Form 3160-4
(August 1999)

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. NMSF078426

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: CONOCOPHILLIPS COMPANY
Contact: CHRIS GUSTARTIS
E-Mail: christina.gustartis@conocophillips.com

8. Lease Name and Well No.: SAN JUAN 29-6 UNIT 108

3. Address: 5525 HWY
FARMINGTON, NM 87401

3a. Phone No. (include area code)
Ph: 832.486.2463

9. API Well No.: 30-039-27531-00-C1

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 31 T29N R6W Mer NMP
At surface: SENE 2265FNL 385FEL 36.68323 N Lat, 107.49606 W Lon
At top prod interval reported below
At total depth

10. Field and Pool, or Exploratory: BLANCO MV / BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey or Area: Sec 31 T29N R6W Mer NMP

12. County or Parish: RIO ARRIBA
13. State: NM

14. Date Spudded: 04/07/2004
15. Date T.D. Reached: 04/17/2004
16. Date Completed: ☐ D & A ☒ Ready to Prod. 05/19/2004
17. Elevations (DF, KB, RT, GL)*: 6437 GL

18. Total Depth: MD 7780 TVD
19. Plug Back T.D.: MD 7774 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? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.0	0	234		150		0	
8.750	7.000 J-55	20.0	0	3577		570		0	
6.250	4.500 N-80	12.0	0	7776		470		2440	

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	7548							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DAKOTA	7546	7698	7546 TO 7698	0.340	76	OPEN
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
7546 TO 7698	FRAC'D W/SLICKWATER; 40,000# 20/40 SUPER LC SAND & 4070 BBLS. FLUID.

JUN 2004
RECEIVED
OIL CONS. DIV.
DIST. 3

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
05/19/2004	05/19/2004	24	→	0.0	1359.0	3.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
1/2	230 SI	600.0	→	0	1359	3		GSI

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

MAY 2 2004
FARMINGTON FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #31213 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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.)*
VENTED

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	1171		NACIMIENTO	1406
NACIMIENTO	1171	2426		OJO ALAMO	2701
OJO ALAMO	2426	2595		KIRTLAND	2873
				FRUITLAND	3345
				PICTURED CLIFFS	3586
				CHACRA	4574
				CLIFF HOUSE	5362
				MENEFEE	5452
				POINT LOOKOUT	5761
				GALLUP	7065
				GREENHORN	7753
				DAKOTA	7862

32. Additional remarks (include plugging procedure):
This well is a downhole commingled well producing from the Blanco Mesaverde and Basin Dakota. Attached are the daily summary and 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 #31213 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE GARCIA on 05/27/2004 (04AXG2521SE)

Name *(please print)* CHRIS GUSTARTIS Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 05/27/2004

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 fradulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

CONOCOPHILLIPS CO

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 108
Common Well Name: SAN JUAN 29-6 UNIT 108 Spud Date: 4/7/2004
Event Name: COMPLETION Start: 4/21/2004 End: 5/19/2004
Contractor Name: KEY ENERGY SERV Rig Release: Group:
Rig Name: KEY ENERGY Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
4/21/2004	08:00 - 08:30	0.50	EVALFM	SFTY	COMPZN	Held safety meeting.
	08:30 - 15:00	6.50	EVALFM	ELOG	COMPZN	RU Schlumberger. Pressured up on 4 1/2" csg to 1500 #. Ran CBL log from 7732' to 2150'. Top of cement @ 2440'. Ran TDT log from 7732' to 2000'. Ran GR/CCL log from 7732' to surface. SWI. RD Schlumberger.
5/2/2004	07:00 - 07:30	0.50	EVALWB	SFTY	COMPZN	Held safety meeting.
	07:30 - 10:00	2.50	EVALWB	PRTS	COMPZN	RU Isolation tool. Pressure tested 4 1/2" csg to 6700 # for 30 min. Held ok. RD Isolation.
5/5/2004	13:00 - 13:30	0.50	PERFOP	SFTY	COMPZN	Held safety meeting.
	13:30 - 16:00	2.50	PERFOP	PERF	COMPZN	RU Blue Jet. Perforated the Dakota. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 7546' - 7558' w/ 2 spf, 7573' - 7580' w/ 2 spf, 7656' - 7668' w/ 2 spf, 7691' - 7698' w/ 2 spf. A total of 76 holes w/ 0.34 dia. RD Blue Jet.
5/6/2004	11:00 - 11:30	0.50	STIMOP	SFTY	COMPZN	Held safety meeting.
	11:30 - 19:00	7.50	STIMOP	STIM	COMPZN	RU Isolation tool. RU Schlumberger. Frac'd the Dakota. Tested lines to 7125 #. Set pop off @ 6054 #. Broke down formation @ 4 BPM @ 2254 #. Pumped pre pad @ 45 BPM @ 3609 #. SDRT 35 BPM @ 2833 #. SDRT 25 BPM @ 2328 #. SDRT 15 BPM @ 1891#. ISIP 1509 #. 5 min 1196 #. 10 min 1021 #. 15 min 878 #. 20 min 795 #. 25 min 724 #. 30 min 667 #. Frac'd the Dakota w/ Slickwater @ 1.25 g/mg FR. 40,000 # 20/40 Supper LC sand. 4070 bbls fluid. Avg rate 57 BPM. Avg psi 3853. Max psi 4051. Max sand cons .40 # per gal. ISIP 2030 #. Frac gradient .63. SWI.
5/7/2004	09:00 - 09:30	0.50	STIMOP	SFTY	COMPZN	Held safety meeting.
	09:30 - 12:00	2.50	PERFOP	PERF	COMPZN	RU Blue Jet. RIH w/ 4 1/2" composite plug. Set plug @ 5600'. Tested plug to 4800 #. Held ok. Perforated the Mesaverde. RIH w/ 3 1/8" 90 degree select fire perforating gun. Perforated from 5044' - 5048' w/ 1/2 spf, 5062' - 5074' w/ 1/2 spf, 5100' - 5108' w/ 1/2 spf, 5126' - 5134' w/ 1/2 spf, 5443' - 5447' w/ 1/2 spf, 5470' - 5500' w/ 1/2 spf. A total of 39 holes w/ 0.34 dia. RD Blue Jet.
	12:00 - 16:00	4.00	STIMOP	STIM	COMPZN	Frac the Mesaverde. Tested lines to 5190 #. Set pop off @ 4360 #. Brok down formation @ 3 BPM @ 1463 #. Pumped pre pad @ 35 BPM @ 730 #. SDRT 30 BPM @ 409 #. SDRT 25 BPM @ 142 #. SDRT 20 BPM @ 0 ISIP 0 #. Pumped 1000 gals of 15% HCL acid @ 5 BPM @ 35 #. Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with propnet for proppant flowback control. 1823 bbls fluid. 2,301,100 SCF N2. Avg rate 50 BPM. Avg psi 2444. Max psi 2630. Max sand cons 1.5 # per gal. ISIP 1678 #. Frac gradient .44. SWI. RD Schlumberger.
5/12/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:30	1.00	MOVE	MOB	COMPZN	LOAD EQUIPMENT.
	08:30 - 09:00	0.50	MOVE	MOB	COMPZN	ROAD UNIT AND EQUIPMENT TO LOC.
	09:00 - 09:30	0.50	WELLPR	SFTY	COMPZN	PJSM. DISCUSSED SPOTTING AND UNLOADING EQUIPMENT. CHECKED LOCATION FOR HAZARDS AND LEL'S.
	09:30 - 11:00	1.50	RPEQPT	RURD	COMPZN	SPOT UNIT AND EQUIPMENT.
	11:00 - 14:00	3.00	RPEQPT	RURD	COMPZN	RU UNIT ON JACKS. COULD NOT LOCATE 1 ANCHOR. CALLED FOR METAL DETECTOR. RU EQUIPMENT. (AIR, PUMP , PIT.).
	14:00 - 14:15	0.25	RPEQPT	OTHR	COMPZN	FOUND ANCHOR. TOO WINDY TO RU UNIT. CHECKED TO SEE IF 1 CALL NEEDED TO UNCOVER BLOW PIT. DECIDED TO CHANGE JOB SCOPE AND RU 2 7/8" FLOW LINES INSTEAD OF BLEWIE LINE.
	14:15 - 14:30	0.25	RPCOMP	OTHR	COMPZN	SECURE WELL SDFN.
5/13/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. SICP= 520#

CONOCOPHILLIPS CO

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 108
Common Well Name: SAN JUAN 29-6 UNIT 108 Spud Date: 4/7/2004
Event Name: COMPLETION Start: 4/21/2004 End: 5/19/2004
Contractor Name: KEY ENERGY SERV Rig Release: Group:
Rig Name: KEY ENERGY Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/13/2004	07:30 - 09:00	1.50	RPEQPT	RURD	COMPZN	RU UNIT AND REMAINDER OF EQUIPMENT.
	09:00 - 11:00	2.00	RPEQPT	PRTS	COMPZN	KILL WELL W/ 30 BBL KCL. SET HANGER W/ 2 WAY CHECK. ND FRAC VALVE, NU BOPE. RD BLEWIE TEE. RU UPPER SPOOL. RU 2" LINES TO GROUND.
	11:00 - 13:00	2.00	RPEQPT	WOCT	COMPZN	WAIT FOR L&R ROUST ABOUT CREW TO UNLOAD PIPE BASKET AND RUN 2 7/8" LINES. SEVICE RIG WHILE WAITING.
	13:00 - 13:15	0.25			COMPZN	PJSM W/ ROUST ABOUT CREW.
	13:15 - 15:00	1.75	RPEQPT	RURD	COMPZN	UNLOAD PIPE BASKET W/ BLEWIE LINE. RU FLOW LINES.PLACE CONCRETE BLOCKS.
	15:00 - 17:30	2.50	RPCOMP	PULD	COMPZN	KILL WELL POOH W/ HANGER. MU AND TIH TALLYING AND PU FROM FLOAT W/ 3 7/8" MILL, BIT SUB, STRING FLOAT AND 176 JTS 2 3/8" TBG. TAG FILL @ 5528'.
	17:30 - 18:00	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 12 JTS. SECURE WELL SDFN.
5/14/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:00	0.50	RPCOMP	TRIP	COMPZN	SICP=520#. BWD. TIH W/ 10 JTS 2 3/8"
	08:00 - 09:00	1.00	RPCOMP	CIRC	COMPZN	UNLOAD WELL W/ AIR. RETURNED LIGHT MIST AND NO SAND. POOH W/ 4 JTS TO 5402'.
	09:00 - 13:00	4.00	FLOWT		COMPZN	FLOW TEST MV FORMATION. MV PERFS- 5044'- 5500' 2 3/8" set @ 5402' KB FLOW UP CSG W/ 1/2" CHOKE @ SURFACE. (FLOW UP CSG DUE TO BOTTOM HOLE FLOAT IN TBG.) FCP= 400# SITP= N/A MV PRODUCTION = 2640 MCFPD 1/2 BOPD 7 BWPD NO SAND. TEST WINESSED BY HUMBERTO FRIAS. W/ KEY ENRGY SERVICES.
	13:00 - 16:00	3.00	RPCOMP	TRIP	COMPZN	TIH W/ 4 JTS 2 3/8" TBG. TAG FILL @ 5528'. RU SWIVEL. BREAK CIRCULATION W/ AIR / MIST. UNLOAD WELL AND C/O FILL FROM 5528' TO CBP @ 5600'. CIRCULATE CLEAN. DRILL OUT PLUG. PRESSURE UP TO 850# FROM 550# CIRCULATING.
	16:00 - 17:00	1.00	RPCOMP	TRIP	COMPZN	CIRCULATE TILL PSI DOWN TO 700#. TIH W/ 1 JT TO BE SURE PLUG GONE. POOH W/ 16 JTS 2 3/8" TBG. SECURE WELL SDFWE.
5/17/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:15	0.75	RPCOMP	TRIP	COMPZN	SICP= 640#. BWD. TIH W/ 18 JTS 2 3/8" TBG. FROM DERRICK.
	08:15 - 09:15	1.00	RPCOMP	PULD	COMPZN	CONTINUE TO TIH W/ 67 JTS TALLYING AND PU FROM FLOAT. TAG FILL @ 7682'.
	09:15 - 10:00	0.75	RPEQPT	PULD	COMPZN	RU SWIVEL.
	10:00 - 14:00	4.00	RPCOMP	FCO	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE. C/O FILL FROM. 7682' TO PBTD OF 7774' W/ 4 JTS. WELL RETURNING LIGHT TO MED FLUID. W/ LIGHT SAND AFTER INITIAL SAND LOAD OUT OF CSG.
	14:00 - 16:30	2.50	RPCOMP	CIRC	COMPZN	CIRCULATE CLEAN. REMAINDER OF DAY W/ TBG. SET @ 7772'.
	16:30 - 17:00	0.50	RPEQPT	TRIP	COMPZN	POOH W/ 12 JTS. SECURE WELL SDFN.
5/18/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:00	0.50	RPCOMP	TRIP	COMPZN	SICP= 640#. BWD. TIH W/ 12 JTS 2 3/8" TBG. TAG NO FILL.
	08:00 - 10:00	2.00	RPCOMP	TRIP	COMPZN	TOOH W/ 248 JTS 2 3/8" TBG. LD BIT SUB AND MILL.
	10:00 - 13:30	3.50	RPCOMP	TRIP	COMPZN	MU AND TIH W/ MS EXP CK, 1.81" FN AND 248 JTS 23/8" TBG. TAG

CONOCOPHILLIPS CO

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 108
Common Well Name: SAN JUAN 29-6 UNIT 108
Spud Date: 4/7/2004
Event Name: COMPLETION
Start: 4/21/2004
End: 5/19/2004
Contractor Name: KEY ENERGY SERV
Rig Release:
Group:
Rig Name: KEY ENERGY
Rig Number: 47

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
5/18/2004	10:00 - 13:30	3.50	RPCOMP	TRIP	COMPZN	NO FILL.
	13:30 - 14:30	1.00	RPCOMP	CIRC	COMPZN	PUMP 4 BBL KCL. DROP BALL, ADD STRING FLOAT. PRESSURE UP W/ AIR TO 1000#. HELD PRESSURE FOR 10 MIN. HELD GOOD. WITNESSED BY H. FRIAS W/ KEY ENERGY SERVICES. PRESSURE UP TO 1480# AND PUMP OUT CK.
	14:30 - 16:00	1.50	RPCOMP	CIRC	COMPZN	CIRCULATE WELL CLEAN. WELL MAKING VERY LIGHT MIST AND NO SAND.
	16:00 - 16:30	0.50	RPCOMP	TRIP	COMPZN	POOH W/ 12 JTS SECURE WELL AND SDFN.
5/19/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREW. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:00	0.50	RPCOMP	OWFF	COMPZN	SICP=640#. BWD. TIH W/ 11 JTS AND TAG NO FILL.
	08:00 - 09:00	1.00	RPCOMP	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD WELL.
	09:00 - 09:45	0.75	RPCOMP	TRIP	COMPZN	POOH W/ 11 JTS TO 7438' KB. RU H&H SLICK LINE UNIT.
	09:45 - 15:00	5.25	EVALFM	PLT	COMPZN	RIH W/ GUAGE RING AND FOUND EOT @ 7443' SLM. POOH. PU PROTECHNICS PROD LOGGING TOOL.RIH W/ TBG AND CSG. SI. (600#). RIH TO 7500'. RECORD BHP. RIH TO 7700'. OPEN WELL FLOWING UP TBG. W/ 1/2" CHOKE @ SURFACE. LET PSI STABILIZE @ FTP=230# , SICP= 600# FOR 2.5 HRS. LOG DK INTERVAL. SWI. LET PSI EQUILIZE. POOH AND CHECK DATA. DATA WAS THERE. RD PROTECHNICS AND H&H. ((((DK PRODUCTION = 1359 MCFPD, 3 BWPD, 0 BOPD. AS PER PROTECHNICS PROCESSED PRODUCTION LOG DATED 5/19/2004))))
	15:00 - 16:30	1.50	RPCOMP	NUND	COMPZN	TIH W/ 3 JTS DRIFTING. AND LAND EOT @ 7548' KB. W/ 240 JTS 2 3/8" TBG. TOP OF FN @ 7546'. RD FLOOR. ND BOPE, NU MASTER VALVE.
	16:30 - 17:30	1.00	RPEQPT	RURD	COMPZN	RD UNIT AND EQUIPMENT. PREP FOR RIG MOVE TO SJ 30-5# 82.
	17:30 - 17:45	0.25	WELLPR	OTHR	COMPZN	SECURE WELL SDFN. FINAL REPORT. TURN OVER TO OPERATOR AND EPNG FOR PRODUCTION.

END OF WELL SCHEMATIC

ConocoPhillips

Well Name: SAN JUAN 29-6 # 108
API #: 30-039-27531

Spud: 7-Apr-2004
Release: 17-Apr-2004

RKB TO GROUND LEVEL: 13 FT
ALL DEPTHS ARE FROM RKB

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

Surface Casing Date set: 7-Apr-04 [X] New [ ] Used
Size 9 5/8 in
Set at 234 ft # Jnts: 5
Wt. 32.3 ppf Grade H-40
Hole Size 12 1/4 in Conn STC
Wash Out 150 % Csg Shoe 234 ft
Est. T.O.C. 0 ft TD of surface 244 ft

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

Surface Cmt Date cmt'd: 7-Apr-04
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: 16.5 bbls Fresh Wtr
Bump Plug: Did not bump plug
Final Circ Pressure : 65 psi @ 2 bpm
Returns during job: Yes
CMT Returns to surface: 8 bbls
Floats Held: No floats run
W.O.C. for 9.75 hrs (plug bump to test casing)

Intermediate Casing Date set: 11-Apr-04 [X] New [ ] Used
Size 7 in
Set at 3577 ft # Jnts: 83
Wt. 20 ppf Grade J-55
Hole Size 8 3/4 in Conn STC
Wash Out 150 % Csg Shoe 3577 ft
Est. T.O.C. SURFACE TD of intermediate 3580 ft

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

Int. Cement Date cmt'd: 11-Apr-04
Lead : 360 sx Standard Cement
+ 3% Econolite + 10 lb/sx PhenoSeal
2.88 cuft/sx, 1037.6 cuft slurry at 11.5 ppg
Tail: 210 sx 50/50 POZ:Standard Cement
+ 2% Bentonite + 6 lb/sx PhenoSeal
1.33 cuft/sx, 279.3 cuft slurry at 13.5 ppg
Displacement: 132 bbls Fresh Wtr
Bumped Plug at: 12:30 hrs w/ 2000 psi
Final Circ Pressure: 1200 psi @ 2 bpm
Returns during job: NO
CMT Returns to surface: _____
Floats Held: X Yes ___ No
W.O.C. for 11.25 hrs (plug bump to test casing)

Remedial Cement Date cmt'd: 12-Apr-2004
Lead : 345 sx Standard Cement
+ 3% Econolite, 959 cuft slurry at 11.5 ppg
Tail: 110 sx 50/50 POZ:Standard Cement
+ 3% CaCl2, 130.0 cuft slurry at 15.6 ppg
Displacement: 20 bbls mud
Final Circ Pressure: 825 psi @ 2.5 bpm
Returns during job: YES
CMT Returns to surface: 45 bbls
Floats Held: ___ Yes ___ No
W.O.C. for 13 hrs (release retainer to test perfs)

Production Casing Date set: 16-Apr-04 [X] New [ ] Used
Size 4 1/2 in
Wt. 11.6 ppf Grade: N-80 from 13 to 7,776 ft
Hole Size 6 1/4 in Conn LTC
Wash Out: 50 % # Jnts: 180
Est. T.O.C. _____
Marker Jt: 4847'
Marker Jt: 7402'
Marker Jt: 7432'

Top of Float Collar 7774 ft
Csg Shoe 7776 ft
TD 7,780 ft

Prod. Cmt Date cmt'd: 16-Apr-04
470 sx 50/50 POZ:Standard Cement
+ 3% Bentonite + 0.2 % CFR-3
+ 0.1% HR-5 + 0.8% Halad-9
+ 3.5 lb/sx PhenoSeal
1.45 cuft/ sx, 681.5 cuft slurry at 13.1 ppg
Displacement: 118 bbls 2% KCL water
Bumped Plug at: 1750 @ 16:55 hrs
Final Circ Pressure: 1200 psi @ 2 bpm
Returns during job: No (None Planned)
CMT Returns to surface: _____
Floats Held: Yes
Mud Wt. @ TD AIR ppg

COMMENTS:

Surface: No float equipment run. Ran guide shoe and aluminum baffle plate 1 jt above guide shoe. Plug was still in cmtg head after rig down, no reason for not launching.

Intermediate: Circ. on bottom for 9+ hrs; waiting on cmt crews due to weather. Lost circ. As lead cmt rounded shoe(145 bbls) @ 5.5 bpm; Slowed to 2 bpm and hole packed off after 160 bbls of lead cmt. Cont. pumping @ 5 bpm, no returns to surface, dropped plug & left 3 bbls of cmt on top of plug. Temp. survey TOC @ 3130'. Shot 4ea .375" perfs @ 2950' and circ. Set cmt rtr @ 2896' & sqz 455 sx w/ returns of 45 bbls to surface.

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

CENTRALIZERS:

Surface: Centralizers @ 224', 146', 102', & 58' Total: 4

Intermediate: Centralizers @ 3565', 3489', 3402', 3316', 3220', 3143', 211', 81' & 38'. Total: 9
Turbolizers @ 2543', 2499', 2456', 2413' & 2370' Total: 5

Production: No centralizers run on production casing Total: none