

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF080004
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: CHERRY HLAVA E-Mail: HlavaCL@bp.com		7. If Unit or CA/Agreement, Name and/or No.
3a. Address 200 ENERGY CT FARMINGTON, NM 87402	3b. Phone No. (include area code) Ph: 281.366.4081	8. Well Name and No. FLORANCE R 8C
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T30N R9W NESW Lot K 2065FSL 1670FWL 36.48600 N Lat, 107.45200 W Lon		9. API Well No. 30-045-32399-00-X1
		10. Field and Pool, or Exploratory BLANCO MESAVERDE
		11. County or Parish, and State SAN JUAN COUNTY, NM

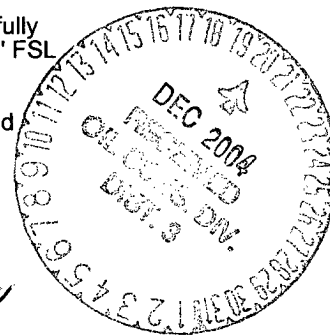
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The original APD was submitted on 05/26/2004 and approved 09/01/2004. BP America respectfully requests to change the bottom hole location from: Lot K 2065' FSL & 1670' FWL To: Lot L 1900' FSL & 990' FWL. And also to change from a slim hole to conventional well.

Please see attached revised drilling plan (form 46), cement requirements, directional surveys and revised C-102.

**HOLD C104 FOR** *Directional Survey*

14. I hereby certify that the foregoing is true and correct. Electronic Submission #51349 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by ADRIENNE BRUMLEY on 12/07/2004 (05AXB0456SE)	
Name (Printed/Typed) CHERRY HLAVA	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/30/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title <i>Detr. Engr</i>	Date <i>12/10/04</i>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******NMOCD**

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32399		² Pool Code 71599:72319		³ Pool Name Basin Dakota		⁴ Well Name Blanco Mesaverde	
⁵ Property Code 000548		⁶ Property Name Florance R				⁷ Well Number # 8C	
⁸ OGRID No. 000778		⁹ Operator Name BP AMERICA PRODUCTION COMPANY				¹⁰ Elevation 6086	

¹⁰ Surface Location

UL or Lot No. K	Section 14	Township 30 N	Range 9 W	Lot Idn	Feet from the 2065	North/South line SOUTH	Feet from the 1670	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. L	Section 14	Township 30N	Range 9W	Lot Idn	Feet from the 1900'	North/South line South	Feet from the 990'	East/West line West	County San Juan
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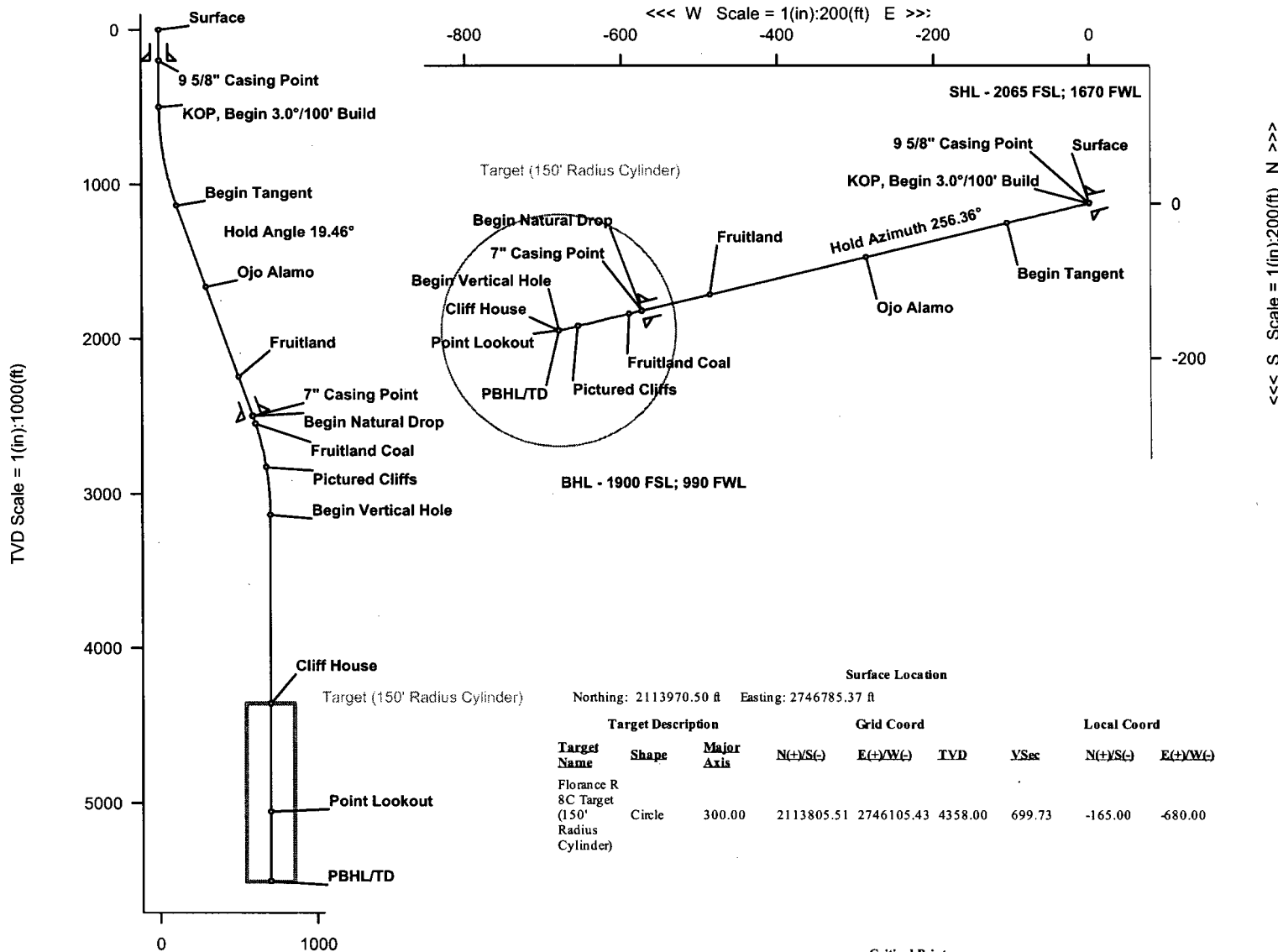
¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

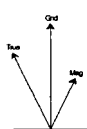
16 3238(R) Bottom Hole Location 1900' S, 990' E/West 1670' Axis with 256.36° 2065' 3268(R)	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Cherry Hlava</i> Signature Cherry Hlava Printed Name Regulatory Analyst Title 11-29-04 Date
	18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. April 27, 2004 Date of Survey GARY D. VANN Signature and Seal of Professional Surveyor 7016 Certificate Number



WELL Florance R 8C			FIELD San Juan County, New Mexico			STRUCTURE BP 14-30N-09W		
Magnetic Parameters Model: BGGM 2003	Dip: 63.716° Mag Dec: +10.707°	Date: November 22, 2004 FS: 51450.7 ±T	Surface Location LAT: N36 48 34.018 Lon: W107 45 8.618	Northings: 2113970.50 RUS Easting: 2746785.37 RUS	NAD83 New Mexico State Plane, Western Zone, US Feet Grid Conv: +0.04849510° Scale Fact: 0.999917309	Miscellaneous SIC: Florance R 8C Plan: RD Jew 22-Nov-04	TVD Ref: RKB (5682.00 ft above MSL) Srvy Date: November 22, 2004	



Vertical Section (ft) Azim = 256.36°, Scale = 1(in):1000(ft) Origin = 0 N-S, 0 E



Proposal

Quality Control
Date Drawn: Mon 04:17 PM
November 22, 2004
Drawn by: Jim Wimberg
Checked by: Aaron
Client OK:

Grid North
Tot Corr (M->G
+10.6585°)
Mag Dec (+10.707°)
Grid Conv
(+0.04849510°)

Surface Location								
Nothing: 2113970.50 ft			Easting: 2746785.37 ft					
Target Description			Grid Coord				Local Coord	
Target Name	Shape	Major Axis	N(+)/S(-)	E(+)/W(-)	TVD	YSec	N(+)/S(-)	E(+)/W(-)
Florance R 8C Target (150' Radius Cylinder)	Circle	300.00	2113805.51	2746105.43	4358.00	699.73	-165.00	-680.00

Critical Points								
Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
Surface	0.00	0.00	256.36	0.00	0.00	0.00	0.00	0.00
9 5/8" Casing Point	200.00	0.00	256.36	200.00	0.00	0.00	0.00	0.00
KOP, Begin 3.0°/100' Build	500.00	0.00	256.36	500.00	0.00	0.00	0.00	0.00
Begin Tangent	1148.82	19.46	256.36	1136.41	109.15	-25.74	-106.08	3.00
Ojo Alamo	1706.27	19.46	256.36	1662.00	294.91	-69.54	-286.59	0.00
Fruitland	2324.61	19.46	256.36	2245.00	500.95	-118.13	-486.83	0.00
7" Casing Point	2592.94	19.46	256.36	2498.00	590.37	-139.21	-573.72	0.00
Begin Natural Drop	2593.57	19.46	256.36	2498.59	590.58	-139.26	-573.92	0.00
Fruitland Coal	2645.73	17.90	256.36	2548.00	607.29	-143.20	-590.16	3.00
Pictured Cliffs	2934.05	9.25	256.36	2828.00	674.90	-159.14	-655.86	3.00
Begin Vertical Hole	3242.39	0.00	256.36	3135.00	699.73	-165.00	-680.00	3.00
Cliff House	4465.39	0.00	256.36	4358.00	699.73	-165.00	-680.00	0.00
Point Lookout	5162.39	0.00	256.36	5055.00	699.73	-165.00	-680.00	0.00
PBHL/TD	5612.39	0.00	256.36	5505.00	699.73	-165.00	-680.00	0.00



Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
Surface	0.00	0.00	256.36	0.00	0.00	0.00	0.00	0.00	2113970.50	2746785.37	N 36 48 34.018	W 107 45 8.619
9 5/8" Casing Point	200.00	0.00	256.36	200.00	0.00	0.00	0.00	0.00	2113970.50	2746785.37	N 36 48 34.018	W 107 45 8.619
KOP, Begin 3.0°/100' Build	500.00	0.00	256.36	500.00	0.00	0.00	0.00	0.00	2113970.50	2746785.37	N 36 48 34.018	W 107 45 8.619
Begin Tangent	1148.82	19.46	256.36	1136.41	109.15	-25.74	-106.08	3.00	2113944.76	2746679.30	N 36 48 33.764	W 107 45 9.924
Ojo Alamo	1706.27	19.46	256.36	1662.00	294.91	-69.54	-286.59	0.00	2113900.97	2746498.80	N 36 48 33.333	W 107 45 12.144
Fruitland	2324.61	19.46	256.36	2245.00	500.95	-118.13	-486.83	0.00	2113852.38	2746298.58	N 36 48 32.854	W 107 45 14.607
7" Casing Point	2592.94	19.46	256.36	2498.00	590.37	-139.21	-573.72	0.00	2113831.30	2746211.70	N 36 48 32.646	W 107 45 15.676
Begin Natural Drop	2593.57	19.46	256.36	2498.59	590.58	-139.26	-573.92	0.00	2113831.25	2746211.49	N 36 48 32.646	W 107 45 15.678
Fruitland Coal	2645.73	17.90	256.36	2548.00	607.29	-143.20	-590.16	3.00	2113827.31	2746195.26	N 36 48 32.607	W 107 45 15.878
Pictured Cliffs	2934.05	9.25	256.36	2828.00	674.90	-159.14	-655.86	3.00	2113811.37	2746129.56	N 36 48 32.450	W 107 45 16.686
Begin Vertical Hole	3242.39	0.00	256.36	3135.00	699.73	-165.00	-680.00	3.00	2113805.51	2746105.43	N 36 48 32.392	W 107 45 16.983
Cliff House	4465.39	0.00	256.36	4358.00	699.73	-165.00	-680.00	0.00	2113805.51	2746105.43	N 36 48 32.392	W 107 45 16.983
Point Lookout	5162.39	0.00	256.36	5055.00	699.73	-165.00	-680.00	0.00	2113805.51	2746105.43	N 36 48 32.392	W 107 45 16.983
PBHL/TD	5612.39	0.00	256.36	5505.00	699.73	-165.00	-680.00	0.00	2113805.51	2746105.43	N 36 48 32.392	W 107 45 16.983

5612.39	1/100.00 ft	SLR MWD-STD
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Cementing Program

Revision			
Well Name:	Florance R #8C		
Location:	14-30N-9W : 2065' FSL, 1670' FWL		
County:	San Juan		
State:	New Mexico		
	Well Flac	MesaVerde	
	Formation:	6082	
	KB Elev (est)	6068	
	GL Elev. (est)		

Casing Program:						
Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread TOC (ft.)	Stage Tool Or TOL (ft.)	
Surface	200	13.5	9.625	ST&C Surface	NA	
Intermediate	2596	8.75	7	LT&C Surface	NA	
Production	5612	6.25	4.5	2496	2561	

Casing Properties:							
Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity Drift (bbl/ft.) (in.)
Surface		9.625	32 H-40	2270	1400	254	0.0787 8.845
Intermediate		7	20 K-55	3740	2270	234	0.0405 6.456
Production		4.5	10.5 J-55	4790	4010	132	0.0159 3.927

Mud Program			
Apex Interval (ft.)	Mud Type	Mud Weight	<u>Recommended Mud Properties Prior Cementing:</u>
			PV <20
			YP <10
			Fluid L <15
0 - SCP	Water/Spud	8.6-9.2	
SCP - ICP	Water/LSND	8.6-9.2	
ICP - ICP2	Gas/Air Mist	NA	
ICP2 - TD	LSND	8.6 - 9.2	

Cementing Program:			
	Surface	Intermediate	Production
Excess %, Lead	100	100	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	72	110	159
Time Between Stages, (hr)	NA	NA	NA
Special Instructions	1,6	1,6	2,6
1. Do not wash pumps and lines. 2. Wash pumps and lines. 3. Reverse out 4. Run Blend Test on Cement 5. Record Rate, Pressure, and Density on 3.5" disk 6. Confirm densitometer with pressurized mud scales			

Surface:				
Preflush	20 bbl.	FreshWater		
Slurry 1	154	sx Class C Cement		
TOC@Surface		+ 2% CaCl2 (accelerator)		
				195 cuft
				0.4887 cuft/ft OH
				100 % excess
Slurry Properties:				
	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)	
Slurry 1	15.2	1.27	5.8	
Casing Equipment:				
9-5/8", 8R, ST&C 1 Guide Shoe 1 Top Wooden Plug 1 Autofill insert float valve Centralizers, as needed 1 Stop Ring 1 Thread Lock Compound				

Intermediate:				
Fresh Water	20 bbl	fresh water		
Lead		232	sx Class "G" Cement	
Slurry 1			+ 3% D79 extender	
TOC@Surface			+1/4 #/sk. Cellophane Flake	
			+ 0.1% D46 antifoam	
Tail		59	sx 50/50 Class "G"/Poz	
Slurry 2			+ 2% gel (extender)	
			0.1% D46 antifoam	
500 ft fill			+1/4 #/sk. Cellophane Flake	
			+ 2% S1 Calcium Chloride	
				75 cuft
				0.1503 cuft/ft OH
				0.1746 cuft/ft csg ann
				80 % excess
Slurry Properties:				
	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)	
Slurry 1	11.7	2.61	17.77	
Slurry 2	13.5	1.27	5.72	
Casing Equipment:				
7", 8R, ST&C 1 Float Shoe 1 Float Collar 1 Stop Ring Centralizers, as needed 1 Top Rubber Plug 1 Thread Lock Compound				

Production:			
Fresh Water	10 bbl	CW100	
Slurry		182	LiteCrete D961 / D124 / D154
			+ 0.03 gps D47 antifoam
			458 cuft

Cementing Program

TOC@Liner Top

+ 0.5% D112 fluid loss
+ 0.11% D65 TIC

Slurry Properties:

Slurry

Density
(lb/gal)
9.5

Yield
(ft³/sk)
2.52

Water
(gal/sk)
6.38

0.1026 cuft/ft OH
40 % excess
0.1169 cuft/ft csg ann

Casing Equipment:

4-1/2", 8R, ST&C
1 Float Shoe
1 Float Collar
1 Stop Ring
Centralizers, as needed
1 Top Rubber Plug
1 Thread Lock Compound

11/24/2004

Lease:	Florance R	Well Name & No.	Florance R #8C	Field:	Blanco Mesaverde
County:	San Juan, New Mexico	Surface Location:	14-30N-9W : 2065' FSL, 1670' FWL		
Minerals:	Federal	Surface:	Lat: 36.8094494 Long:-107.7523943		
Fig :	Aztec 184	BH Location:	14-30N-9W : 1900' FSL, 990' FWL; Lat: 36.8089938 Long:-107.7550066		

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER				
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL:	6068	Estimated KB: 6,082.0'		
Rotary	0 - TD	Marker		SUBSEA	TVD	APPROX. MD
LOG PROGRAM		Ojo Alamo		4,424'	1,662'	1,706'
Type	Depth Interval	Kirtland		4,343'	1,743'	
Single Run		Fruitland	*	3,841'	2,245'	
		Fruitland Coal	*	3,538'	2,548'	2,646'
		Pictured Cliffs	*	3,258'	2,828'	2,934'
		Lewis	*	3,005'	3,081'	
Cased Hole		Cliff House	#	1,728'	4,358'	4,465'
TDT- CBL	TD to 7" shoe.	Menefee	#	1,434'	4,652'	4,759'
	Identify 4 1/2" cement top	Point Lookout	#	1,031'	5,055'	5,162'
REMARKS:		Mancos		675'	5,411'	5,518'
- Please report any flares (magnitude & duration).						
		TOTAL DEPTH:		581'	5,505'	5,612'
# Probable completion interval					# Possible Pay	

SPECIAL TESTS	DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE	FREQUENCY	DEPTH	FREQUENCY	DEPTH
	30"/10' intervals	2,596' to TD	Geologist	0 - TD
REMARKS:				

MUD PROGRAM:					
Interval	Type □ Mud	#/gal	Vis, □ sec/qt	/30 min	Other Specification
200'	Spud	8.8 - 9.0	Sufficient to clean hole.		
2,596'	Water/LSND	8.4 - 9.0		<9	Sweep hole while whilst water drilling, LCM onsite
5,612'	Air	1	1000 cfm for bit		Volume sufficient to maintain a stable and clean wellbore

CASING PROGRAM:							
Casing□String	Depth	Size	Casing Size	Grade, Thread	Weight	Landing Point	Cement
Surface/Conductor	200'	13 1/2"	9-5/8"	H-40 ST&C	32#		cmt to surface
Intermediate 1	2,596'	8-3/4"	7"	J/K-55 ST&C	20#	50' above FT coal	cmt to surface
Production	5,612'	6-1/4"	4-1/2"	J-55	11.6#	DKOT	150' inside Intermediate - TOC survey required

CORING PROGRAM:
None

COMPLETION PROGRAM:
Rigless, 2-3 Stage Limited Entry Hydraulic Frac. FMC Unihead

GENERAL REMARKS:
Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

BOP Pressure Testing Requirements			
Formation	Depth	Anticipated bottom hole pressure	Max anticipated surface pressure**
Cliffhouse	4,358'	500	0
Point Lookout	5,055'	600	0
Dakota	-	2600	-

Requested BOP Pressure Test Exception = 1500 psi	** Note: Determined using the following formula: $ABHP - (.22 * TVD) = ASP$
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Form 46 Reviewed by:		Logging program reviewed by:			
PREPARED BY:		APPROVED:		DATE:	APPROVED:
HGJ	JMP			24-Nov-04	
Form 46 7-84bw		For Drilling Dept.			For Production Dept.

