

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 Co.

3. Address
P.O. Box 2197, WL3-6085 Houston Tx 77252

3.a Phone No. (Include area code)

(832) 486-2463 FARMINGTON NM

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

At Surface Sec 27 T28N R7W NENE 300FNL 1165FEL

At top prod. interval reported below

At total depth

14. Date Spudded
12/06/2005

15. Date T.D. Reached
12/17/2005

16. Date Completed
☐ D & A ☒ Ready to Prod.
01/31/2006

18. Total Depth: MD 7761
TVD

19. Plug Back T.D.: MD 7756
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CBL; TDT; 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	235		150		0	
8.75	7 J-55	20	0	3561		595		0	
6.25	4.5 N-80	11.6	0	7758		470		2116	

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	7529							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Dakota	7527'	7697'	7527' - 7697'	.34	78	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7527' - 7697'	Frac'd w/ Slickwater @ 1.25g/mg FR; 35,000#20/40 Carbolite sand & 3483 bbls fluid

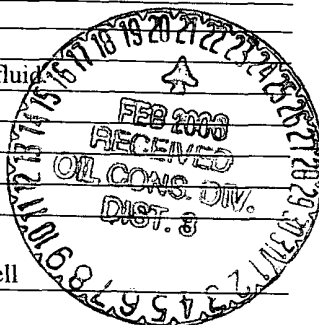
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
1/31/06	1/30/06	24	→	0	727	4.6			Flowing 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	SI 730	710	→					GS1	

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 page 2)



FEB 17 2006

FARMINGTON FIELD OFFICE
BY: *db*

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	1193.6
				Kirtland	2533.9
				Fruitland	2994.5
				Pictured Cliff	3244.4
				Otero/Chacra	4202.4
				Cliffhouse	4889.1
				Pt Lookout	5459.9
				Gallup	6732.7
				Greenhorn	7415.0
				PGTE	7612.3
				L. Cubero	7667.4

32. Additional remarks (include plugging procedure):

New downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Daily summary report and Wellbore Schematic are attached.

On 12/7/05, tested 9.625" casing to 1000psi for 30 minutes. Pressure held. On 12/11/05, tested 7" casing to 1000psi for 30 minutes. Pressure held.


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) Christina GustartisTitle Regulatory Specialist

Signature

Date 02/13/2006

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, 12/29/2005 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
300392725500	Rio Arriba	NEW MEXICO	NMPM-28N-07W-27-A	300.00	N	1,165.00	E
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,588.00	36° 38' 0" N	107° 33' 0" E	12/6/2005	12/17/2005			

12/29/2005 00:00 - 12/29/2005 00:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Pressured up on 4 1/2" CSG to 1500 #. Ran CBL log from 7714' to 1860'. Top of cement @ 2116'. Ran TDT log from 7714' to 2250'. Ran GR/ccl log from 7714' TO surface. RD Schlumberger.

12/31/2005 08:00 - 12/31/2005 00:00

Last 24hr Summary

Held safety meeting. RU Isolation tool. Tested 4 1/2" csg to 6600 # for 30 min. Held ok. SWI. RD Isolation tool.

1/8/2006 08:00 - 1/8/2006 12:00

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 7527' - 7535' W/ 2 SPF, 7547' - 7555' W/ 2 SPF, 7614' - 7617' w/ 2 spf, 7641' - 7652' w/ 2 spf, 7669' - 7672' w/ 2 spf, 7677' - 7680' w/ 2 spf, 7694' - 7697' w/ 2 spf. A total of 78 holes @ 0.34 DIA. SWI. RD Computalog.

1/11/2006 06:00 - 1/11/2006 17:00

Last 24hr Summary

Held safety meeting. RU Schlumberger. Fac'd the Dakota. Tested lines to 5050 #. Set pop off @ 4050 #. Broke down formation @ 5 bpm @ 1472 #. Pump pre pad @ 40 bpm @ 2618 #. Stepped down rate to 30 bpm @ 1855 #. Stepped down rate to 20 bpm @ 1393 #. Stepped down rate to 15 bpm @ 1245 #. Stepped down rate to 10 bpm @ 1060 #. ISIP 1014 #. 5 min 782 #. 10 min 659 #. 15 min 573 #. 20 min 503 #. 25 min 440 #. 30 min 395 #. Pumped 1000 gals of 15% HCL acid @ 6 bpm @ 780 #. Frac'd the Dakota w/slickwater @ 1.25 g/mg FR, 35,000 # 20/40 Carbolite sand & 3483 bbls fluid. Avg rate 55 bpm. Avg pressure 2817 #. Max pressure 2919 #. Max sand cons .40 # per gal. ISIP 1580 #. Frac gradient .59. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5667'. Tested plug to 4000 #. Held ok. Perforated the PL w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5446' - 5452' w/ 1/2 spf, 5464' - 5486' w/ 1/2 spf, 5503' - 5531' w/ 1/2 spf, 5553' - 5567' w/ 1/2 spf. A total of 39 holes w/ 0.34 dia. SWI. RD Computalog. RU Schlumberger. Frac'd the Point Lookout. Tested lines to 5050 #. Set pop off @ 4050 #. Broke down formation @ 4 bpm @ 2713 #. Pumped pre pad @ 32 bpm @ 937 #. Stepped down rate to 25 bpm @ 379 #. Stepped down rate to 20 bpm @ 115 #. Stepped down rate to 15 bpm @ 0 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 10 bpm @ 0 #. Frac'd the Point Lookout w/ 60 Q slick foam w/ 1 g/mg FR, 150,000 # 20/40 Brady sand, Treated the last 15% of proppant volume with propnet for proppant flowback control, 1,843,700 SCF N2 & 1935 bbls fluid. Avg rate 60 bpm. Avg pressure 2494 #. Max pressure 2636 #. Max sand cons 1.50 # per gal. ISIP 913 #. Frac gradient .44. SWI.

1/12/2006 07:00 - 1/12/2006 16:00

Last 24hr Summary

Held safety meeting. RU Computalog. RIH w/ 4 1/2" composite plug. Set plug @ 5083'. Tested plug to 4000 #. Held ok. Perforated the Cliffhouse w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 4891' - 4903' w/ 1 spf, 4928' - 4940' w/ 1 spf, 4950' - 4962' w/ 1 spf, 5002' - 5007' w/ 1 spf, 5012' - 5033' w/ 1 spf. A total of 67 holes w/ 0.34 dia. RD Computalog. RU Schlumberger. Frac'd the Cliffhouse. Tested lines to 5050 #. Set pop off @ 4050 #. Broke down formation @ 4 bpm @ 1927 #. Pumped pre pad @ 30 bpm @ 1908 #. Stepped down rate to 25 bpm @ 1431 #. Stepped down rate to 20 bpm @ 817 #. Stepped down rate to 15 bpm @ 452 #. Stepped down rate to 10 bpm @ 241 #. ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 6 bpm @ 0 #. Frac'd the Cliffhouse w/ 60 Q slick foam w/ 1 g/mg FR, 150,000 # 20/40 Brady sand, Treated the last 15% of proppant volume with propnet for proppant flowback control, 1,722,600 SCF N2 & 1644 bbls fluid. Avg rate 55 bpm. Avg pressure 2479 #. Max pressure 2505 #. Max sand cons 1.50 # per gal. ISIP 1665 #. Frac gradient .44. SWI. RD Schlumberger. Started flowback.

1/16/2006 13:00 - 1/16/2006 17:00

Last 24hr Summary

Move off 30-5 #213A and road rig to 28-7 #190G; Pick up & move all equipment. Held meeting w/ crew & truck pusher - discussed moving in & spotting equipment. Spot Rig & all equipment - too windy to raise derrick. SIFN.

1/17/2006 07:00 - 1/17/2006 17:15

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Rig up; Pressure testing; Picking up tubing). Check Pressures: 4 1/2" = 250 psi 7" = 0 psi 9 5/8" = 0 psi (vacuum)
Rig up Derrick & lay flowback line. Blow down well on 1/2" choke. Rig up air unit & pumps. ND Frac Valve; Nu BOP's; RU floor for running pipe; RU test pump & chart. Kill w/ 10 bbl; Install bull plugged hanger & lock; load stack. Test BOP's, Pipes & Blinds, High & Low - All Good; Secure chart & place in well file. Pick up 3 7/8 Junk Mill/Bit sub on 2 3/8" tubing w/ string float; TIH picking up singles. 146 joints in hole (4525'); Secure well; Drain up pumps & lines; SIFN.

1/18/2006 07:00 - 1/18/2006 17:15

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Picking up tubing; Clean out w/ air; Pressure returns). Blow down casing (20 psi); strap row of tubing; warm up engines. Tag sand @ 4805'; MU chiksan; psi test air lines. Start air w/ 2 gal inhibitor, 1 gal soap, & 5 bph mist; Unload hole, establish circulation; Start C/O on joint #156 - 278' sand fill to CBP @ 5083' (joint #164) 9 joints to C/O.
Dry up & Pull back to String Float @ 4805' (#155, Above perms). Secure well; Lock rams; Drain Pumps & lines; SIFN.

1/19/2006 07:00 - 1/19/2006 17:15

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Picking up tubing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks). Casing 560 psi. Install 1/2" Choke and begin Flow back. Pressure on 1/2" choke fair stable @ 160 psi (1 MMCFD); 100 BPD water; 0 BPD oil or drip; Little sand. Remove choke; Trip back in (tag only 8' new fill); Swivel up on #164. Start air; Unload hole; C/O fill; D/O Plug over Lookout/Menefee. Through the plug; Start singling in - chasing downhole, drilling when necessary. Tag sand @ 5540'; Continue drilling, breaking up plug carcass & cleaning out sand to CBP @ 5667'. Tag Plug; Pump sweep; Continue circulating above plug. Blizzard coming up Delgadito Canyon - LD Swivel; Pick up 2 3/8 elevators; LD 6 joints; Secure well; Lock rams; Drain pumps & lines; SIFN.

1/20/2006 07:00 - 1/20/2006 17:15

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks). RIH & Tag fill (3'). TOH w/ Mill. Rig engine shut down - overheating - 230 degrees. Wait on Mechanic. Ice trapped in fan clutch actuator line. Air dryer & first tank by-passed for unknown reasons. Got going. Continue out w/ mill; LD Mill, PU 1.81 Profile nipple w/ plug in place; TIH. Back on bottom. Secure well; Drain pumps & lines; Lock rams; SIFN.

1/23/2006 07:00 - 1/23/2006 17:30

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Slickline ops; Clean out w/ air; Pressure returns; Well unloading; Flowbacks).
Check pressure (650 psi); Blow down casing.
Wait on Slickline.
MIRU Slickline Unit; Pump 5 bbl; RIH & spear plug - sucking;
RIH to pull plug - No Good
RIH to pull plug - No Good
RIH to pull plug - No Good
Appears to have fill - can't latch up.
RDMO Slickline Unit.
TOH w/ tubing; Took kick from tubing (blew out sand & water);
Kill w/ 30 bbl; LD 'F' plug; PU 1.81 'F' nipple w/ 1/2 mule shoe; TIH on kill.
Hook up chiksan; Start air/mist; C/O 20' fill to Dakota plug & Sweep w/2 bbl.
Pull back up to 5507'; Unload hole again & Dry up w/ air.
Secure well; drain pumps & lines; lock rams; SIFN.

1/24/2006 07:00 - 1/24/2006 17:30

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Flow Testing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks).
Check starting pressures: Casing: 640 psi Tubing: 620 psi
Open tubing to 1/2" choke and begin flowback.
Choke puked out ice, pressure dropped off; replace choke & gauges;
Casing: 610 psi Tubing 330 psi

Pressure stable @ Casing 585 psi Tubing 295 psi 1,941 MCFD Gas (Field estimate)
5 bbl water per day 1 bbl oil (condensate) per day No discernable sand returns

Blow down casing & tubing; Rack up flow test iron. TOH w/ 'F' nipple & TIH w/ Mill.
PU power swivel; Tag fill @ 5660'. C/O 7' fill & D/O CBP @ 5667';
Took strong kick from Dakota; Circulated Clear w/ 300-500 psi increase in circulating pressures (from 710 psi on MV, to 1000 to 1250 psi w/ Dakota opened).
LD Swivel; Pull 5 stands (Mill above MV).
Secure well; Lock rams; Drain pumps & lines; SIFN.

1/25/2006 06:00 - 1/25/2006 12:00

Last 24hr Summary

Met w/ crew @ Quarterly Safety Meeting; Went through annual Orientation; Went back through Orientation en Espanol; Ran in to Snow; Canceled Ops for the day - not enough hours, too much snow.

1/26/2006 07:00 - 1/26/2006 17:00

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks).
Blow down casing (740 psi); Shovel snow; warm up rig & air.
Trip back to plug; D/O; LD Swivel & chase plug to bottom;
Tag up 10' down on #248 (7680'). MU chiksan. Unload hole & attempt to wash down - not making hole. MU swivel & drill down on #248. MU #249;
Hydraulic line on swivel parts - shut down & repair; keep circulation going w/air.
PU #249 again & wash down to PBTD: 7730'; pump sweep & dry up.
Continue to flow well up casing; Pull back up to top of Mesa Verde.
Secure well; Lock rams; Drain up pumps & lines; SIFN.

1/27/2006 07:00 - 1/27/2006 17:00

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks).
Blow down casing (750 psi); Warm up rig & equipment.
TOH w/ Mill; Gas from flowback getting to derrick - kill w/ 30 bbl.
LD Mill & string float; PU 1.81 'F' nipple w/ mule shoe collar; TIH, drifting all tubing to 1.901".
Hold up at 6200'; unload hole w/ air.
Continue in drifting pipe to tag 10' new fill.
Unload hole & clean out fill; continue to unload, flow & blow for remainder of day to dry up Dakota.
Dry up tubing; kill w/4 bbl; Pull 5 stands; Secure well; Drain up; Lock rams; SIFN.

1/30/2006 07:00 - 1/30/2006 17:00

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Clean out w/ air; Pressure returns; Well unloading; Flowbacks; Slickline Ops).
Blow down casing (730 psi) & tubing (820 psi).
Trip back to bottom & C/O 6' new fill; Unload w/ air. Pull up to 7385'; Unload again w/ air; dry up.
Install TIW; RU flow back/choke line.
Held meeting w/ crew; Slickline hand; Air hand; 2 Protechnics hands - Discussed potential hazards and ways to avoid them: (Rigging up S/L; Logging; changing tools; Rigging down).
MIRU Slickline unit; TIH w/ EOT tool and tag EOT @ 7397' & PBTD @ 7745';
LD EOT tool; PU Completion Profiler tool & TIH; Pause @ 7477' and log Static;
Drop down to 7717' & open on 1/2" choke - Casing (710 psi) & Tubing (730 tubing); Flow back for 1.75 hours until stable @ Casing (700 psi) & Tubing (300 psi).
Log Completion Profiler across Dakota.

Log Complete. Fluid level 7250' BHP: 946 psi BHT: 206 deg. F

Flowed while logging: 300 psi (1.97 MMCFD) 50 BWPD <1 BOPD

LD Tools; Download data to assure successful log; RDMO Slickline Unit; RD flowback line.
Secure well; Drain up; Lock rams; SIFN.

1/31/2006 07:00 - 1/31/2006 17:00

Last 24hr Summary

Held meeting w/ crew; Discussed potential hazards and ways to avoid them: (Tripping tubing; Clean out w/ air; Pressure returns; Well unloading; Land Tubing; ND BOP's; NU Wellhead; RDMO Service Unit).
Check pressure, Casing (730 psi) & Tubing (780 psi); Blow down pressure.
Run back in & tag 1' fill; C/O & unload w/ dry air. Kill tubing & LD 7 joints; install 10' pup, tubing hanger, & landing joint. Attempt to land tubing (Bradenhead is crooked); raked o-rings off; install new o-rings boom stack over straight, try again - no good. Call for new o-rings. Hot shot 2 sets from town.
Kill casing; slack guys & adjust jacks to kick crown over; tape o-rings & guide in by hand.
Landed as follows:
242 joints 2 3/8" eue 8rd tubing w/ EOT @ 7529' Top of 1.81 'F' profile nipple @ 7528'

ND BOP's; NU Wellhead. Unload kill pill w/ air. Continue to flow well, tubing & casing, to flowback tank to get rid of oxygen; RD derrick & pick up pumps & lines. Rack up remaining iron. Oxygen less than 2%. Prepare to move in a.m. Job Complete. FINAL REPORT.

AMENDED 2/8/06:

Information received 2/8/06: Measured production across the SJ 28-7 190G Dakota formation at the time of logging: 727 Mscf/d gas; 0.0 bpd oil; 4.6 bpd water.

Well Name: San Juan 28-7 #190G
 API #: 30-039-27255-00-X1
 Location: 300' FNL & 1165' FEL
Sec. 27 - T27N - R7W
Rio Arriba County, NM
 Elevation: 6588' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Patterson Rig: #749
 Spud: 6-Dec-05
 Spud Time: 20:00:00 PM
 Date TD Reached: 17-Dec-05
 Release Drl Rig: 18-Dec-05
 Release Time: 0:00

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 Casing Date set: 7-Dec-05
 Size 9 5/8 in
 Set at 235 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 235 ft
 TD of 12-1/4" hole 240 ft

Notified BLM @ 14:30 hrs on 04-Dec-05
 Notified NMOCD @ 14:30 hrs on 04-Dec-05

Intermediate Casing Date set: 10-Dec-05
 Size 7 in 82 jts
 Set at 3561 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 150 % Top of Float Collar 3517 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3561 ft
 Pup @ ft TD of 8-3/4" Hole 3570 ft
 Pup @ ft

Notified BLM @ 08:00 hrs on 08-Dec-05
 Notified NMOCD @ 08:00 hrs on 08-Dec-05

Production Casing: Date set: 17-Dec-05
 Size 4 1/2 in 175 jts
 Set at 7758 ft 2 pups
 Wt. 11.6 ppf Grade N-80
 Hole Size 6 1/4 in Conn LTC
 Excess Cmt 50 % Top of Float Collar 7756 ft
 T.O.C. (est) 3250 Bottom of Casing Shoe 7758 ft
 Marker Jt @ 7440 ft TD of 8-3/4" Hole 7761 ft
 Marker Jt @ 4768 ft
 Marker Jt @ ft
 Marker Jt @ ft

Notified BLM @ hrs on
 Notified NMOCD @ hrs on

Top of Float Collar 7756 ft
 Bottom of Casing Shoe 7758 ft

TD of 8-3/4" Hole: 7761 ft

Surface Cement

Date cmt'd: 7-Dec-05
 Lead : 150 sx Class G Cement
 + 2% S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes
 1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 15.5 bbls fresh wtr
 Bumped Plug at: 07:00 hrs w/ 500 psi
 Final Circ Press:
 Returns during job: YES
 CMT Returns to surface: 10 bbls
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 12.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 11-Dec-05
 Lead : 380 sx Class G Cement
 + 0.25 lb/sx D029 Cellophane Flakes
 + 3% D079 Extender
 + 0.20% D046 Antifoam
 + 10.00 lb/sx Phenoseal
 2.72 cuft/sx, 1033.6 cuft slurry at 11.7 ppg
 Tail : 215 sx 50/50 POZ : Class G Cement
 + 0.25 lb/sx D130 Polyester 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, 281.65 cuft slurry at 13.5 ppg
 Displacement: 123 bbls
 Bumped Plug at:
 Final Circ Press:
 Returns during job: YES
 CMT Returns to surface: 20 bbls
 Floats Held: X Yes No
 W.O.C. for NA hrs (plug bump to start NU BOP)
 W.O.C. for 12.00 hrs (plug bump to test csg)

Production Cement

Date cmt'd: 17-Dec-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: 120.2 bbls
 Bumped Plug: did not bump
 Final Circ Press: 1648 psi @ 2.0 bpm
 Returns during job: None Planned
 CMT Returns to surface: None Planned
 Floats Held: X Yes No

Schematic prepared by:
 Michael P. Neuschafer, Drilling Engineer
 22-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 @ 192'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.	Total:	
7" Intermediate	DISPLACED W/ 123 BBLS. FRESH WATER. CENTRALIZERS @ 3551', 3475', 3396', 3309', 3224', 3104', 231', 102', 59'. TURBOLIZERS @ 2581', 2537', 2499', 2456', 2414'.	Total:	9
4-1/2" Prod.	NONE.	Total:	5