

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMNM04202
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. JOHNSTON COM B 2M
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 11 T28N R9W NWSW 875FNL 1130FWL 36.40400 N Lat, 107.45800 W Lon		9. API Well No. 30-045-32403-00-X1
		10. Field and Pool, or Exploratory BASIN DAKOTA 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

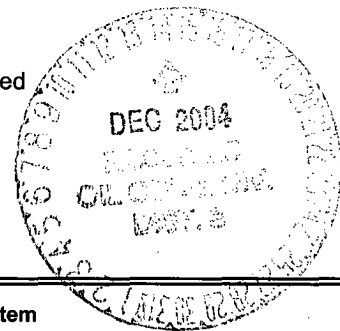
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ 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 recomple 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.)

Second Notice of Staking was submitted on 09/10/04.

The original APD was submitted on 06/01/04 and approved 10/05/04. Due to a T&E issue the surface location had to be moved and well bore changed to a directional drill with MD at approx. 6956' & TVD at approx 6745'.

Please see attached: Amended Drilling Program (form 46), C-102, plats, revised cement and proposed directional survey.



14. I hereby certify that the foregoing is true and correct. Electronic Submission #51367 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMS for processing by ADRIENNE BRUMLEY on 12/07/2004 (05AXB0457SE)	
Name (Printed/Typed) CHERRY HLAVA	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 12/01/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By	Title EP/ROW Team	Date 12/9/04
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 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 30-045-32403		² Pool Code 71599:72359		³ Pool Name Basin Dakota; Blanco Mesaverte	
⁴ Property Code 000756		⁵ Property Name Johnston Com B			⁶ Well Number # 2M
⁷ OGRID No. 000778		⁸ Operator Name BP AMERICA PRODUCTION COMPANY			⁹ Elevation 5783

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
N	11	28 N	9 W		1100	SOUTH	1790	WEST	SAN JUAN

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L (Lot 4)	11	28 N			1425	SOUTH	790	WEST	SAN JUAN

¹¹ Dedicated Acres 394.46 DA 267.72 MV	¹² Order No. T-22 R-1814
---	--

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

¹⁷ OPERATOR CERTIFICATION

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

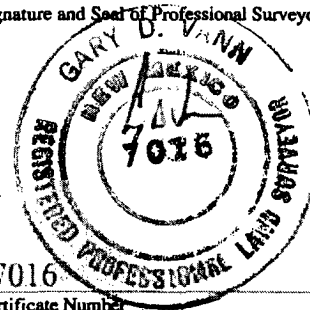
Signature *Cherry Hlava*
Printed Name *Cherry Hlava*
Title *Regulatory Analyst*
Date *11-30-04*

¹⁸ SURVEYOR CERTIFICATION

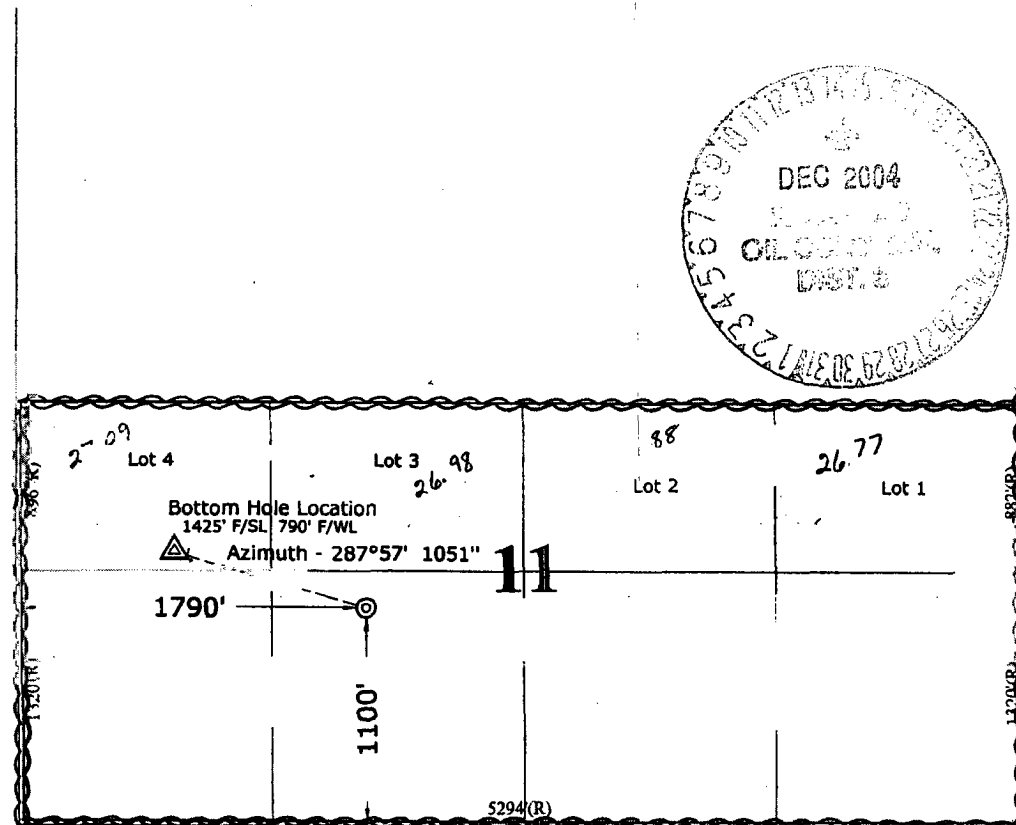
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Restated: August 19, 2004
April 22, 2004

Date of Survey
Signature and Seal of Professional Surveyor

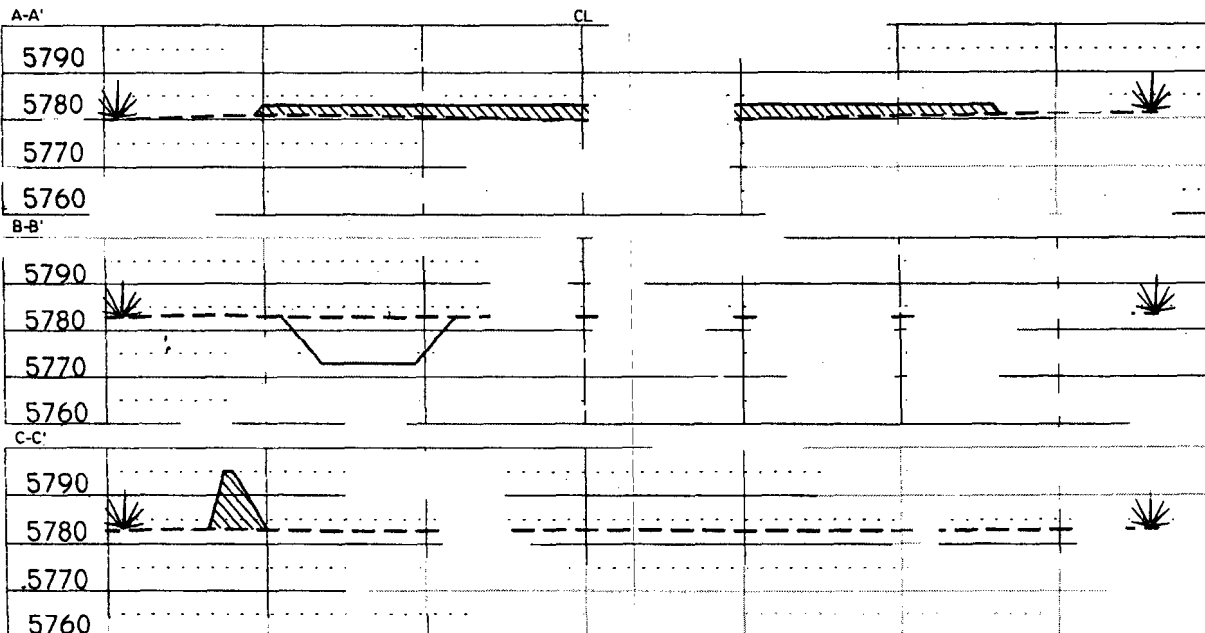
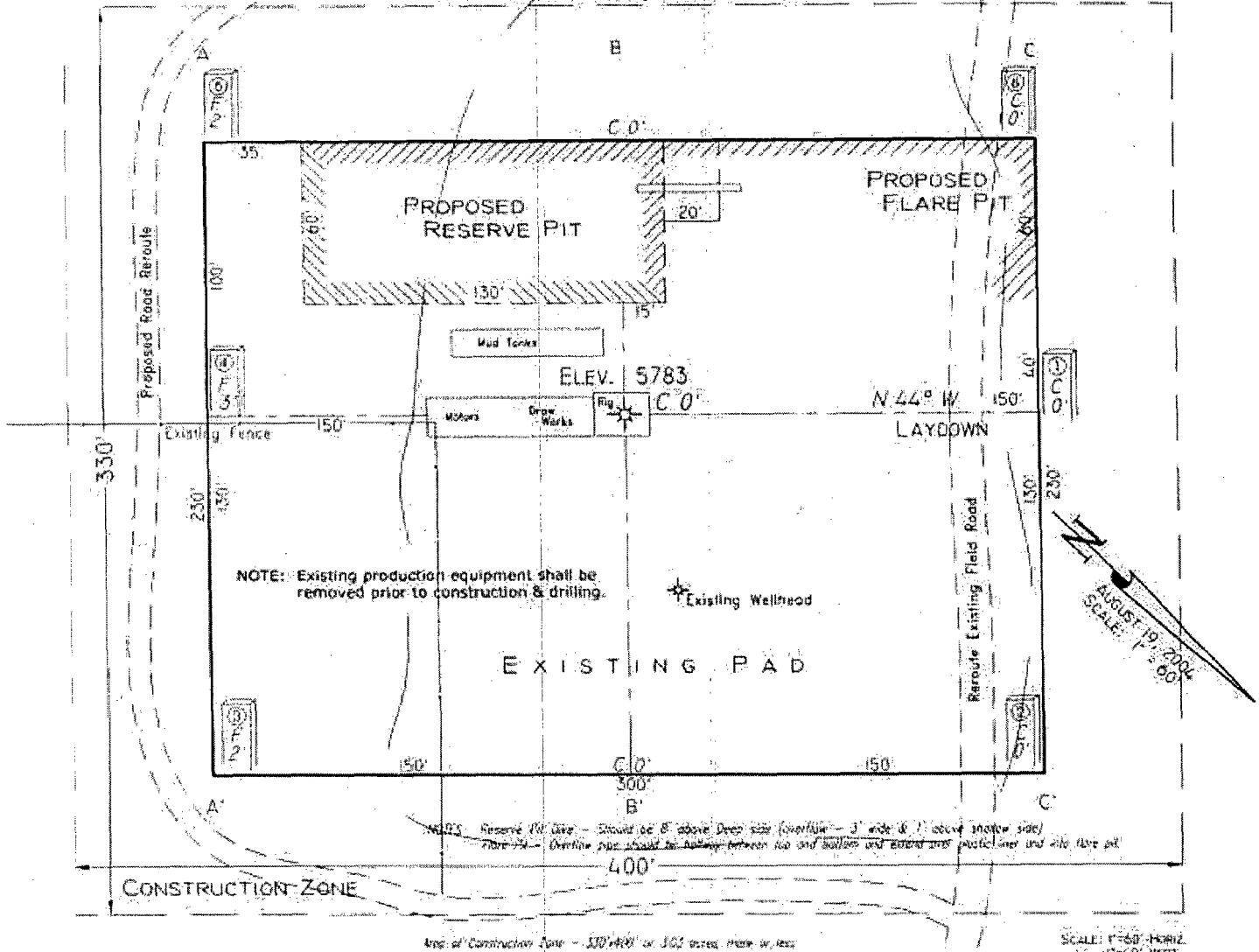


Certificate Number



PAD LAYOUT PLAN & PROFILE
BP AMERICA PRODUCTION COMPANY
 Johnston Com B #2M
 1100' F/SL 1790' F/WL
 SEC. 11, T28N, R9W, N.M.P.M.
 SAN JUAN COUNTY, NEW MEXICO

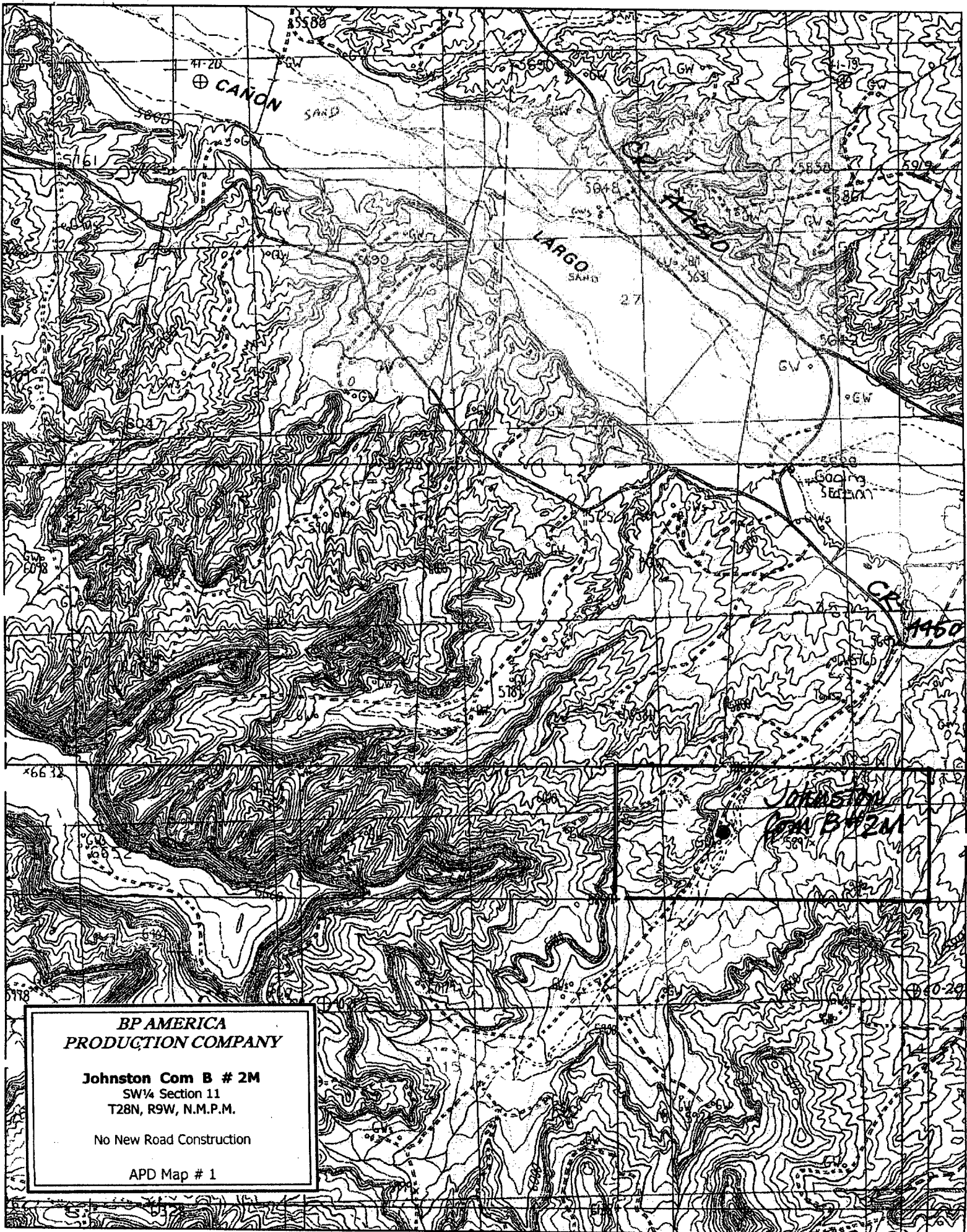
Lat: 36°40'21"
 Long: 107°45'40"



NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.

Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.

VANN SURVEYS
 P. O. Box 1306
 Farmington, NM



**BP AMERICA
PRODUCTION COMPANY**

Johnston Com B # 2M
SW¼ Section 11
T28N, R9W, N.M.P.M.

No New Road Construction

APD Map # 1

BP AMERICA PRODUCTION COMPANY

DRILLING AND COMPLETION PROGRAM

11/29/2004

Lease:	Johnston Com B	Well Name & No.	Johnston Com B #2M	Field:	Blanco Mesaverde/Basin Dakota
County:	San Juan, New Mexico	Surface Location:	11-28N-9W : 1100' FSL, 1790' FWL		
Minerals:	Federal	Surface:	Lat: 36.6729750 Long:-107.7626137		
Rig :	Aztec 184	BH Location:	11-28N-9W : 1425' FSL, 790' FWL; Lat: 36.6731593 Long:-107.7637639		

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		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL:	5783	Estimated KB: 5,797.0'	
Rotary	0 - TD	Marker		SUBSEA	TVD
LOG PROGRAM					APPROX. MD
Type	Depth Interval	Ojo Alamo		4,638'	1,282'
Single Run		Kirtland		4,539'	1,381'
		Fruitland	*	4,164'	1,756'
		Fruitland Coal	*	3,891'	2,029'
		Pictured Cliffs	*	3,691'	2,229'
		Lewis	*	3,505'	2,415'
Cased Hole	TD to 7" shoe.	Cliff House	#	2,177'	3,743'
TDT- CBL		Menefee	#	2,010'	3,910'
		Point Lookout	#	1,452'	4,468'
	Identify 4 1/2" cement top	Mancos		1,090'	4,830'
REMARKS: - Please report any flares (magnitude & duration).		Greenhorn		-475'	6,395'
		Graneros (bent,mkr)		-537'	6,457'
		Two Wells	#	-575'	6,495'
		Paguate	#	-667'	6,587'
		Cubero	#	-707'	6,627'
		L. Cubero	#	-750'	6,670'
		Encinal Cyn	#	-794'	6,714'
		TOTAL DEPTH:		-825'	6,745'
		# Probable completion interval		* Possible Pay	

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
Production test of the open hole interval		30'/10' intervals	2,686' to TD	Geolograph	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.		
2,686'	Water/LSND	8.4 - 9.0		<9	Sweep hole while whilst water drilling, LCM onsite
6,956'	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	2,686'	8-3/4"	7"	J/K-55 ST&C	20#	100' below LWIS	cmt to surface
Production	6,956'	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	3,743'	500	0	
Point Lookout	4,468'	600	0	
Dakota	6,495'	2600	1171.1	
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		29-Nov-04	
Form 46 7-84bw		For Drilling Dept.		For Production Dept.

Cementing Program

Revised

Well Name: Johnston Corn B #2M
Location: 11-28N-9W : 1100' FSL, 1790' FWL
County: San Juan
State: New Mexico

Well Flac
Formation: Mesa Verde
KB Elev (est) 5797
GL Elev. (est) 5783

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Siz. Thread (in.)	TOC (ft.)	Stage Tool Or TOL (ft.)
Surface	200	13.5	9.625 ST&C	Surface	NA
Intermediate	2686	8.75	7 LT&C	Surface	NA
Production -	6956	6.25	4.5	2586	2561

Casing Properties:

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	234	0.0405	6.456
Production -	4.5	10.5	J-55	4790	4010	132	0.0159	3.927

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	Recommended Mud Properties Prio Cementing:
			PV <20
			YP <10
			Fluid Los: <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.	Fresh Water	
Slurry 1	154 sx Class C Cement		195 cuft
TOC@Surface	+ 2% CaCl2 (accelerator)		0.4887 cuft/ft OH
			100 % excess
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 1 Autofill insert float valve Centralizers, as needed 1 Stop Ring 1 Thread Lock Compound		

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead	242 sx Class "G" Cement		632 cuft
Slurry 1	+ 3% D79 extender		
TOC@Surface	+ 1/4 #/sk. Cellophane Flake		
	+ 0.1% D46 antifoam		
Tail	59 sx 50/50 Class "G"/Poz		75 cuft
Slurry 2	+ 2% gel (extender)		
500 ft fill	0.1% D46 antifoam		
	+ 1/4 #/sk. Cellophane Flake		0.1503 cuft/ft OH
	+ 2% S1 Calcium Chloride		0.1746 cuft/ft csg ann
			80 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft3/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:

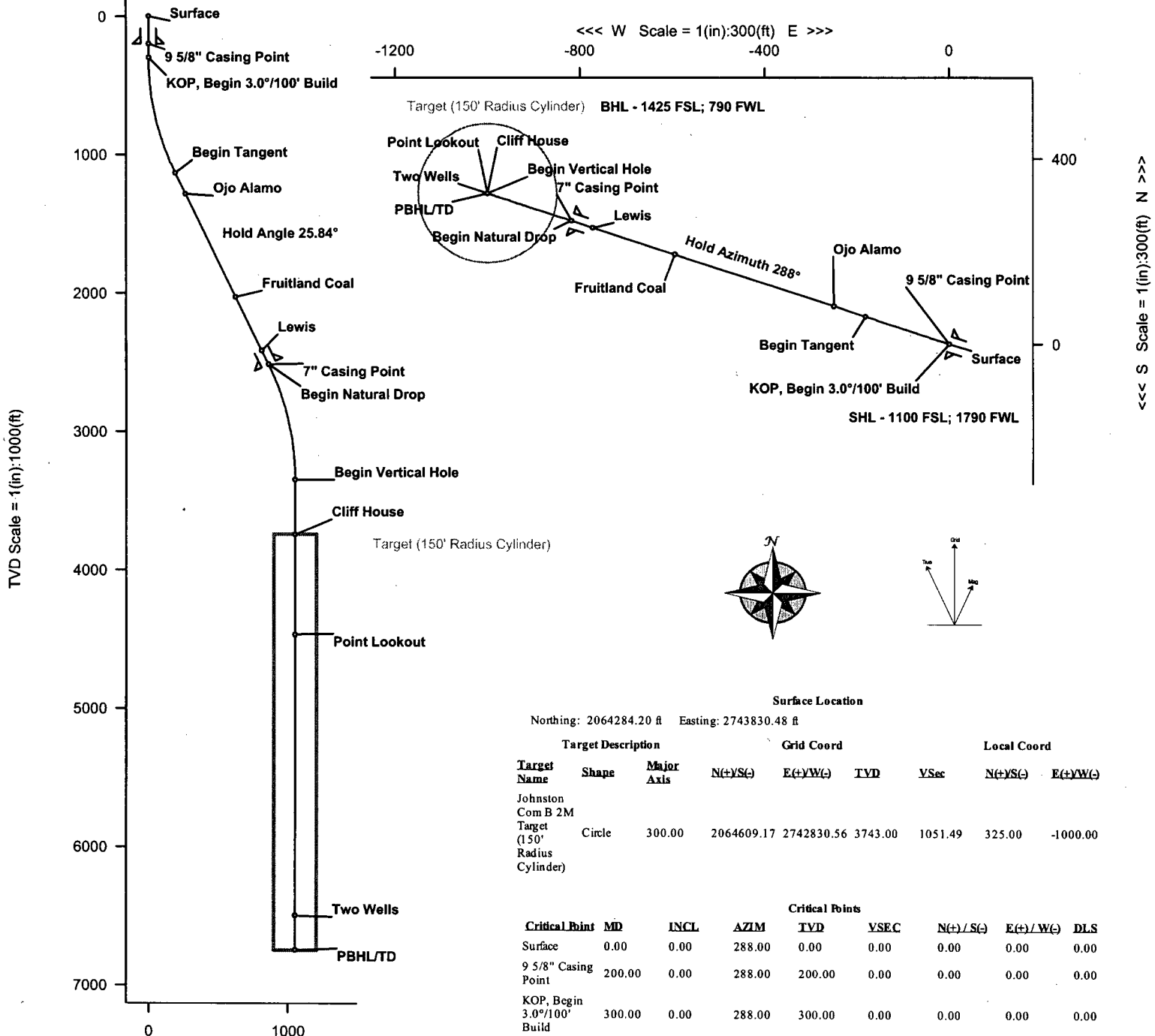
Fresh Water	10 bbl	CW100	
Slurry	253 LiteCrete D961 / D124 / D154		638 cuft
	+ 0.03 gps D47 antifoam		
	+ 0.5% D112 fluid loss		
TOC@Liner Top	+ 0.11% D65 TIC		
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry	9.5	2.52	6.38
Casing Equipment:	4-1/2", 8R, ST&C		

Cementing Program

1 Float Shoe
1 Float Collar
1 Stop Ring
Centralizers, as needed
1 Top Rubber Plug
1 Thread Lock Compound



WELL	Johnston Com B 2M	FIELD	San Juan County, New Mexico	STRUCTURE	BP 11-28N-09W
Magnetic Parameters	Model: 800M 2003	Dip: 83.585°	Date: November 23, 2004	Surface Location	Lat: N36 40 22.710
	Mag Dec: +10.691°	FS: 51372.4 nT			Long: W107 45 45.409
				NAD83 New Mexico State Planes, Western Zone, US Feet	North: 2064284.20 BUS
					Grid Conv: +0.04223710°
					East: 2743830.48 BUS
					Scale Fact: 0.9996171588
				Miscellaneous	Loc: Johnston Com B 2M
					Plan: RD Jew 23-Nov-04
					TVD Ref: RKB (5797.00 ft above MSL)
					Srvy Date: November 23, 2004



Vertical Section (ft) Azim = 288°, Scale = 1(in):1000(ft) Origin = 0 N-S, 0 E/-

Proposal

Quality Control

Date Drawn: Tue 07:55 AM November 23, 2004

Drawn by: Jim Wimberg

Checked by: Aaron

Client OK:

Grid North

Tot Corr (M->G
+10.6488°)

Mag Dec (+10.691°)

Grid Conv
(+0.04223710°)

Target Description		Grid Coord		Local Coord	
Target Name	Shape	Major Axis	N(+/S(-)	E(+)/W(-)	TVD
Johnston Com B 2M Target (150' Radius Cylinder)	Circle	300.00	2064609.17	2742830.56	3743.00
Critical Points		MD	INCL	AZIM	TVD
					VSEC
					N(+)/S(-)
					E(+)/W(-)
					DLS
Surface		0.00	0.00	288.00	0.00
9 5/8" Casing Point		200.00	0.00	288.00	200.00
KOP, Begin 3.0°/100' Build		300.00	0.00	288.00	300.00
Begin Tangent		1161.32	25.84	288.00	1132.42
Ojo Alamo		1327.52	25.84	288.00	1282.00
Fruitland Coal		2157.50	25.84	288.00	2029.00
Lewis		2586.38	25.84	288.00	2415.00
7" Casing Point		2697.49	25.84	288.00	2515.00
Begin Natural Drop		2697.58	25.84	288.00	2515.08
Begin Vertical Hole		3558.90	0.00	288.00	3347.50
Cliff House		3954.40	0.00	288.00	3743.00
Point Lookout		4679.40	0.00	288.00	4468.00
Two Wells		6706.40	0.00	288.00	6495.00
PBHL/TD		6956.40	0.00	288.00	6745.00



Johnston Com B 2M R0 Proposal Surveys

Report Date: November 23, 2004	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP America Inc.	Vertical Section Azimuth: 288.000°
Field: NM, San Juan County (NAD 83 WZ) 2004	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: BP 11-28N-09W (Johnston Com B 2M) / Johnston Com B 2M	TVD Reference Datum: RKB
Well: Johnston Com B 2M	TVD Reference Elevation: 5797.0 ft relative to MSL
Borehole: Original Hole (Est RKB)	Sea Bed / Ground Level Elevation: 5783.000 ft relative to MSL
UW/API#:	Magnetic Declination: 10.691°
Survey Name / Date: Johnston Com B 2M R0 jaw 23-Nov-04 / November 23, 2004	Total Field Strength: 51372.399 nT
Tort / AHD / DDI / ERD ratio: 51.679° / 1051.49 ft / 4.749 / 0.156	Magnetic Dip: 63.595°
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date: November 23, 2004
Location Lat/Long: N 36 40 22.710, W 107 45 45.409	Magnetic Declination Model: BGGM 2003
Location Grid N/E Y/X: N 2064284.197 ftUS, E 2743830.477 ftUS	North Reference: Grid North
Grid Convergence Angle: +0.04223710°	Total Corr Mag North -> Grid North: +10.649°
Grid Scale Factor: 0.99991716	Local Coordinates Referenced To: Well Head

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	288.00	0.00	0.00	0.00	0.00	0.00	2064284.20	2743830.48	N 36 40 22.710	W 107 45 45.409
9 5/8" Casing Point	200.00	0.00	288.00	200.00	0.00	0.00	0.00	0.00	2064284.20	2743830.48	N 36 40 22.710	W 107 45 45.409
KOP, Begin 3.0°/100' Build	300.00	0.00	288.00	300.00	0.00	0.00	0.00	0.00	2064284.20	2743830.48	N 36 40 22.710	W 107 45 45.409
Begin Tangent	1161.32	25.84	288.00	1132.42	190.95	59.02	-181.60	3.00	2064343.21	2743648.89	N 36 40 23.295	W 107 45 47.638
Ojo Alamo	1327.52	25.84	288.00	1282.00	263.39	81.41	-250.49	0.00	2064365.60	2743580.01	N 36 40 23.517	W 107 45 48.483
Fruitland Coal	2157.50	25.84	288.00	2029.00	625.14	193.22	-594.53	0.00	2064477.40	2743236.00	N 36 40 24.625	W 107 45 52.705
Lewis	2586.38	25.84	288.00	2415.00	812.07	251.00	-772.30	0.00	2064535.17	2743058.24	N 36 40 25.197	W 107 45 54.887
7" Casing Point	2697.49	25.84	288.00	2515.00	860.50	265.97	-818.36	0.00	2064550.14	2743012.19	N 36 40 25.346	W 107 45 55.452
Begin Natural Drop	2697.58	25.84	288.00	2515.08	860.54	265.98	-818.40	0.00	2064550.15	2743012.15	N 36 40 25.346	W 107 45 55.453
Begin Vertical Hole	3558.90	0.00	288.00	3347.50	1051.49	325.00	-1000.00	3.00	2064609.17	2742830.56	N 36 40 25.931	W 107 45 57.682
Cliff House	3954.40	0.00	288.00	3743.00	1051.49	325.00	-1000.00	0.00	2064609.17	2742830.56	N 36 40 25.931	W 107 45 57.682
Point Lookout	4679.40	0.00	288.00	4468.00	1051.49	325.00	-1000.00	0.00	2064609.17	2742830.56	N 36 40 25.931	W 107 45 57.682
Two Wells	6706.40	0.00	288.00	6495.00	1051.49	325.00	-1000.00	0.00	2064609.17	2742830.56	N 36 40 25.931	W 107 45 57.682
PBHL/TD	6956.40	0.00	288.00	6745.00	1051.49	325.00	-1000.00	0.00	2064609.17	2742830.56	N 36 40 25.931	W 107 45 57.682

Survey Type: Raw Proposal

Survey Error Model: SLB ISCWSA version 16 *** 3-D 95.00% Confidence 2.7955 sigma

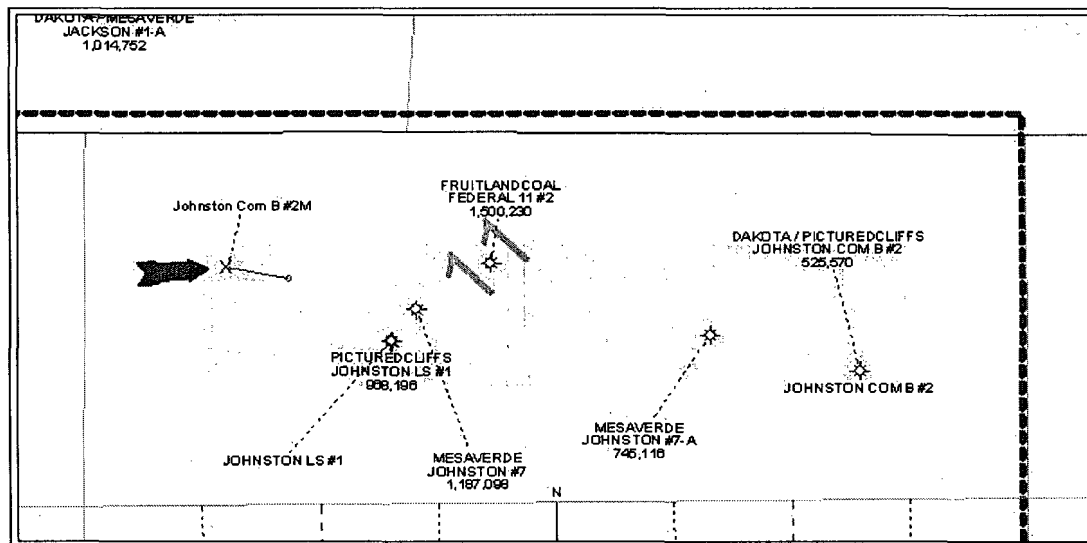
Surveying Prog:

MD From (ft)

0.00

MD To (ft) EOU Freq Survey Tool Type

6956.40 1/100.00 ft SLB_MWD-STD



PICTUREDCLIFFS 9/10/12 1:52

BP America
Johnston Cor
28-9 are mole high.
0
POSTE
PdQ WELL
WELL X Railway: O location u * Gas Well
RI BHL = 1425 FSL, 790 FM
B
Nov