

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: November 30, 2000

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMSF079289

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMMN78413C		
2. Name of Operator CONOCOPHILLIPS COMPANY			8. Lease Name and Well No. SAN JUAN 28-7 UNIT 61B		
3. Address 5525 HIGHWAY 64 FARMINGTON, NM 87401			9. API Well No. 30-039-27250-00-S1		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSW 1070FSL 450FWL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
14. Date Spudded 10/23/2003			15. Date T.D. Reached 11/01/2003		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/16/2003			17. Elevations (DF, KB, RT, GL)* 6606 GL		
18. Total Depth: MD 5794 TVD		19. Plug Back T.D.: MD 5793 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL TDT GR CCL			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

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
12.250	9.625 J55	36.0	0	239		150		0	
8.750	7.000 J55	20.0	0	3690		583		0	
6.250	4.500 J55	11.0	13	5794		300		2280	

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	5504							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	4957	5610	4957 TO 5022	0.340	26	OPEN
B)			5492 TO 5610	0.340	33	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
4957 TO 5022	FRAC W/65Q SLICKWATER FOAM W/ 1G/MG FR, 100,000# 20/40 SAND, 1,283,700 SCF N2 & 1271 BBLS FLUID
5492 TO 5610	FRAC W/65Q SLICKWATER FOAM W/1 G/MG FR, 150,000# 20/40 SAND, 1,766,690 SCF N2 & 1920 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
12/19/2003	12/06/2003	24	→	25.0	2178.0	5.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
1/2	SI	330	→	25	2178	5		PGW	

28a. 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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #27518 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

NMOC

ACCEPTED FOR RECORD

MAR 6 8 2004

FARMINGTON FIELD OFFICE

## 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 of 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
SAN JOSE	0	1100		NACIMIENTO	1200
NACIMIENTO	1100	2386		OJO ALAMO	2412
OJO ALAMO	2386	2559		KIRTLAND	2547
				FRUITLAND	3026
				PICTURED CLIFFS	3309
				CHACRA	4253
				CLIFF HOUSE	4955
				MENEFEE	5129
				POINT LOOKOUT	5480

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

This well is a single producing from the Mesaverde pool. Attached are the daily summaries and the current wellbore schematic.

## 33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic 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):

Electronic Submission #27518 Verified by the BLM Well Information System.  
For CONOCOPHILLIPS COMPANY, sent to the Farmington  
Committed to AFMSS for processing by ADRIENNE GARCIA on 03/08/2004 (04AXG2001SE)

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACT

Signature \_\_\_\_\_ (Electronic Submission)

Date 02/03/2004

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\***

## Daily Summary

API/UWI 300392725000	County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location NMPM-28N-07W-10-M	N/S Dist. (ft) 1070.0	N/S Ref. S	E/W Dist. (ft) 450.0	E/W Ref. W
Ground Elevation (ft) 6606.00	Spud Date 10/23/2003	Rig Release Date 11/1/2003	Latitude (DMS) 36° 40' 17.0004" N	Longitude (DMS) 107° 34' 2.1432" W			

Start Date	Ops This Rpt
11/4/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. PRESSURED UP CSG TO 1500 #. RAN CBL LOG FROM 5778' TO 2000'. TOP OF CEMENT @ 2280'. RAN TDT LOG FROM 5778' TO 2000'. RAN GR/CCL LOG FROM 5778' TO SURFACE. TESTED 4 1/2" CSG TO 4300 # FOR 30 MIN. HELD OK. RD SCHLUMBERGER.
11/16/2003 00:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE POINT LOOKOUT. RIH W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 5492' - 5514' W/ 1/2 SPF, 5541' - 5547' W/ 1/2 SPF, 5554' - 5564' W/ 1/2 SPF, 5570' - 5582' W/ 1/2 SPF, 5604' - 5610' W/ 1/2 SPF. A TOTAL OF 33 HOLES W/ 0.34 DIAMETER. SWI. RD BLUE JET.
11/17/2003 00:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE POINT LOOKOUT. TESTED LINES TO 5455 #. SET POP OFF @ 3810 #. BROKE DOWN FORMATION @ 4 BPM @ 2835 #. DROPPED 26 BALL SEALERS IN 1100 GALS OF 15% HCL ACID @ 1 BALL PER BBL @ 20 BPM @ 236. GOOD BALL ACTION. BALLED OFF @ 869. RU BLUE JET. RIH W/ JUNK BASKET AND RETRIEVED 26 BALL SEALERS. PUMPED PRE PAD @ 36 BPM @ 461 #. SDRT 30 BPM @ 170 #. SDRT 25 BPM @ 0 #. ISIP 0 #. FRAC'D THE POINT LOOKOUT W/ 65 Q SLICK WATER FOAM W/ 1 G/MG FR, 150,000 # OF 20/40 BRADY SAND 1,766,690 SCF N2 & 1920 BBLs FLUID. TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL, AVG RATE 45 BPM. AVG PRESSURE 1904 #. MAX PRESSURE 1962 #. MAX SAND CONS 1.5 # PER GAL. ISIP 100 #. FRAC GRADIENT .44. RIH W/ 4 1/2" FRAC PLUG. SET PLUG @ 5040'. TESTED PLUG TO 4300 #. HELD OK. PERFORATED THE CLIFFHOUSE. RIH W/ 3 1/8" 120 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4957' - 4973' W/ 1/2 SPF, 4980' - 4988' W/ 1/2 SPF 5000' - 5022' W/ 1/2 SPF. A TOTAL OF 26 HOLES W/ 0.34 DIA. FRAC'D THE CLIFFHOUSE. TESTED LINES TO 5350 #. SET POP OFF @ 3870 #. BROKE DOWN FORMATION @ 4 BPM @ 2826 #. DROPPED 22 BALL SEALERS IN 1000 GALS OF 15% HCL ACID @ 1 BALL PER BBL @ 15 BPM @ 1054. GOOD BALL ACTION. BALLED OFF @ 1121. RU BLUE JET. RIH W/ JUNK BASKET AND RETRIEVED 22 BALL SEALERS. PUMPED PRE PAD @ 34 BPM @ 1924 #. SDRT 25 BPM @ 1509 #. SDRT 20 BPM @ 1226 #. SDRT 15BPM @ 931. SDRT 10 BPM @ 866 #. ISIP 460 #. 5 MIN 0 #. FRAC'D THE CLIFFHOUSE W/ 65 Q SLICK WATER FOAM W/ 1 G/MG FR, 100,000 # OF 20/40 BRADY SAND, 1,283,700 SCF N2 & 1271 BBLs FLUID. TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL, AVG RATE 42 BPM. AVG PRESSURE 2715 #. MAX PRESSURE 2978 #. MAX SAND CONS 1.5 # PER GAL. ISIP 2280 #. FRAC GRADIENT .53. RD SCHLUMBERGER.
11/24/2003 00:00	HELD PJSM. LOAD EQUIPMENT ON SJ 28-7#232F, ROAD UNIT AND EQUIPMENT TO SJ 28-7# 61B. HELD PRE-RU SM. SPOT UNIT AND EQUIPMENT. RU UNIT. RU PUMP AND LINES. RU AIR EQUIPMENT. RU FLOAT HAND RAILS. RU BLOW DOWN LINES. PLACE CONCRETE BLOCKS. PREP TO BLOW DOWN, KILL AND NU BOPE. SECURE WELL AND SDFN.
11/25/2003 00:00	HELD PJSM. CHECK PSI SICP=880#. FINISH RU BLOW DOWN LINE. OPEN WELL UP ON 1/2" CHOKE AND BLEED DOWN. ND FRAC Y, AND UPPER FRAC VALVE. KILL WELL W/ 40 BBL KCL. ND LOWER FRAC VALVE. INSTALL PLUGGED TBG. HANGER. NU BOPE. RU ACCUMULATOR. TEST NEW MOTOR AND PUMP (ON ACCUMULATOR) RU KEY ENERGY PSI PUMP. ATTEMPT TO TEST BOPE. UNABLE TO TEST DUE TO PUMP PROBLEMS. CALLED FOR WG TEST UNIT. SOLD OUT ALL DAY. ATTEMPT TO REPAIR PRESSURE PUMP. W/ NO LUCK. TEST BOP PIPE AND BLIND RAMS TO 250# LOW FOR 5MIN EA. AND 2800# HIGH FOR 10 EA. W/ RIG PUMP. (TEST WAS NOT CHARTED). RU FLOOR AND TBG. TOOLS. RU FLOW LINES OFF OF UPPER SPOOL. DRAIN EQUIPMENT. SECURE WELL AND SDFN.
11/26/2003 00:00	MONTHLY BREAKFAST SM @ THE INN. ROAD TO LOC. PJSM. CHECK PSI. 180#. MU AND TIH W/ 3 7/8" MILL, BIT SUB AND 100 JTS 2 3/8" TBG PICKING UP OFF FLOAT. BREAK CIRCULATION W/ AIR UNLOAD WELL. BLOW EQUIPMENT DRY. SECURE WELL AND SDF HOLIDAY. RETURNING ON MONDAY.
12/1/2003 00:00	HELD PJSM. SICP=350#. OPEN UP CSG. TIH PICKING UP W/ 62 JTS 2 3/8" TBG. TAGGED FILL @ 5003'. BREAK CIRCULATION W/ AIR MIST. UNLOAD HOLE. CLEAN OUT TO 5025' W/ 1 JT 2 3/8" TBG. CIRCULATE CLEAN. LET MIST DRY UP. SD AIR. PUH 1 STAND AND ATTEMPT TO TEST UPPER MV. CLIFFHOUSE TRYING TO LOG OFF. RIH TO ORIGINAL SETTING. BREAK CIRCULATION W/ AIR. UNLOAD FRAC WATER REMAINDER OF DAY. RETURNING MED FOAM W/ VERY LIGHT SAND AND 10-12 BBL FLUID PER HR. SHOULD ACHIEVE CLIFFHOUSE TEST TOMORROW. POOH W/ 6 JTS 2 3/8" TBG. SECURE WELL AND SDFN.

## Daily Summary

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Start Date	Ops This Rpt
12/2/2003 00:00	<p>HELD PJSM. SICP= 650#. OPEN CSG UP. TIH W/ 6 JTS AND TAG NO FILL. PUH 1 JT AND UNLOAD WELL W/ AIR. BLOW-AROUND FOR 1 HR. SD AIR AND FLOW TEST CH FORMATION FOR 4 HRS. AS FOLLOWS.</p> <p>CH PERFS. 4957'-5022'</p> <p>4.5" 10.5# CSG TO SURFACE</p> <p>2 3/8" TBG SET @ 4994' W/ STRING FLOAT</p> <p>SITP- N/A ( FLOAT IN TBG. STRING)</p> <p>FCP= 80#</p> <p>TESTED ON 1/2" CHOKE. (COEFICIENT OF 6.6)</p> <p>CH PRODUCTION= 528 MCFPD</p> <p>1/2 BOPD</p> <p>10 BWPD</p> <p>NO SAND</p> <p>TEST WITNESSED BY T.MONK W/ KEY ENERGY SERVICES.</p> <p>TIH W/ 1 JT. PU SWIVEL AND C/O FRAC SAND TO FRAC PLUG @ 5040'. WELL STARTED UNLOADING HEAVY SAND AND MED OIL. CIRCULATING PRESSURES FROM 430# TO 1260# IN MATTER OF MINUTES. LET CIRCULATE REMAINDER OF DAY. SAND DOWN TO 4 CUPS PER 5 GAL W/ TRACE OF OIL VISIBLE. RD SWIVEL POOH W/ 6 JTS 2 3/8" TBG. SECURE WELL. DRAIN PUMP AND LINES. SDFN.</p>
12/3/2003 00:00	<p>HELD PJSM. SICP= 780#. OPEN WELL UP. TIH W/ 6 JTS AND RU SWIVEL. BREAK CIRCULATION W/ AIR. UNLOAD HOLE AND DRILL PLUG @ 5040'. TIH W/ SIGLES AND SWIVEL AND TAG FILL @ 5603'. C/O FRAC SAND W/ 1 JT. WELL CIRCULATION @ 1200#. PLO FORMATION STARTED MAKING HEAVY OIL. CIRCULATE CLEAN.SD AIR. LD SWIVEL POOH W/ 14 JTS 2 3/8" TBG. CALLED FOR LD TANK AND TRUCK TO SKIM APROX. 90 BBL OIL OFF OF PIT. WAIT FOR EQUIPMENT TILL 17:00. SECURE WELL AND SDFN.</p>
12/4/2003 00:00	<p>HELD PJSM. SICP= 750#. OPEN WELL UP. TIH W/ 14 JTS 2 3/8" TBG. TAGGED NO FILL. BREAK CIRCULATION W/ AIR. UNLOAD WELL. C/O FILL FROM 5634' TO PBTD. CIRCULATE CLEAN REMAINDER OF DAY. WELL WAS RETURNING 10-15 BBL OIL PER HR AND 10 BBL WATER. LD SWIVEL POOH W/ 118 JTS 2 3/8" TBG. SECURE WELL AND SDFN.</p>
12/5/2003 00:00	<p>HELD PJSM. SICP= 700#. OPEN WELL UP. TOO H W/ 170 JTS 2 3/8" TBG. LD MILL. PU MS COLLAR, 1.81 FN AND TIH W/ 188 JTS 2 3/8" DRIFTING EVERY STAND W/ APPROVED 2 3/8" TBG. DRIFT. BREAK CIRCULATION W/ AIR. UNLOAD HOLE. SD AIR. PUH 10 JTS LAYING DOWN. LAND EOT W/ 178 JTS @ 5504' KB. W/ TOP OF FN @ 5502'. ND BOPE, NU MASTER VALVE. SECURE WELL AND SDFN.</p> <p>( WILL POSSIBLY NEED PARAFIN TREATMENT FOR THIS WELL IF OIL PRODUCTION CONTINUES.).</p>
12/6/2003 00:00	<p>PJ SM. RU TEST LINE.GET FLOWING UP TBG. AND TEST ENTIRE MV FORMATION. TEST IS AS FOLLOWS:</p> <p>MV PERFS- 4957' - 5610'.</p> <p>178 JTS 2 3/8" TBG W/ EOT @ 5504'.</p> <p>TESTED ON 1/2" CHOKE. ( COEFICIENT OF 6.6).</p> <p>SICP= 710#</p> <p>FTP=330#</p> <p>MV PRODUCTION= 2178 MCFPD</p> <p>25 BOPD</p> <p>5 BWPD</p> <p>NO SAND.</p> <p>TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES.</p> <p>RD UNIT AND EQUIPMENT.</p> <p>SECURE WELL AND SD. FINAL REPORT.</p>

# **END OF WELL SCHEMATIC**

**ConocoPhillips**

Well Name: SAN JUAN 28-7 # 61B  
API #: 30-039-27250

Spud: 23-Oct-03  
Release: 1-Nov-03

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

**Surface Casing** Date set: 23-Oct-03  
Size 9 5/8 in  
Set at 239 ft # Jnts: 5  
Wt. 36 ppf Grade J-55  
Hole Size 12 1/4 in Conn STC  
Wash Out 150 %  
Est. T.O.C. 0 ft

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

☒ New  
☐ Used

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Intermediate Casing** Date set: 29-Oct-03  
Size 7 in  
Set at 3690 ft # Jnts: 89  
Wt. 20 ppf Grade J-55  
Hole Size 8 3/4 in Conn STC  
Wash Out 150 %  
Est. T.O.C. SURFACE

☒ New  
☐ Used

Notified BLM @ \_\_\_\_\_ hrs on \_\_\_\_\_  
Notified NMOCD @ \_\_\_\_\_ hrs on \_\_\_\_\_

**Production Casing** Date set: 31-Oct-03  
Size 4 1/2 in  
Wt. 10.5 ppf Grade: J-55 from 13 to 5794 ft  
Hole Size 6 1/4 in Conn STC  
Wash Out: 50 % # Jnts: 134  
Est. T.O.C. 2370 ft  
Marker Jt: 4731' - 4741'  
Marker Jt: 4741' - 4751'  
Marker Jt: 4751' - 4760'

☒ New  
☐ Used

Top of Float Collar 5793 ft  
Csg Shoe 5794 ft

TD 5,794 ft

**Surface Cmt** Date cmt'd: 23-Oct-03  
Lead : 150 sx 50/50 POZ:Standard  
+ 2% Bentonite + 3% CaCl2  
+ 5 lb/sx Gilsonite + 0.25 lb/sx Cello-Flake  
+ 0.2 CFR-3, Yield = 1.34 cuft/sx  
201 cuft slurry mixed at 13.5 ppg  
Displacement: 15.0 bbls Fresh Wtr  
Pumping Done at: 20:48 hrs  
Final Circ Pressure : 80 psi  
Returns during job: Yes  
CMT Returns to surface: 15 bbls  
Floats Held: No floats run  
W.O.C. for 10.25 hrs (plug bump to test casing)

**Int. Cement** Date cmt'd: 29-Oct-03  
Lead : 368 sx Standard Cement  
+ 3% Econolite + 10 lb/sx PhenoSeal  
2.88 cuft/sx, 1060 cuft slurry at 11.5 ppg  
Tail: 215 sx 50/50 POZ:Standard Cement  
+ 2% Bentonite  
+ 6 lb/sx PhenoSeal  
1.33 cuft/sx, 286 cuft slurry at 13.5 ppg  
Displacement: 147 bbls Fresh Wtr  
Bumped Plug at: 07:10 hrs  
Final Circ Pressure: 1200 psi  
Returns during job: Yes  
CMT Returns to surface: 100 bbls  
Floats Held: Yes ☒ No  
W.O.C. for 9.75 hrs (plug bump to test casing)

**Prod. Cmt** Date cmt'd: 31-Oct-03  
300 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, 435 cuft slurry at 13.1 ppg  
Displacement: 92 bbls 2% KCL water  
Bumped Plug at: 12:58 hrs  
Final Circ Pressure: 800 psi  
Returns during job: SEE COMMENTS  
CMT Returns to surface: none  
Floats Held: ☒ 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 @ 218', 194', 150', & 107' Total: 4  
Intermediate: Centralizers @ 3670', 3646', 3564', 3482', 3399', 3317', and 200' Total: 7  
Turbolizers @ 2576', 2535', 2494', 2452', & 2411' Total: 5  
Production: No centralizers run on production casing Total: none