

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM012698

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: CBM			6. If Indian, Allottee or Tribe Name		
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. NMNM78416E		
2. Name of Operator CONOCOPHILLIPS COMPANY			Contact: JUANITA FARRELL E-Mail: juanita.farrell@conocophillips.com		
3. Address P O BOX 2197 WL 6106 HOUSTON, TX 77252			3a. Phone No. (include area code) Ph: 505.599.3419		
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface Sec 11 T29N R6W Mer NMP SWSE 1180FSL 1415FEL At top prod interval reported below At total depth			9. API Well No. 30-039-29279-00-S1		
14. Date Spudded 11/02/2004			15. Date T.D. Reached 12/04/2004		
16. Date Completed ☐ D & A 12/09/2004 ☒ Ready to Prod.			10. Field and Pool, or Exploratory BASIN FRUITLAND COAL		
18. Total Depth: MD 3727 TVD 3727			19. Plug Back T.D.: MD 3726 TVD 3726		
20. Depth Bridge Plug Set: MD TVD			11. Sec., T., R., M., or Block and Survey or Area Sec 11 T29N R6W Mer NMP		
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUDLOG			12. County or Parish RIO ARRIBA		
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☐ No ☒ Yes (Submit analysis)			13. State NM		
23. Casing and Liner Record (Report all strings set in well)			17. Elevations (DF, KB, RT, GL)* 6760 GL		

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 H-40	32.3	0	226		150		0	10
8.750	7.000 J-55	20.0	0	3441		550		0	74
6.250	5.500 J-55	15.5	3371	3727		0			

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	3716							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3466	3644	3466 TO 3644	0.750	336	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

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
12/09/2004	12/07/2004	1	→	0.0	1626.0	0.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2" PITOT	SI	6.8	→	0	39024	0		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	
	SI		→						

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

ELECTRONIC SUBMISSION #52151 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOC

ACCEPTED FOR RECORD

JAN 03 2005

FARMINGTON FIELD OFFICE

BY

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	1515		NACIMIENTO	1592
NACIMIENTO	1515	2789		OJO ALAMO	2827
OJO ALAMO	2789	2968		KIRTLAND	2977
				FRUITLAND	3253

32. Additional remarks (include plugging procedure):

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

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 #52151 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE BRUMLEY on 01/03/2005 (05AXB0588SE)**

Name (please print) JUANITA FARRELLTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 12/21/2004

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 ** REVISED ****

CONOCOPHILLIPS CO
Operations Summary Report

Page 1 of 3

Legal Well Name: SAN JUAN 29-6 UNIT 220A
Common Well Name: SAN JUAN 29-6 UNIT 220A
Event Name: COMPLETION
Contractor Name:
Rig Name:

Start: 12/1/2004
Rig Release:
Rig Number:
Spud Date: 11/2/2004
End: 12/8/2004
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/2/2004	07:00 - 07:30	0.50	MOVE	SFTY	MIRU	SAFETY MEETING, RIG CREW & TRUCKING.
	07:30 - 12:00	4.50	MOVE	MOB	MIRU	LOAD EQUIPMENT, MOVE TO NEW LOCATION, SPOT IN EQUIPMENT.
12/3/2004	12:00 - 18:00	6.00	MOVE	RURD	MIRU	RIG UP RIG, START RIGGING UP EQUIPMENT.
	07:00 - 07:30	0.50	SURFEQ	SFTY	COMPZN	SAFETY MEETING.
	07:30 - 14:00	6.50	SURFEQ	RURD	COMPZN	RIG UP EQUIPMENT, NIPPLE UP BOPS & BLOOIE LINES, TEST CASING 300 PSI FOR 10 MIN, 1800 PSI FOR 30 MIN, HELD, TEST PIPE & BLIND RAMS, 300 PSI FOR 10 MIN & 1800 PSI FOR 30 MIN, HELD.
	14:00 - 19:00	5.00	RPEQPT	PULD	COMPZN	PICK UP & RUN IN HOLE WITH 6-1/4" BIT,DCS & DP TO 3400', RIG UP SWIVEL & EQUIPMENT, DRAIN PUMP & EQUIPMENT, SHUT DOWN.
12/4/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	SAFETY MEETING.
	07:30 - 09:00	1.50	DRILL	DRLG	COMPZN	RIG UP MUD LOGGERS
	09:00 - 16:00	7.00	DRILL	DRLG	COMPZN	DRILL OUT CMT, FLOAT COLLAR & SHOE, DRILL OUT OPEN HOLE FROM 3448' TO 3725', DRILL OUT WITH 1500 CFM AIR/MIST, 6 BPH WATER, 1 GAL FOAMER, 1/4 GAL INHIBITOR PER 10 BBLS, CIRCULATING PRESSURE 400 PSI. COAL INTERVALS AS FOLLOWS, 3466'-3469', 3471'-3473', 3475'-3480', 3502'-3506', 3510'-3511', 3529'-3530', 3532'-3533', 3534'-3544', 3549'-3553', 3555'-3558', 3559'-3560', 3562'-3565', 3599'-3606', 3607'-3608', 3635'-3637', 3640'-3644', TOTAL OF 52' OF COAL.
	16:00 - 17:30	1.50	DRILL	CIRC	COMPZN	CIRCULATE HOLE CLEAN
	17:30 - 19:00	1.50	DRILL	CIRC	COMPZN	CUT OFF WATER, DRY UP HOLE, PULL BIT INTO 7" FOR FLOW TEST.
	19:00 - 20:00	1.00	FLOWT	PRDT	COMPZN	FLOW TEST, 15/MIN-24 PSI-6 PETO=1520 MCF, 30/MIN-24 PSI-6 PETO=1520 MCF,45/MIN-24 PSI-6 PETO=1520 MCF, 60/MIN-24 PSI-6 PETO=1520 MCF,
	20:00 - 21:30	1.50	EVALFM	SIPB	COMPZN	SHUT IN FOR BUILD UP, ISIP=54 PSI, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=112 PSI, 60/MIN=112 PSI, RELEASE PRESSURE AS NATURAL SURGE.
	21:30 - 00:30	3.00	RPEQPT	PULD	COMPZN	RIG DOWN SWIVEL, DRAIN PUMP & LINES
	00:30 - 04:00	3.50	RPEQPT	PULD	COMPZN	POOH, STANDING BACK DP & DCS.
	04:00 - 06:00	2.00	RPEQPT	PULD	COMPZN	CHANGE OVER TO RUN UNDER REAMER.
12/5/2004	06:00 - 07:00	1.00	RPEQPT	PULD	COMPZN	CHANGING OVER TO PICK UP UNDER REAMER
	07:00 - 07:30	0.50	RPEQPT	SFTY	COMPZN	CREW CHANGE, SAFETY MEETING.
	07:30 - 09:30	2.00	RPEQPT	PULD	COMPZN	MAKE UP UNDER REAMER, RUN IN HOLE TO 3445', RIG UP SWIVEL.
	09:30 - 17:00	7.50	DRILL	DRLG	COMPZN	UNDER REAM OPEN HOLE FROM 3445' TO 3725' WITH 1500 CFM AIR/MIST, 8 BPH WATER, 1 GAL FOAMER & 1/4 GAL INHIBITOR PER 10 BBLS, CIRCULATING PRESSURE 700 PSI.
	17:00 - 19:00	2.00	DRILL	CIRC	COMPZN	CIRCULATE HOLE CLEAN
	19:00 - 20:30	1.50	DRILL	CIRC	COMPZN	CUT OFF WATER, DRY UP HOLE, PULL INTO 7" FOR FLOW TEST.
	20:30 - 21:30	1.00	FLOWT	PRDT	COMPZN	FLOW TEST, 15/MIN-26 PSI-6.5 PETO=1584 MCF, 30/MIN-26 PSI-6.5 PETO=1584 MCF, 45/MIN-26 PSI-6.5 PETO=1584 MCF, 60/MIN-26 PSI-6.5 PETO=1584 MCF,
	21:30 - 00:30	3.00	RPEQPT	TRIP	COMPZN	POOH LAY DOWN UNDER REAMER.
	00:30 - 04:00	3.50	RPEQPT	TRIP	COMPZN	TIH WITH 6 3/4 BIT TO 3725', NO FILL.
	04:00 - 05:30	1.50	RPEQPT	CIRC	COMPZN	BLOW WELL AROUND WITH AIR/MIST, UNLOAD APPROX 2 BBL OF WATER.
12/6/2004	05:30 - 06:00	0.50	RPEQPT	PULD	COMPZN	PULL BIT INTO 7" FOR BUILD UP TEST.
	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	SHUT IN FOR BUILD UP, ISIP=52 PSI, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=112 PSI, 60/MIN=112 PSI.

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 220A

Common Well Name: SAN JUAN 29-6 UNIT 220A

Event Name: COMPLETION

Contractor Name:

Rig Name:

Start: 12/1/2004

Rig Release:

Rig Number:

Spud Date: 11/2/2004

End: 12/8/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/6/2004	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE, SAFETY MEETING, RELEASE PRESSURE AS NATURAL SURGE.
	07:30 - 09:00	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR BUILD UP, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=112 PSI, 60/MIN=112 PSI, RELEASE AS NATURAL SURGE.
	09:00 - 10:30	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR BUILD UP, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=110 PSI, 60/MIN=112 PSI, RELEASE AS NATURAL SURGR.
	10:30 - 12:00	1.50	STIMOP	STIM	COMPZN	SHUT IN FOR BUILD UP, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=110 PSI, 60/MIN=112 PSI, RELEASE AS NATURAL SURGE.
	12:00 - 13:00	1.00	STIMOP	STIM	COMPZN	SHUT IN FOR BUILD UP, 15/MIN=100 PSI, 30/MIN=110 PSI, 45/MIN=110 PSI, 60/MIN=112 PSI, RELEASE AS NATURAL SURGE.
	13:00 - 15:00	2.00	RPEQPT	PULD	COMPZN	TIH FROM 7", TAG 9" DEEPER AT 3734', POOH CHECK DRILL STRING, OK.
	15:00 - 18:00	3.00	RPEQPT	PULD	COMPZN	TALLY BACK IN HOLE, TAG AT 3732', 2' FILL.
	18:00 - 20:00	2.00	RPEQPT	CIRC	COMPZN	BLOW WELL AROUND WITH AIR/MIST, UNLOAD APPROX 1-1/2 BBLs OF WATER. CREW CHANGE, SAFTY MEETING.
	20:00 - 20:30	0.50	RPEQPT	SFTY	COMPZN	PULL BIT INTO 7" FOR FLOW TEST.
	20:30 - 21:30	1.00	FLOWT	OWFF	COMPZN	FLOW TEST, 15/MIN-26 PSI-6.5 PETO=1584 MCF, 30/MIN-26 PSI-6.5 PETO=1584 MCF, 45/MIN-26 PSI-6.5 PETO=1584 MCF, 60/MIN-26 PSI-6.5 PETO=1584 MCF.
	21:30 - 23:00	1.50	EVALFM	SIPB	COMPZN	SHUT IN FOR BUILD UP, ISIP=50 PSI, 15/MIN=104 PSI, 30/MIN=106 PSI, 45/MIN=110 PSI, 60/MIN=110 PSI.
	23:00 - 01:00	2.00	RPEQPT	PULD	COMPZN	RIG DOWN SWIVEL, CHANGE OVER TO POOH, DRAIN PUMP & LINES.
	01:00 - 04:00	3.00	RPEQPT	PULD	COMPZN	POOH STANDING BACK DP & DCS.
	04:00 - 06:00	2.00	RPEQPT	PULD	COMPZN	CHANGING OVER TO RUN LINNER.
12/7/2004	06:00 - 07:00	1.00	RPEQPT	PULD	COMPZN	MAKE UP LINNER HANGER ON JT OF DP, LAY DOWN ON CAT WALK.
	07:00 - 07:30	0.50	RPEQPT	SFTY	COMPZN	CREW CHANGE, SAFETY MEETING
	07:30 - 09:00	1.50	RPEQPT	PULD	COMPZN	PICK UP & RUN LINER IN HOLE AS FOLLOWS. TIW BLADED SHOE FOR 5 1/2", 8 JTS OF 5 1/2" 15.50 J-55 LTC CASING & DROP OFF TOOL.
	09:00 - 11:30	2.50	RPEQPT	PULD	COMPZN	CHANGE OVER FOR DP, TIH TO TD 3727', UNLATCH FROM LINER, LEFT LINER ON BOTTOM AT 3727" WITH 69' OVER LAP, LINER TOP AT 3371', POOH LAYING DOWN DP.
	11:30 - 14:00	2.50	RPEQPT	PULD	COMPZN	RIG UP BLUE JET.
	14:00 - 14:30	0.50	PERFOP	PERF	COMPZN	PERFERATE WELL, PERFERATIONS AS FOLLOWS, 3634'-3644', 3548'-3560', 3594'-3608', 3562'-3566', 3528'-3544', 3510'-3514', 3498'-3508', 3474'-3482', 3466'-3472', TOTAL OF 336 SHOTS AT 4 SHOTS PER FT.
	14:30 - 17:00	2.50	PERFOP	PERF	COMPZN	RIG DOWN BLUE JET, CONDUCT FLOW TEST, 15/MIN-26 PSI-PETO 6.5=1584 MCF, 30/MIN-26 PSI-PETO 6.5=1584 MCF, 45/MIN-27 PSI-PETO 6.75=1626 MCF, 60/MIN-27 PSI-PETO 6.75=1626 MCF, SHUT IN FOR BUILD UP, ISIP=48 PSI, 15/MIN=102 PSI, 30/MIN=104 PSI, 45/MIN=104 PSI, 60/MIN=106 PSI, SHUT IN SECURE WELL.
	17:00 - 18:00	1.00	FLOWT	PRDT	COMPZN	SAFETY MEETING, CHECK WELL PRESSURE, 110 PSI, BLEED OFF PRESSURE
	18:00 - 19:00	1.00	EVALFM	SIPB	COMPZN	PICK UP & RUN IN HOLE WITH 2-1/16 NOTCH COLLAR, SEAT NIPPLE, CHANGE OVERS, 2-3/8" MUD ANCHOR, 2-3/8"X1.78 F-NIPPLE & 117 JTS OF 2-3/8" TBG, LAND TBG AT 3716' (EOT), WITH F-NIPPLE AT 3685'.
	19:00 - 20:00	1.00	EVALFM	SIPB	COMPZN	NIPPLE DOWN BOPS, NIPPLE UP WELL HEAD
12/8/2004	07:00 - 07:30	0.50	RPCOMPS	SFTY	COMPZN	RIG UP B&R SLICK LINE, RETRIVE PLUG IN F-NIPPLE, RIG DOWN B&R.
	07:30 - 10:30	3.00	RPCOMPP	PULD	COMPZN	
	10:30 - 12:00	1.50	TREBOP	SEQP	COMPZN	
	12:00 - 14:00	2.00	RPEQPT	SLKL	COMPZN	

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 220A
 Common Well Name: SAN JUAN 29-6 UNIT 220A
 Event Name: COMPLETION
 Contractor Name:
 Rig Name:

Start: 12/1/2004
 Rig Release:
 Rig Number:
 Spud Date: 11/2/2004
 End: 12/8/2004
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
12/8/2004	14:00 - 14:30 14:30 - 17:00	0.50 2.50	RPEQPT RPEQPT	PULD PULD	COMPZN COMPZN	CHANGE OVER TO RUN RODS. PICK UP PUMP, TEST IN BKT OF WATER, PUMPING, RUN IN HOLE WITH 2'X1-1/4X12'X12'3"X12'6" RHAC INSERT PUMP, 3 1-1/4"X 25' SINKER BARS, 143 3/4"X25' RODS, 1 3/4"X8', 1 3/4"X6', 1 4/4"X4' ROD SUBS & 1 1-3/4"X 22' POLISHED ROD, SEAT PUMP. LOAD HOLE, PRESSURE TEST PUMP & TBG TO 500 PSI, HELD, BLEAD OFF PRESSURE, STROKE PUMP WITH RIG PUMPED UP TO 500 PSI, HELD, BLEAD OFF PRESSURE, SHUT IN SECURE WELL.
12/9/2004	07:00 - 07:30 07:30 - 15:00	0.50 7.50	MOVE MOVE	SFTY RURD	DEMOB DEMOB	SAFTY MEETING. RIG DOWN EQUIPMENT, RIG DOWN RIG, PREPARE FOR RIG MOVE.

Well Name: San Juan 29-6 # 220A
 API #: 30-039-29279
 Location: 1180' FSL & 1415' FEL
 Sec. 11 - T29N - R6W
 Rio Arriba County, NM
 Elevation: 6760' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl Rig RKB = 13' above GL

Note - this well is equipped with rods & pump
 7-1/16" 3M x 2-3/8" EUE 8rd Bonnet
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

Spud: 2-Nov-04
 Release Drl Rig: 7-Nov-04
 Move In Cav Rig: 1-Dec-04
 Date TD Reached: 3-Dec-04
 Release Cav Rig: 8-Dec-04

Surface Casing Date set: 3-Nov-04
 Size 9 5/8 in
 Set at 226 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 226 ft
 TD of 12-1/4" hole 235 ft

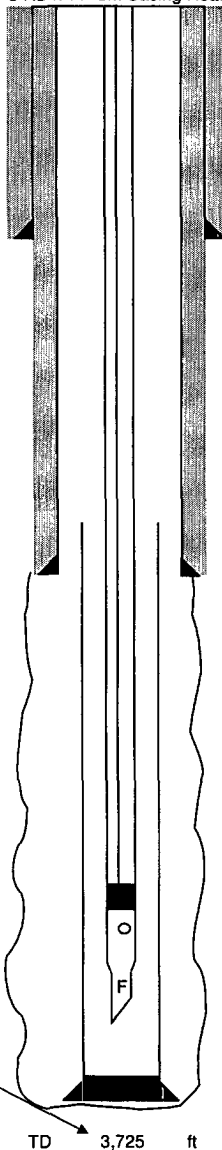
Notified BLM @ 11:45 hrs on 01-Nov-04
 Notified NMOCD @ 11:45 hrs on 01-Nov-04

Intermediate Casing Date set: 6-Nov-04
 Size 7 in 80 jts
 Set at 3441 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 3396 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3441 ft
 Pup @ ft TD of 8-3/4" Hole 3441 ft
 Pup @ ft
 Notified BLM @ hrs on
 Notified NMOCD @ hrs on

Production Liner Date set: 06-Dec-04
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 8
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3445' to 3725'
 Top of Liner 3371 ft
 PBD 3726 ft
 Bottom of Liner 3727 ft

This well was NOT cavitated.

Our measurements on this well have 9' uncertainty / error. We:
 - Drilled to 3725' on 3-Dec-04,
 - UR to 3725' on 4-Dec-04,
 - RIH & Tag at 3734' on 5-Dec-04
 - Tripped, remeasured the drillstring, tallied in the hole and tagged at 3732' on 5-Dec-04.
 - Tagged and set the liner on bottom at 3727' on 6-Dec-04.



Surface Cement

Date cmt'd: 3-Nov-04
 Lead : 150 sx Class G Cement
 + 2% BWOC S001 CaCl2
 + 0.25 lb/sx D130 Cellophane Flakes
 1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 14.4 bbls fresh wtr
 Bumped Plug at: 07:11 hrs w/ 425 psi
 Final Circ Press: 141 psi @ 5.6 bpm
 Returns during job: YES
 CMT Returns to surface: 10 bbls (56.1 cuft)
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 8.50 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 7-Nov-04
 Lead : 450 sx Class G Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
 2.61cuft/sx, 1174.5 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Class G cement
 + 2% D020 Bentonite
 + 2% S001 Calcium Chloride
 + 5 lb/sx D024 Gilsontite
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
 1.27 cuft/sx, 127.0 cuft slurry at 13.5 ppg
 Displacement: 137.0 bbls
 Bumped Plug at: 02:30 hrs w/ 1241 psi
 Final Circ Press: 744 psi
 Returns during job: Yes
 CMT Returns to surface: 74 bbls (415.5 cuft)
 Floats Held: X Yes No

UNCEMENTED LINER

Schematic prepared by:
 Steven O. Moore, Drilling Engineer
 14-Dec-2004

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 @ 183'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 216', 141', 99', 57'. Total: 4
7" Intermediate	DISPLACED W/ 137 BBLs. FRESH WATER. CENTRALIZERS @ 3431', 3353', 3269', 3182', 3096', 3010', 213', 84', 41'. TURBOLIZERS @ 2967', 2923', 2880', 2837', 2794'. Total: 9 Total: 5
5.5" Liner	06-Dec-04: Ran bladed shoe w/ float valve on btm of liner. Ran liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	06-Dec-04: Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perfs: 3466'-3472', 3474'-3482', 3498'-3508', 3510'-3514', 3528'-3544', 3562'-3566', 3594'-3608', 3548'-3560', 3634'-3644'. TOTAL SHOTS = 336.
Tubing	7-Dec-04: Ran 2-1/16" notched collar, 2-1/16" OD x 1.50" ID Seating Nipple, 2-1/16" x 2-3/8" crossover, 2-3/8" OD mud anchor joint with 1/2" hole drilled just below the upset, 2-3/8" OD (1.78" ID) F-Nipple, 117 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. EOT / 2-1/16" OD x 1.5" ID Seating Nipple at 3716'. 2-3/8" OD x 1.78" ID F-Nipple at 3685'.
Pump & Rods	7-Dec-04: Ran 12" long strainer attached below insert pump with 3 ea 25' x 1-1/4" OD sinker bars on top of pump 143 ea 3/4" OD rods, space out with 8' - 6' - 4' x 3/4" OD rod subs, & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3685' MD RKB