Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANGEMENT

FORM 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.

2005 JUL 11

5. Lease Serial No.
SF - 078195

6. If Indian, Allottee or tribe Name

RECEIVED 070 FARMINGTON, NM

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
☐ Oil Well ■ Gas Well ☐ Other

8. Well Name and No.
Sellers LS 6M

2. Name of Operator
BP AMERICA PRODUCTION COMPANY

9. API Well No.
30-045-32928

3a. Address
PO BOX 3092 HOUSTON, TX 77253

3b. Phone No. *(include area code)*
281-366-4081

10. Field and Pool, or Exploratory Area
BASIN DAKOTA & BLANCO MESAVERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1730' FNL & 985' FWL; SEC 30 T30N R10W SWNW Mer NMP

11. County or Parish, State
SAN JUAN, NM

JUL 2005 RECEIVED OIL CONS. DIV. DIST. 3

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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other **Change to BH Location**
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Abandon	☐ Water Disposal	
	☐ Convert to Injection	☐ Plug Back		

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 recomplete 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 03/03/2005 & approval was granted 6/3/05
BP America respectfully requests permission to change the well bore from vertical to direction.
The Bottom Hole location will change
From: 1730' FNL & 985' FWL
TO: 900' FNL & 750' FWL

The surface location remains the same.

HOLD C104 FOR Directional survey

The Intermediate and Production casing will change and therefore will change the cement program slightly. Please see the attached documentation.

14. I hereby certify that the foregoing is true an dcorrect
Name (Printed/typed)
Cherry Hlava | Title **Regulatory Analyst**

Signature Cherry Hlava | Date **06/30/2005**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Adrienne Brumley | Title Pet. Eng | Date 7/12/05

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 FFO

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 witin its jurisdiction.

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	2 Pool Code	3 Pool Name
30-045-32928	71599 & 72319	Basin Dakota & Blanco Mesaverde

4 Property Code	5 Property Name	6 Well Number
01039	Sellers LS	# 6M
7 OGRID No.	**8 Operator Name**	**9 Elevation**
000778	BP AMERICA PRODUCTION COMPANY	6113

10 Surface Location

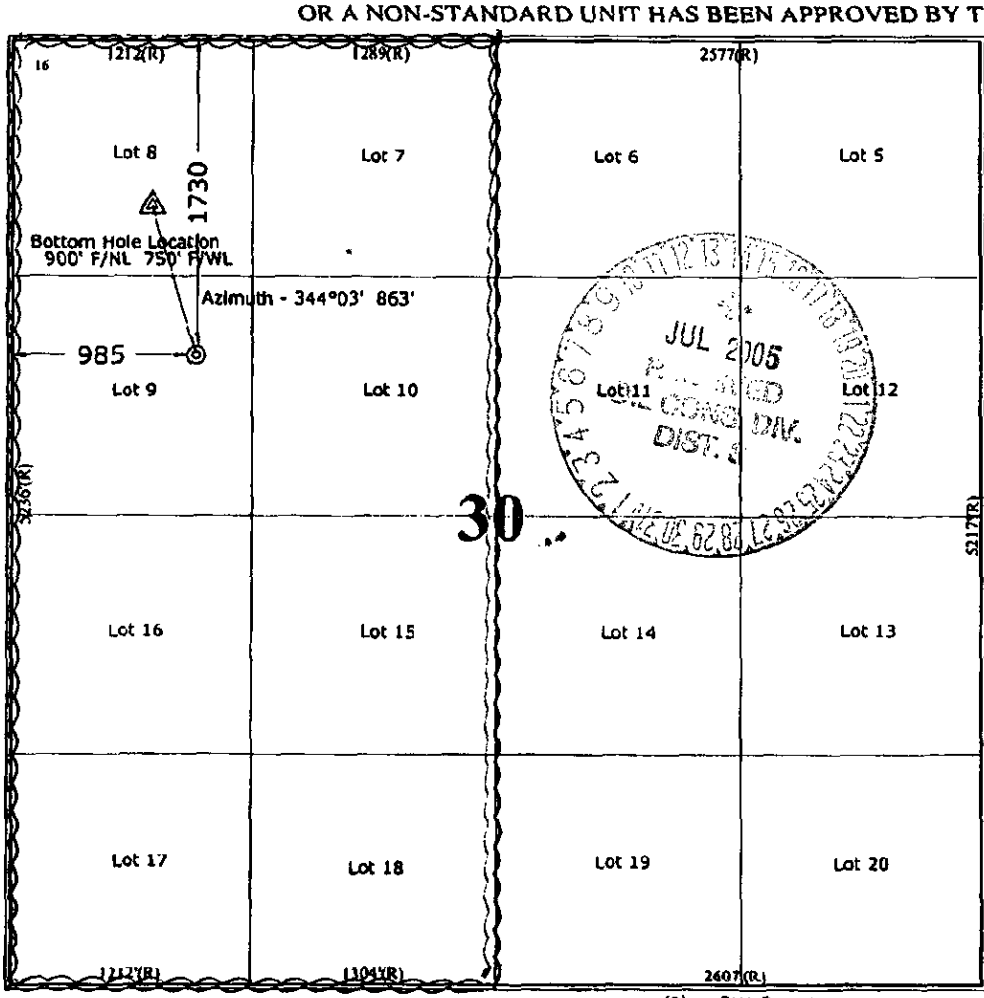
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 9 (E)	30	30 N	10 W		1730	NORTH	985	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 8 (D)	30	30 N	10 W		900	NORTH	750	WEST	SAN JUAN

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No
301.28			

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



(R) - BLM Record

JUL 2005
RECEIVED
OIL CONS. DIV.
DIST. 3

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Cherry Hlava
Signature

Cherry Hlava
Printed Name

Regulatory Analyst
Title

6-30-05
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.

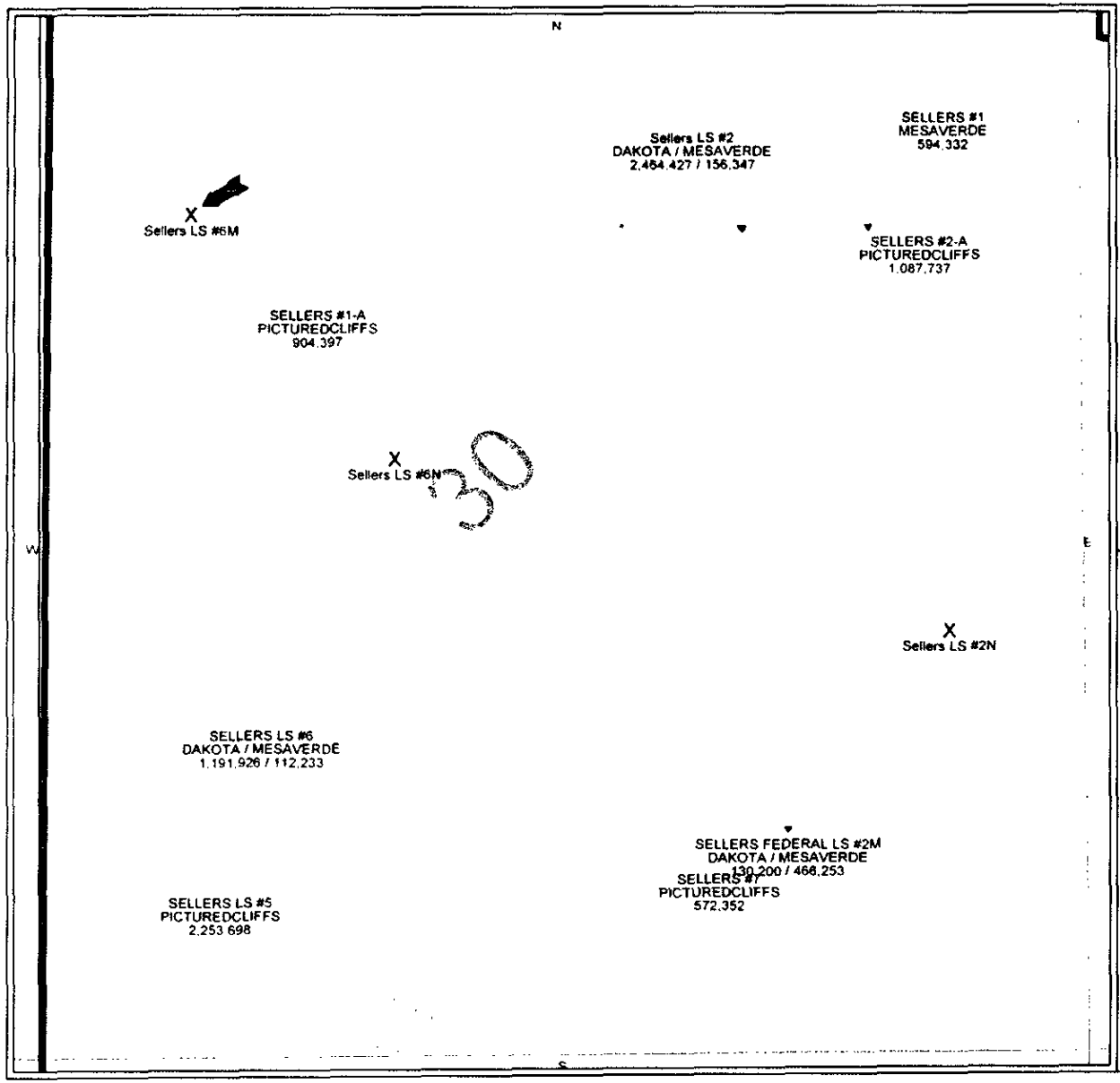
Add BHL June 30, 2005

March 6, 2004
Date of Survey

Signature and Seal of Professional Surveyor

CARL L. JOHNSON
NEW MEXICO
7016
REGISTERED PROFESSIONAL LAND SURVEYOR

7016
Certificate Number



BP America Production

Seller LS #6M

sec 30-30N-10W

location verification

POSTED WELL DATA

WELL SYMBOLS

X Fairway new well location

Gas Well

MVRD HC sample

Comingled HC sample

REMARKS

SHL = 1730 FNL, 985 FWL
BHL = 900 FNL, 750 FWL
TD 250 below TWLS top

By: Perkins

0 693

FEET

June 17, 2005

BP AMERICA PRODUCTION COMPANY

DRILLING AND COMPLETION PROGRAM

2/25/2005 (revised 6/28/05)

Lease:	Sellers LS	**Well Name & No.**	Sellers LS #6M	**Field:**	Blanco Mesaverde/Basin Dakota
County:	San Juan, New Mexico	**Surface Location:**	30-30N-10W: 1730' FNL, 985' FWL		
Minerals:	State	**Surface:**	Lat: 36.7851990 deg; Long: -107.9299762 deg		
Rig :	Aztec 184	**BH Location:**	30-30N-10W: 900' FNL, 750' FWL Lat: 36.7874508 deg; Long: -107.9307834 deg		

OBJECTIVE: Drill 250' below the top of the Two Wells Mbr, set 4-1/2" production casing, Stimulate DK, MF, and PL intervals.

METHOD OF DRILLING

TYPE OF TOOLS	DEPTH OF DRILLING
Rotary	0 - TD

LOG PROGRAM

Type	Depth Interval
Single Run	
Cased Hole	
TDT- CBL	TD to 7" shoe
	Identify 4 ½" cement top

REMARKS:

- Please report any flares (magnitude & duration).

APPROXIMATE DEPTHS OF GEOLOGICAL MARKER

Actual GL: 6113 Estimated KB: 6,127.0'

Marker		SUBSEA	TVD	APPROX. MD
Ojo Alamo		4,949'	1,178'	1,206'
Kirtland		4,779'	1,348'	1,387'
Fruitland	*	4,142'	1,985'	2,064'
Fruitland Coal	*	3,857'	2,270'	2,368'
Pictured Cliffs	*	3,566'	2,561'	2,674'
Lewis	*	3,128'	2,999'	3,127'
Cliff House	#	2,198'	3,929'	4,062'
Menefee	#	1,777'	4,350'	4,483'
Point Lookout	#	1,263'	4,864'	4,997'
Mancos		878'	5,249'	5,382'
Greenhorn		-707'	6,834'	6,967'
Graneros (bent,mkr)		-761'	6,888'	7,021'
Two Wells	#	-818'	6,945'	7,078'
Paguate	#	-890'	7,017'	7,150'
Cubero	#	-950'	7,077'	7,210'
L. Cubero	#	-976'	7,103'	7,236'
Encinal Cyn	#	-1,006'	7,133'	7,266'
TOTAL DEPTH:		-1,068'	7,195'	7,328'

Probable completion interval * Possible Pay

SPECIAL TESTS

TYPE
None

REMARKS:

DRILL CUTTING SAMPLES

FREQUENCY	DEPTH	
30'/10' intervals	3,227'	to TD

DRILLING TIME

FREQUENCY	DEPTH
Geolograph	0 - TD

MUD PROGRAM:

Interval	TypeMud	#/gal	Vis, sec/qt	/30 min	Other Specification
200'	Spud	8.8 - 9.0	Sufficient to clean hole.		
3,227'	Water/LSND	8.4 - 9.0		<9	Sweep hole while whilst water drilling, LCM onsite
7,328'	Air	1	1000 cfm for hammer		Volume sufficient to maintain a stable and clean wellbore

CASING PROGRAM:

CasingString	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	3,227'	8-3/4"	7"	J/K-55 ST&C	20#	100' below LWIS	cmt to surface
Production	7,328'	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	3,929'	500	0
Point Lookout	4,864'	600	0
Dakota	6,945'	2600	1072.1

Requested BOP Pressure Test Exception = 1500 psi ** Note: Determined using the following formula: ABHP – (.22*TVD) = ASP

Form 46 Reviewed by:	Logging program reviewed by:			
PREPARED BY:	**APPROVED:**	**DATE:**	**APPROVED:**	**DATE:**
HGJ JMP		2/25/2005 (revised 6/28/05)		
Form 46 7-84bw	For Drilling Dept.		For Production Dept.	

Cementing Program

Revision 6-29-05

Well Name:	Sellers LS #6M		
Location:	30-30N-10W: 1730' FNL, 985' FWL		
County:	San Juan	Well Flac	
State:	New Mexico	Formation:	Blanco Mesaverde/Basin Dakota
		KB Elev (est)	6127
		GL Elev. (est)	6113

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	200	13.5	9.625	ST&C	Surface	NA	
Intermediate	3227	8.75	7	~~LT~~ ST&C	Surface	NA	
Production -	7328	6.25	4.5	ST&C	3127	NA	

Casing Properties: (No Safety Factor Included)

Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
Surface	9.625	32	H-40	2270	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	254 ~~234~~	0.0405	6.456
Production -	4.5	11.6	J-55	5350	4960	154	0.0155	3.875

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight
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

Recommended Mud Properties Prio Cementing:

PV	<20
YP	<10
Fluid Los	<15

Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	75	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	75	120	183
Special Instructions	1,6,7	1,6,8	2,4,6

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
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Notes:

*Do not wash up on top of plug. Wash lines before displacing production cement job to minmize drillout.

Surface:

Preflush	20 bbl.	FreshWater	
Slurry 1	**154 sx Class C Cement**		195 cuft
TOC@Surface	+ 2% CaCl2 (accelerator)		
			0.4887 cuft/ft OH

Slurry Properties:	Density (lb/gal)	Yield (ft3/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

Cementing Program

1 Autofill insert float valve
Centralizers, as needed
1 Stop Ring
1 Thread Lock Compound

Intermediate:

Fresh Water	20 bbl	fresh water		
Lead		266 sx Class "G" Cement		700 cuft
Slurry 1		+ 3% D79 extender		
TOC@Surface		+1/4 #/sk. Cellophane Flake		
		+ 5 lb/sk Gilsonite		
Tail		59 sx 50/50 Class "G"/Poz		75 cuft
Slurry 2		+ 2% gel (extender)		
500 ft fill		+1/4 #/sk. Cellophane Flake		0.1503 cuft/ft OH
		+ 2% CaCl2 (accelerator)		0.1746 cuft/ft csg ann
		+ 5 lb/sk Gilsonite		

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	11.4	2.63	15.8
Slurry 2	13.5	1.27	5.72

Casing Equipment: 7", 8R, ST&C
1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)
1 Stop Ring
Centralizers as needed
1 Top Rubber Plug
1 Thread Lock Compound

Production:

Fresh Water	10 bbl	CW100		
Lead		**177 LiteCrete D961 / D124 / D154**		447 cuft
Slurry 1		+ 0.03 gps D47 antifoam		
TOC, 400' above 7" shoe		+ 0.5% D112 fluid loss		
		+ 0.11% D65 TIC		
Tail		**144 sx 50/50 Class "G"/Poz**		208 cuft
Slurry 2		+ 5% D20 gel (extender)		
1446 ft fill		+ 0.1% D46 antifoam		
		+ 1/4 #/sk. Cellophane Flake		
		+ 0.25% D167 Fluid Loss		
		+ 5 lb/sk Gilsonite		
		+0.1% d800, retarder		
		+0.15% D65, dispersant		
				0.1026 cuft/ft OH
				0.1169 cuft/ft csg ann

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	9.5	2.52	6.38
Slurry 2	13	1.44	6.5

Top of Mancos
5382

Casing Equipment: 4-1/2", 8R, ST&C
1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)
1 Stop Ring
Centralizers, as needed
1 Top Rubber Plug
1 Thread Lock Compound

Scientific Drilling
Directional Drilling Operations

Field: SAN JUAN, New Mexico
Site: SEC 30-T30N-R10W
Well: Sellers LS #6M
Wellpath: OH
Plan: Plan #1

bp

SECTION DETAILS

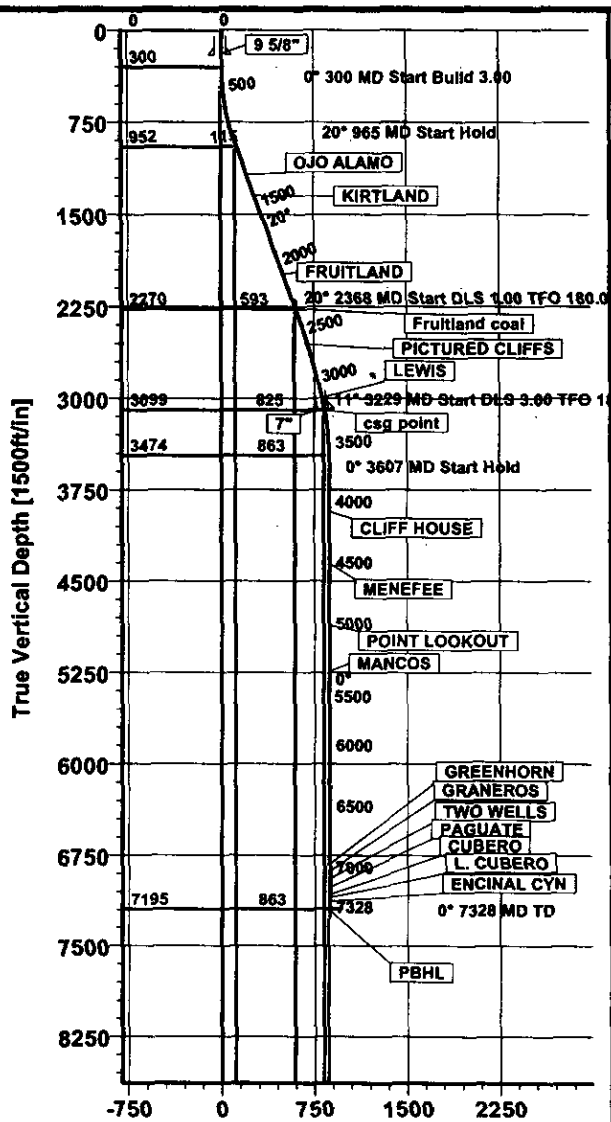
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	965.11	19.95	344.19	951.75	110.31	-31.24	3.00	344.19	114.65	
4	2367.55	19.95	344.19	2270.00	570.80	-161.63	0.00	0.00	593.24	Fruitland coal
5	3229.26	11.34	344.19	3099.00	794.17	-224.88	1.00	180.00	825.40	csg point
6	3607.13	0.00	0.00	3474.42	830.02	-235.03	3.00	180.00	862.66	
7	7327.72	0.00	0.00	7195.00	830.02	-235.03	0.00	0.00	862.66	PBHL

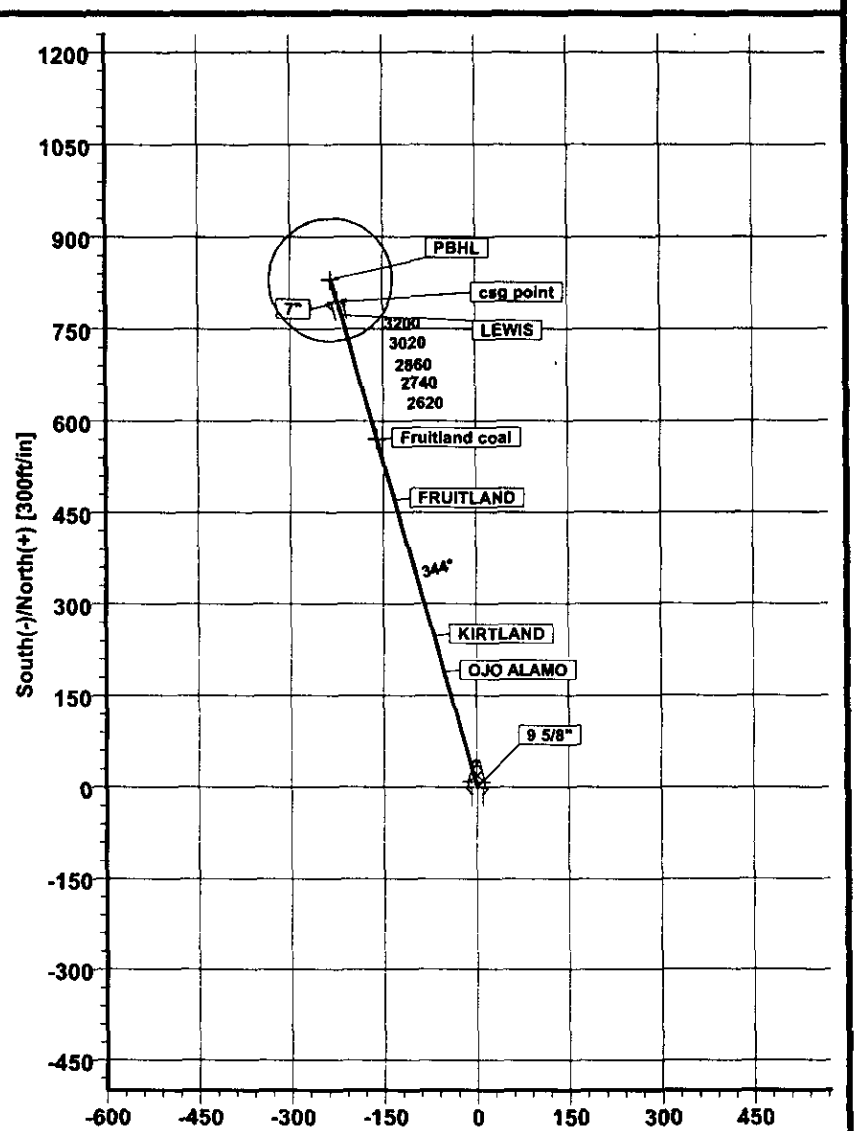
TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Fruitland coal	2270.00	570.80	-161.63	2105721.159	2694635.775	Point
csg point	3099.00	794.17	-224.88	2105944.511	2694572.530	Point
PBHL	7195.00	830.00	-235.00	2105980.338	2694562.411	Point

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Sellers LS #6M	0.00	0.00	2105150.406	2694797.392	36°47'06.716N	107°55'47.914W	N/A





Scientific Drilling
Planning Report

Company:	BP	**Date:** 6/27/2005	**Time:** 16:24:14	**Page:**	1
Field:	SAN JUAN, New Mexico	**Co-ordinate(NE) Reference:**	Well: Sellers LS #6M, Grid North		
Site:	SEC 30-T30N-R10W	**Vertical (TVD) Reference:**	SITE 6127.0		
Well:	Sellers LS #6M	**Section (VS) Reference:**	Well (0.00N,0.00E,344.19Azi)		
Wellpath:	OH	**Plan:**	Plan #1		

Field: SAN JUAN, New Mexico
SAN JUAN COUNTY, NEW MEXICO
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** New Mexico, Western Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: SEC 30-T30N-R10W

SAN JUAN NEW MEXICO

Site Position: — **Northing:** 2105150.406 ft — **Latitude:** 36 47 6.716 N
From: Geographic — **Easting:** 2694797.392 ft — **Longitude:** 107 55 47.914 W
Position Uncertainty: 0.00 ft — **North Reference:** Grid
Ground Level: 9113.00 ft — **Grid Convergence:** -0.06 deg

Well: Sellers LS #6M — **Slot Name:**

Well Position: +N/-S 0.00 ft — **Northing:** 2105150.406 ft — **Latitude:** 36 47 6.716 N
+E/-W 0.00 ft — **Easting:** 2694797.392 ft — **Longitude:** 107 55 47.914 W
Position Uncertainty: 0.00 ft

Wellpath: OH — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: SITE — **Height** 6127.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 6/27/2005 — **Declination:** 10.69 deg
Field Strength: 51391 nT — **Mag Dip Angle:** 63.61 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	344.19

Plan: Plan #1 — **Date Composed:** 6/27/2005
Version: 3
Principal: Yes — **Tied-to:** From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
965.11	19.95	344.19	951.75	110.31	-31.24	3.00	3.00	0.00	344.19	
2367.55	19.95	344.19	2270.00	570.80	-161.63	0.00	0.00	0.00	0.00	Fruitland coal
3229.26	11.34	344.19	3099.00	794.17	-224.88	1.00	-1.00	0.00	180.00	csg point
3607.13	0.00	0.00	3474.42	830.02	-235.03	3.00	-3.00	4.18	180.00	
7327.72	0.00	0.00	7195.00	830.02	-235.03	0.00	0.00	0.00	0.00	PBHL

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
400.00	3.00	344.19	399.95	2.52	-0.71	2.62	3.00	3.00	0.00	0.00
500.00	6.00	344.19	499.63	10.07	-2.85	10.46	3.00	3.00	0.00	0.00
600.00	9.00	344.19	598.77	22.62	-6.41	23.51	3.00	3.00	0.00	0.00
700.00	12.00	344.19	697.08	40.16	-11.37	41.74	3.00	3.00	0.00	0.00
800.00	15.00	344.19	794.31	62.62	-17.73	65.08	3.00	3.00	0.00	0.00
900.00	18.00	344.19	890.18	89.94	-25.47	93.48	3.00	3.00	0.00	0.00
965.11	19.95	344.19	951.75	110.31	-31.24	114.65	3.00	3.00	0.00	0.00