of 8-3/4" Hole 7650 ft  
 Marker Jt @        ft  
 Marker Jt @        ft  
 Marker Jt @        ft  
 Notified BLM @ 18:05 hrs on 06-Jun-05  
 Notified NMOCD @ 18:10 hrs on 06-Jun-05

☒ New  
☐ Used

**Production Cement**  
 Date cmt'd: 17-Jun-05  
 Cement : 470 sx 50/50 POZ : Class G Cement  
 + 0.25 lb/sx D029 Cellophane Flakes  
 + 3% D020 Bentonite  
 + 1.00 lb/sx D024 Gilsonite Extender  
 + 0.25% D167 Fluid Loss  
 + 0.15% D065 Dispersant  
 + 0.10% D800 Retarder  
 + 0.10% D046 Antifoam  
 + 3.5 lb/sx Phenoseal  
1.45 cuft/sx, 681.5 cuft slurry at 13.0 ppg  
 Displacement: 118 bbls  
 Bumped Plug: 23:00 hrs w/ 2000 psi  
 Final Circ Press:         
 Returns during job: None Planned  
 CMT Returns to surface: None Planned  
 Floats Held: X Yes    No

Top of Float Collar 7647 ft  
 Bottom of Casing Shoe 7650 ft

TD of 8-3/4" Hole: 7650 ft

Schematic prepared by:  
 Michael P. Neuschafer, Drilling Engineer  
 21-June-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 @ 185'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 219', 141', 99, 57'. Total: 4
7" Intermediate	DISPLACED W/ 139 BBLs. FRESH WATER. CENTRALIZERS @ 3451', 3372', 3286', 3200', 3114', 3028', 188', 104', 61'. TURBOLIZERS @ 2468', 2426', 2383', 2339', 2297'. Total: 9
4-1/2" Prod.	NONE. Total: 5