

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

5. Lease Serial No.
NMSF 079290

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other

b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv: 42

Other

2. Name of Operator
CONOCO, INC.

3. Address
P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

3.a Phone No. (Include area code)
(832)486-2326

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

At Surface SENW 1945' FNL & 2255' FWL

At top prod. interval reported below

At total depth

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No.

SAN JUAN 28-7 UNIT 259F

9. API Well No.

30-039-27044

10. Field and Pool, or Exploratory

BASIN DAKOTA

11. Sec., T., R., M., on Block and
Survey or Area F 24 28N 7W

12. County or Parish

RIO ARRIBA

13. State

NEW MEXICO

14. Date Spudded

06/28/2003

15. Date T.D. Reached

07/04/2003

16. Date Completed

☐ D & A ☒ Ready to Prod

07/21/2003

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

6642 GL

18. Total Depth: MD 7875
TVD

19. Plug Back T.D.: MD 7872
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	32.3 H40	0	226		150 50/50		0	
8.75	7	20 J55	0	3670		POZ ST		0	
6.25	4.5	10.5 J55	0	7875		550 50/50		1000	
						525 50/50			
						POZ ST			

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	7634							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN DAKOTA	7610	7824	7610 - 7824	.75	57	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7610 - 7824	FRAC W/SLICKWATER @ 1.15G/MG FR, 50,000# 20/40 SAND & 2986 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
09/09/03	09/02/03	24	→	1	1716	5			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	260	850	→					PRODUCING	

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

OCT 14 2003

FARMINGTON FIELD OFFICE

BY Jy

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
				NACIAMENTO	1165
				OJO ALAMO	2395
				KIRTLAND	2576
				FRUITLAND	2794
				PICTURE CLIFFS	3011
				CHACRA	4316
				MENEFEE	5089
				POINT LOOKOUT	5524
				TWO WELLS	7596
				CUBERO	7712
				LOWER CUBERO	7744

32. Additional remarks (include plugging procedure):

This well is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Attached are the current wellbore schematic and 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) DEBORAH MARBERRY

Title REGULATORY ANALYST

Signature

Deborah Marberry

Date 09/29/2003

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.

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Daily Summary

API/UWI 3003927044	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-07W-24-F	N/S Dist. (ft) 1945.0	N/S Ref. N	E/W Dist. (ft) 2255.0	E/W Ref. W
Ground Elevation (ft) 6641.00	Spud Date 6/28/2003	Rig Release Date 7/5/2003	Latitude (DMS) 36° 39' 0" N	Longitude (DMS) 107° 31' 48" W			

Start Date	Ops This Rpt
8/26/2003 00:00	HELD SAFETY MTG. SICP= 820# BLEED CSG. DOWN. TIH W/ 14 JTS 2 3/8" TBG. TAG FILL @ 5635'. BREAK CIRCULATION W/ GAS. ULOAD AND C/O TO PLUG @ 5760'. DRILL PLUG. TIH W/ 64 JTS TBG. AND TAG FILL @ 7621'. (95% PERFS COVERED). BREAK CIRCULATION W/ GAS. C/O FILL W/ 2 JTS. 1 GAS COMPRESSOR WENT DOWN ON LOW OIL PSI. CALLED FOR MECHANIC. CONTINUE TO CIRCULATE W/ 1 COMPRESSOR. MECHANIC ON LOC @ 4:00 PM. UNIT NOT FIXED TILL 5:00. POOH W/ 6 JTS 2 3/8". SECURE WELL AND SDFN.
8/27/2003 00:00	HELD SAFETY MTG. SICP=800#. BLEED CSG. DOWN. TIH W/ 12 JTS AND TAG FILL. BREAK CIRCULATION W/ GAS. C/O FRAC SAND FROM 7680' TO PBTD OF 7872' W/ 6 JTS CIRCULATING EVERY JT. CLEAN. CIRCULATE REMAINDER OF DAY. RETURNING LIGHT FLUID AND MED SAND. BOTH GAS COMPRESSORS WENT DOWN @ 16:30. ATTEMPT TO PUH. WAS HUNG IN SAND FOR 30 MIN BUT ABLE TO WORK FREE. POOH W/ 12 JTS TO GET ABOVE DK PERFS. SECURE WELL AND SDFN.
8/28/2003 00:00	HELD SAFETY MTG. SICP=850#. REPAIR COMPRESSORS. (BAD PLUGS AND FUEL DIAPHRAM. R&R STARTER.). TIH W/ 12 JTS AND TAG FILL @ 7858'. C/O FILL TO PBTD OF 7872'. CIRCULATE, 1 COMPRESSOR DOWN ON HIGH TEMP. PUMP 10 BBL FOAM SWEEPS EVERY HOUR FOR 4 HRS. CIRCULATE CLEAN. RETURNING LIGHT SAND W/ EVERY SWEEP. PUH W/ 12 JTS. SECURE WELL AND SDFN.
8/29/2003 00:00	HELD SAFETY MTG. SICP=860#. BLEAD CSG. DOWN. TIH W/ 12 JTS 2 3/8" TBG. TAG 10' FILL. BREAK CIRCULATION W/ GAS. C/O FILL TO PBTD. CIRCULATE CLEAN REMAINDER OF DAY RUNNING 10 BBL FOAM SWEEPS EVERY HOUR. NO SAND REALIZED BY 4:00 PM. POOH W/ 12 JTS TBG. SECURE WELL AND SDFN.
8/30/2003 00:00	
8/31/2003 00:00	
9/1/2003 00:00	
9/2/2003 00:00	HELD SAFETY MTG. SICP=920#. BLEED CSG DOWN. TIH W/ 12 JTS AND TAG NO FILL. KILL W/ 40 BBL KCL. POOH W/ 252 JTS 2 3/8" TBG AND LD MILL AND BIT SUB. PU BAKER 4.5" RETRIVOMATIC PKR AND TBG. VALVE. TIH W/241 JTS 2 3/8" TBG. SET PKR @ 7569'. OPEN BY-PASS AND UNLOAD WELL. SHUT BY PASS. SI CSG. OPEN TBG. VALVE. GET DK FLOWING UP TBG AND TEST AS FOLLOWS: DK PERFS. 7610'-7824' 2 3/8" TBG. W/ RETRIVOMATIC PKR SET @ 7569'. TESTED W/ 1/2" CHOKE. (COEFICIENT OF 6.6) FTP= 260# SICP=850# DK PRODUCTION= 1716 MCFPD 5 BWPD 1 BOPD 1 BCPD NO SAND TEST WITNESSED BY W.SHENEFIELD W/ MSCI AND T.MONK W/ KEY ENERGY SERVICES CLOSE TBG. VALVE. OPEN UP CSG. OPEN BY-PASS AND RELEASE PKR. POOH W/ 92 JTS 2 3/8" TBG. LEAVR PKR HANGING 100' OVER MV PERFS. SECURE WELL AND SDFN.
9/3/2003 00:00	HELD SAFETY MTG. SICP= 840#. BLEED CSG. DOWN. TOOH W/ 149 JTS 2 3/8" TBG. LD PKR AND TBG. VALVE. MU AND TIH W/ EXP CK. 1.781 SN AND 252 JTS 2 3/8" TBG. DRIFTING EVERY 2 STANDS W/ SAND LINE. TAG W/ 10' FILL. BREAK CIRCULATION W/ GAS UNLOAD WELL AND C/O TO PBTD. CIRCULATE CLEAN. POOH W/ 8 JTS MU TBG. HANGER. LAND W/ EOT @ 7634' KB. TOP OF SN @ 7632.5'. ND BOP, NU MASTER VALVE. PUMP 3 BBL KCL. DROP BALL. PRESSURE UP TO 800# W/ GAS. HELD FOR 15 MIN TO TEST TBG. TESTED GOOD. PRESSURE UP TO 980# AND PUMP OUT EXP. CK. LET WELL FLOW UP TBG. AND CSG. TO ENSURE CK TO BE GONE. SWI AND SECURE W/ 860# ON CSG. 480# TBG. RD EQUIPMENT. TOO WINDY TO RD UNIT.
9/4/2003 00:00	HELD SAFETY MTG. RD UNIT MO LOCATION. TURN OVER TO OPERATOR AND EPNG FOR PRODUCTION. FINAL REPORT.

Daily Summary

API/UWI 3003927044	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-07W-24-F	N/S Dist. (ft) 1945.0	N/S Ref. N	E/W Dist. (ft) 2255.0	E/W Ref. W
Ground Elevation (ft) 6641.00	Spud Date 6/28/2003	Rig Release Date 7/5/2003	Latitude (DMS) 36° 39' 0" N	Longitude (DMS) 107° 31' 48" W			

Start Date	Ops This Rpt
7/10/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER WIRELINE AND WOODGROUP TEST UNIT. PRESSURED UP CSG TO 2000 #. PU CBL TOOLS AND RIH AND TAG CMT @ 7860' WLM. PBDT @ 7875'. RAN CBL LOG FROM 7860' TO 900'. TOP OF CEMENT @ 1000'. RAN TDT LOG FROM 7860' TO 2000'. RAN GR/CCL LOG FROM 7860' TO SURFACE. TESTED 4 1/2" CSG TO 4300 #. HELD FOR 30 MIN. TEST WAS GOOD. WITNESSED BY W. SHENEFIELD W/ MVCI. RD SCHLUMBERGER AND WOODGROUP
7/20/2003 00:00	ELD SAFETY MEETING. RU BLUE JET. PERFORATED THE DAKOTA. RIH W/ 3 1/8" 120 DEGREE PP SELECT FIRE PERFORATING GUN. PERFORATED FROM 7610' - 7634' W/ 1 SPF, 7718' - 7732' W/ 1 SPF, 7774' - 7780' W/ 1 SPF, 7794' - 7798' W/ 1 SPF, 7820' - 7824' W/ 1 SPF. A TOTAL OF 57 HOLES @ 0.34 DIA. SWION. RD BLUE JET.
7/21/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE DAKOTA. TESTED LINES TO 5170 #. SET POP OFF @ 3808 #. BROKE DOWN FORMATION @ 4 BPM @ 1728 #. DROPPED 24 BALL SEALERS IN 1000 GALS 15% HCL ACID @ 1 BALL PER BBL AND 2 BALLS PER BBL FOR THE REMAINING 22 BALL SEALERS @ 15 BPM @ 1883 #. A TOTAL OF 46 BALL SEALERS. GOOD BALL ACTION. BALLED OFF @ 2766 #. RU BLUE JET. RIH W/ JUNK BASKET RETRIEVED 46 BALL SEALERS. PUMPED PRE PAD @ 41 BPM @ 3210 #. SDRT 34 BPM @ 2170 #. SDRT 21 BPM @ 1756 #. SDRT 11 BPM @ 1528 #. ISIP 1370 #. 5 MIN 1078 #. 10 MIN 997 #. 15 MIN 887 #. 20 MIN 796 #. 25 MIN 713 #. 30 MIN 477 #. FRAC'D THE DAKOTA W/ SLICKWATER @ 1.15g/mg FR, 50,000 # 20/40 SUPER LC SAND & 2986 BBLS FLUID. AVG RATE 55 BPM. AVG PSI 3150 #. MAX PSI 3465 #. MAX SAND CONS .70 # PER GAL. ISIP 1960 #. FRAC GRADIENT .62. RIH W/ 4 1/2" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5030' - 5036' W/ 1/2 SPF, 5077' - 5083' W/ 1/2 SPF, 5530' - 5546' W/ 1/2 SPF, 5558' - 5566' W/ 1/2 SPF, 5592' - 5596' W/ 1/2 SPF, 5604' - 5608' W/ 1/2 SPF, 5620' - 5624' W/ 1/2 SPF, 5654' - 5660' W/ 1/2 SPF. A TOTAL OF 35 HOLES. FRAC'D THE CH & PL. TESTED LINES TO 5104 #. SET POP OFF @ 3815 #. BROKE DOWN FORMATION @ 3 BPM @ 3222 #. DROPPED 30 BALL IN 1250 GAL OF 15% HCL ACID @ 1 BALL PER BBL @ 14 BPM @ 276. NO BALL ACTION. BALLED OFF @ 200. RIH W/ JUNK BASKET AND RETRIEVED 30 BALL. PUMPED PRE PAD @ 35 BPM @ 560 #. ISIP 0 #. 5 MIN 0 #. FRAC'D THE CH & PL W/ 65 Q SLICK WATER FOAM W/ 1 G/MG FR, 170,000 # OF 20/40 BRADY SAND AND TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL, 2,363,900 SCF N2 & 2007 BBLS FLUID. AVG RAT 55 BPM. AVG PSI 2836 #. MAX PSI 2981 #. MAX SAND CONS 1.50 # PER GAL. ISIP 760 #. FRAC GRADIENT .44. SWI. RD SCHLUMBERGER.
8/20/2003 00:00	HELD PRE JOB SAFETY MTG. W/ KEY & DAWN TRUCKING. LOAD EQUIPMENT. ROAD UNIT AND EQUIPMENT FROM REAMES COM 3 TO SJ 28-7# 259F. HELD PRE-RU SM. SPOT UNIT AND EQUIPMENT. RU PUMP, PIT AND UNIT. LAY BLOW DOWN LINES. RU GAS COMPRESSORS, SURGE SEPERATOR, AND METER RUN. CHECK PRESSURE. SICP= 850# RD FRAC Y AND UPPER FRAC VALVE. OPEN UP AND BLEED CSG DOWN TO PIT. PUMP 60 BBL KCL AND KILL. RU TBG. HANGER W/ BULL PLUG. ND FRAC VALVE. RU BOPE. SECURE WELL AND SDFN.
8/21/2003 00:00	HELD PRE-JOB SAFETY MTG. SICP=850#. FINISH RU BLOW DOWN LINES. RU WOODGROUP TEST UNIT. TEST BLIND AND PIPE RAMS. (250# LOW AND 5000# HIGH). TEST WAS GOOD. WITNESSED BY W. SHENEFIELD. W/ MVCI. BLEED CSG DOWN. TO 500#. KILL W/ 40 BBL KCL. PULL TBG HANGER. RU FLOOR AND TBG. TOOLS. TALLY AND PU 92 JTS 2 3/8" TBG. TO 2883'. BREAK CIRCULATION W/ GAS. GAS COMP UNIT # 0079032. WENT DOWN AND WOULD NOT RESTART. CALLED MECHANIC TO RETURN. INSPECTED UNIT AND SAID STARTER VAINS ARE BAD. WILL REPLACE IN THE AM. CONTINUE TO CIRCULATE REMAINDER OF AFTERNOON W/ 1 GAS COMPRESSOR. SECURE WELL AND SDFN.
8/22/2003 00:00	HELD PRE-JOB SAFETY MTG. SICP= 850#. BLEED CSG. DOWN. TALLY, PU AND TIH W/ 90 JTS 2 3/8" TBG. TAG FILL @ 5666'. (ALL PERFS OPEN.). REPLACE STARTER ON GAS COMPRESSOR. BREAK CIRCULATION W/ GAS. UNLOAD HOLE. C/O TO CBP @ 5760' W/ 4 JTS. CIRCULATE CLEAN REMAINDER OF DAY. POOH W/ 28 JTS 2 3/8" TBG. AND STAND BACK. SECURE WELL AND SDFN.
8/25/2003 00:00	HELD PRE-JOB SAFETY MTG. SICP= 820#. BLEED CSG. DOWN. TIH W/ 27 JTS 2 3/8" TBG. AND TAGGED NO FILL. POOH W/ 12 JTS 2 3/8" TBG. TO 5372' KB. RU FLOW TEST LINE. TEST MV FORMATION FOR 8 HRS AS FOLLOWS: MV PERFS- 5030'-5660' 2 3/8" TBG. SET @ 5372' KB.(OPEN ENDED) TESTED W/ 1/2" CHOKE . COEFICIENT OF 6.6 SICP=750# FTP= 560# MV PRODUCTION= 3696 MCFPD 5 BWPD 1 BOPD 1 BCPD NO SAND TEST WITNESSED BY W. SHENEFIELD W/ MVCI & T. MONK W/ KEY ENERGY SERVICES. POOH W/ 170 JTS 2 3/8" TBG. LD NOTCHED COLLAR. MU AND TIH W/ 3 7/8" MILL , BIT SUB AND 165 JTS 2 3/8" TBG. SECURE WELL AND SDFN.

Well Name: SAN JUAN 28-7 # 259F
 API #: 30-039-27044

Spud Date: 28-Jun-03
 Spud Time: 03:45

TD Date: 4-Jul-03
 Rig Release Date: 5-Jul-03

RKB TO GROUND LEVEL: 12 FT
 ALL DEPTHS ARE FROM RKB

Surface Casing Date set: 28-Jun-03
 Size 9 5/8 in
 Set at 226 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in
 Wash Out 150 %
 Est. T.O.C. 0 ft

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ _____ hrs on _____

Intermediate Casing Date set: 1-Jul-03
 Size 7 in
 Set at 3670 ft # Jnts: 89
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in
 Wash Out 150 %
 Est. T.O.C. SURFACE

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ _____ hrs on _____

Production Casing Date set: 4-Jul-03
 Size 4 1/2 in
 Wt. 10.5 ppf Grade: J-55 from 0 to 7875 ft
 Hole Size 6 1/4 in # Jnts: 184
 Wash Out: 60 %
 Est. T.O.C. 2200 ft
 Marker Jt: 4985' - 5005'
 Marker Jt: _____

Notified BLM @ _____ hrs
 on _____ Top of Float Collar 7872 ft
 Notified NMOCD @ _____ hrs Csg Shoe 7875 ft

TD 7,875 ft

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

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used

Surface Cmt Date cmt'd: 28-Jun-03
 Lead : 150 sx 50/50 POZ:Standard
 + 2% Bentonite + 3% CaCl2
 + 5 lb/sx Gilsonite + 0.5 lb/sx Cello-Flake
 + 0.2 CFR-3, Yield = 1.32 cuft/sx
198 cuft slurry mixed at 13.5 ppg
 Displacement: 14.0 bbls Fresh Wtr
 Pumping Done at: 12:47 hrs
 Final Circ Pressure : 111 psi
 Returns during job: Yes
 CMT Returns to surface: 10 bbls
 Floats Held: No floats run
 W.O.C. for 11 hrs (plug bump to drlg cmt)

Int. Cement Date cmt'd: 1-Jul-03
 Lead : 450 sx Standard Cement
 + 3% Econolite + 10 lb/sx PhenoSeal
2.88 cuft/sx, 1296 cuft slurry at 11.5 ppg
 Tail: 100 sx 50/50 POZ:Standard Cement
 + 2% Bentonite + 2% CaCl2
 + 6 lb/sx PhenoSeal
1.33 cuft/sx, 133 cuft slurry at 13.5 ppg
 Displacement: 146 bbls Fresh Wtr
 Bumped Plug at: 19:10 hrs
 Final Circ Pressure: 1100 psi
 Returns during job: Yes
 CMT Returns to surface: 85 bbls
 Floats Held: X Yes No
 W.O.C. for 16.5 hrs (plug bump to drlg cmt)

Prod. Cmt Date cmt'd: 4-Jul-03
525 sx 50/50 POZ:Standard Cement
 + 3% Bentonite + 0.2 % CFR-3
 + 0.1% HR-5 + 0.8% Halad-9
 + 5 lb/sx PhenoSeal
1.45 cuft/ sx, 761 cuft slurry at 13.1 ppg
 Displacement: 122 bbls 2% KCL water
 Bumped Plug at: 21:30 hrs
 Final Circ Pressure: 2000
 Returns during job: SEE COMMENTS
 CMT Returns to surface: none
 Floats Held: X Yes No
 Mud Wt. @ TD AIR ppg

COMMENTS:

Surface: No float equipment run. Ran guide shoe and aluminum baffle plate 1 jt above guide shoe.

Displaced cement with a top plug and held shut in pressure on casing head while WOC to set before backing out landing jt.

Intermediate:

Production: The 6-1/4" hole was air drilled and was filled with air when the prod csg was cmt'd. Therefore there were no returns during cmtng.

CENTRALIZERS:

Surface: Centralizers @ 205', 183', 142', & 101'

Total: 4

Intermediate: Centralizers @ 3660', 3586', 3503', 3421', 3339', 3256', and 204'.
 Turbolizers @ 2555', 2512', and 2471'

Total: 7

Total: 3

Production: No centralizers run on production casing

Total: none