

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. NMSF - 078046
2. Name of Operator BP AMERICA PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 281.366.4081 Fx: 281.366.0700		8. Well Name and No. HUGHES B 2B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T29N R8W SWSE 895FSL 1660FEL 36.47400 N Lat, 107.42800 W Lon		9. API Well No. 30-045-30937
		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 APD
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

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 recompleat 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.)

On 3/13/02 BP America Production Company requested permission to drill the subject well to a total depth of 6128 and complete in the Blanco Mesaverde sand only. We are currently waiting on that approval.

We are making this request to revise our original drilling plan. We previously intended to set 7" casing at 3033' MD/2666' TVD just above the coals. Our plan now is to drill an 8 3/4" hole to 3616' MD/3300' TVD and set 7" casing in the Lewis shale.

A revised directional plan and cement is attached.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #11044 verified by the BLM Well Information System For BP AMERICA PRODUCTION COMPANY, sent to the Farmington	
Name (Printed/Typed) CHERRY HLAVA <i>Cherry Hlava</i>	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 04/04/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>/s/ Jim Lovato</i>	Title <i>Petr. Eng.</i>	Date <i>4/9/07</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 <i>BLM-PFO</i>	

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.

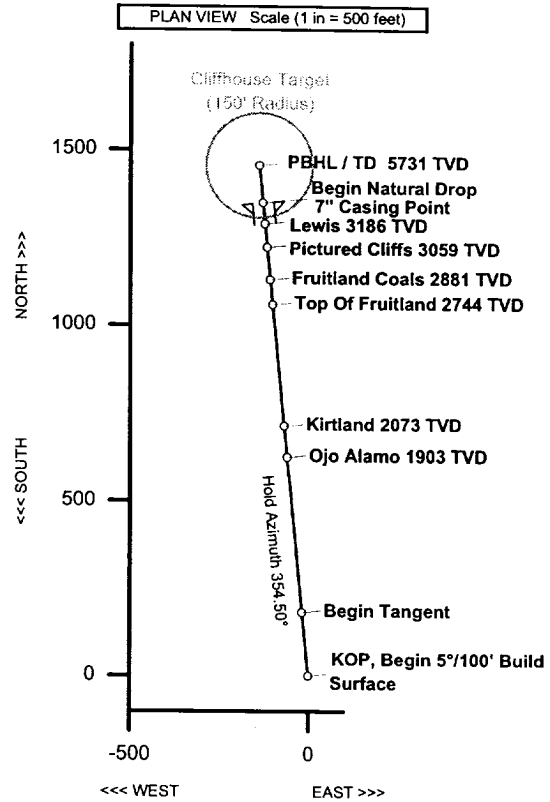
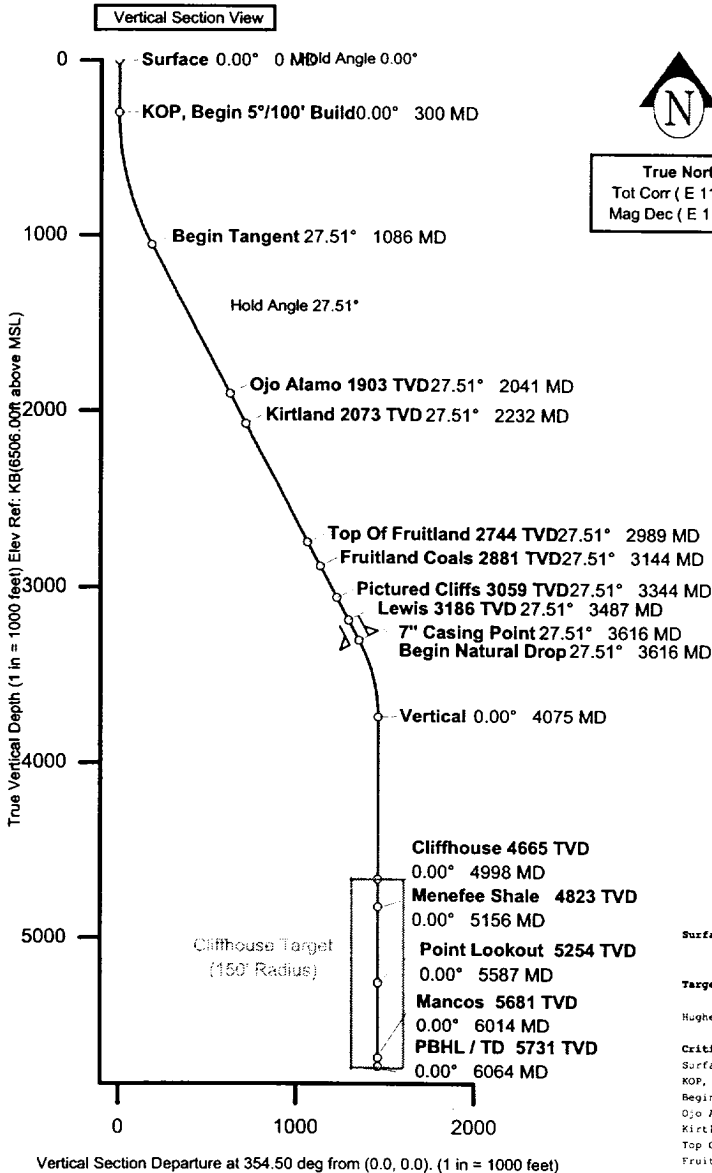
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Directional Survey

FARMINGTON COPY

Schlumberger BP

WELL Hughes B 2B	FIELD NM, San Juan County	STRUCTURE BP 19 T29N R8W
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Surface Location: North:2007835.00 ftUS, East:2561475.60 ftUS NAD83 New Mexico State Planes, Western Zone, US Feet

Target Name	Grid Coord N(+) / S(-) ftUS	Grid Coord E(+) / W(-) ftUS	TVD ft	VSEC ft	Local Coord N(+) / S(-) ft	Local Coord E(+) / W(-) ft	Shape	Major Axis
Hughes B 2B Cliff	2009290.70	2561343.92	4665.00	1461.72	1455.00	-140.00	Circle	300.0
Critical Points	MD	INCL	ASIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Surface	0.00	0.00	354.50	0.00	0.00	0.00	0.00	0.00
KOP, Begin 5°/100'	300.00	0.00	354.50	300.00	0.00	0.00	0.00	0.00
Begin Tangent	1086.02	27.51	354.50	1056.17	185.11	164.26	-17.73	3.50
Ojo Alamo 1903 TV	2040.82	27.51	354.50	1903.00	626.15	621.27	-59.97	0.00
Kirtland 2073 TVD	2232.50	27.51	354.50	2073.00	714.68	711.40	-68.45	0.00
Top Of Fruitland	2989.04	27.51	354.50	2744.00	1064.14	1059.25	-101.92	0.00
Fruitland Coals 2	3143.51	27.51	354.50	2881.00	1135.49	1130.27	-108.75	0.00
Pictured Cliffs 3	3344.20	27.51	354.50	3059.00	1228.20	1222.55	-117.63	0.00
Lewis 3186 TVD	3487.39	27.51	354.50	3186.00	1294.34	1288.39	-123.97	0.00
7\" Casing Point	3615.93	27.51	354.50	3300.00	1353.71	1347.49	-129.66	0.00
Begin Natural Dro	3615.99	27.51	354.50	3300.05	1353.74	1347.52	-129.66	0.00
Vertical	4074.50	0.00	354.50	3741.15	1461.72	1455.00	-140.00	0.00
Cliffhouse 4665 T	4998.35	0.00	354.50	4465.00	1461.72	1455.00	-140.00	0.00
Menefee Shale 4	5156.35	0.00	354.50	4623.00	1461.72	1455.00	-140.00	0.00
Point Lookout 52	5587.35	0.00	354.50	5254.00	1461.72	1455.00	-140.00	0.00
Mancos 5681 TVD	6014.35	0.00	354.50	5681.00	1461.72	1455.00	-140.00	0.00
PBHL / TD 5731 T	6064.35	0.00	354.50	5731.00	1461.72	1455.00	-140.00	0.00

Quality Control
Date Drawn: 04-Apr-2002
Drawn by: John O'Keefe
Checked by: Allen Starkey
Client OK: _____

APR 10 2002

msf

Proposed Well Profile

Report Date: April 4, 2002 Client: BP Field: NM, San Juan County Structure / Slot: BP 19 T29N R8W (Hughes B 2B) / Hughes B 2B Well: Hughes B 2B Borehole: Original Hole UWI / API#: Survey Name / Date: Rev6 jok 02-Apr-02 (3300 Csg) / April 4, 2002 Tort / AHD / DDI / ERD ratio: 55.022° / 1461.72 ft / 4.930 / 0.255 Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet Location Lat / Long: N 36 31 0.000, W 108 23 0.001 Location Grid N/E Y/X: N 2007835.000 ftUS, E 2561475.600 ftUS Grid Convergence Angle: -0.32728780° Grid Scale Factor: 0.99994655	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 354.500° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: KB TVD Reference Elevation: 6506.0 ft relative to MSL Sea Bed / Ground Level Elevation: 6492.000 ft relative to MSL Magnetic Declination: 11.270° Total Field Strength: 51555.570 nT Magnetic Dip: 63.366° Declination Date: November 16, 2001 Magnetic Declination Model: BGGM 2001 North Reference: True North Total Corr Mag North -> True North: 11.270° Local Coordinates Referenced To: Well Head
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Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N/S (ft)	E/W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Surface	0.00	0.00	354.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.5MTF
KOP, Begin 5°/100' Build	300.00	0.00	354.50	300.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.5MTF
	400.00	3.50	354.50	399.94	3.05	3.04	-0.29	3.05	354.50	3.50	-5.5MTF
	500.00	7.00	354.50	499.50	12.20	12.15	-1.17	12.20	354.50	3.50	0.0
	600.00	10.50	354.50	598.32	27.41	27.29	-2.63	27.41	354.50	3.50	0.0
	700.00	14.00	354.50	696.03	48.63	48.40	-4.66	48.63	354.50	3.50	0.0
	800.00	17.50	354.50	792.26	75.77	75.42	-7.26	75.77	354.50	3.50	0.0
	900.00	21.00	354.50	886.66	108.73	108.23	-10.41	108.73	354.50	3.50	0.0
	1000.00	24.50	354.50	978.86	147.40	146.72	-14.12	147.40	354.50	3.50	0.0
	1086.02	27.51	354.50	1056.17	185.11	184.26	-17.73	185.11	354.50	3.50	0.0
Begin Tangent											
Gjo Alamo 1903 TVD	2040.82	27.51	354.50	1903.00	626.15	623.27	-59.97	626.15	354.50	0.00	0.0
Kirtland 2073 TVD	2232.50	27.51	354.50	2073.00	714.68	711.40	-68.45	714.68	354.50	0.00	0.0

Top Of Fruitland 2744 TVD	2989.04	27.51	354.50	2744.00	1064.14	1059.25	-101.92	1064.14	354.50	0.00	0.0
Fruitland Coals 2881 TVD	3143.51	27.51	354.50	2881.00	1135.49	1130.27	-108.75	1135.49	354.50	0.00	0.0
Pictured Cliffs 3059 TVD	3344.20	27.51	354.50	3059.00	1228.20	1222.55	-117.63	1228.20	354.50	0.00	0.0
Lewis 3186 TVD	3487.39	27.51	354.50	3186.00	1294.34	1288.39	-123.97	1294.34	354.50	0.00	0.0
7" Casing Point	3615.93	27.51	354.50	3300.00	1353.71	1347.49	-129.66	1353.71	354.50	0.00	0.0
Begin Natural Drop	3615.99	27.51	354.50	3300.05	1353.74	1347.52	-129.66	1353.74	354.50	0.00	180.0
	3700.00	22.47	354.50	3376.17	1389.22	1382.83	-133.06	1389.22	354.50	6.00	180.0
	3800.00	16.47	354.50	3470.41	1422.54	1416.00	-136.25	1422.54	354.50	6.00	180.0
Vertical	3900.00	10.47	354.50	3567.62	1445.82	1439.17	-138.48	1445.82	354.50	6.00	180.0
	4000.00	4.47	354.50	3666.72	1458.82	1452.11	-139.72	1458.82	354.50	6.00	-5.5MTF
Cliffhouse 4665 TVD	4074.50	0.00	354.50	3741.15	1461.72	1455.00	-140.00	1461.72	354.50	6.00	-5.5MTF
Menefee Shale 4823 TVD	4998.35	0.00	354.50	4665.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
	5156.35	0.00	354.50	4823.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
Point Lookout 5254 TVD	5587.35	0.00	354.50	5254.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
Mancos 5681 TVD	6014.35	0.00	354.50	5681.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
PBHL / TD 5731 TVD	6064.35	0.00	354.50	5731.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	0.0MTF

Survey Error Model: Wolff & deWardt 1.0000 sigma

Surveying Programme:

MD From (ft)

0.00

MD To (ft) EOU Freq Survey Tool Type

6064.35 Act-Stns Anadrill MWD (none assigned-default tool used)

Cementing Program

Well Name: Hughes B2B Location: 19-29N-8W, 895 FSL, 1660 FEL County: San Juan State: New Mexico	Field: Blanco Mesaverde / Basin Dakota API No. Well Flac Formation: Dakota MesaVerde KB Elev (est) 6506 GL Elev. (est) 6492
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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	12.25	9.625	ST&C	Surface	NA	
Intermediate	3616	8.75	7	LT&C	Surface	NA	
Production -	6064	6.25	4.5	?	3516	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	3370	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	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	Recommended Mud Properties Prio Cementing:
			PV <20 YP <10 Fluid Loss <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 %, Bit	100	100	40
Excess %, Caliper	NA	NA	25
BHST (est deg. F)	60	120	185
Pipe Movement	NA	Rotate/Reciprocate	Rotate/Reciprocate
Rate, Max (bpm)	7	8	7
Rate Recommended (bpm)	6	6	6
Pressure, Max (psi)	200	2000	2000
Shoe Joint	40	80	40
Batch Mix	NA	NA	NA
Circulating prior cmtn (hr)	0.5	1.5	2
Time Between Stages, (hr)	NA	NA	NA
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 minimize drillout.

Surface:

Preflush	20 bbl.	FreshWater
Slurry 1	108 sx Class G Cement	125 cuft

Cementing Program

TOC@Surface Slurry Properties:	+ 2% CaCl ₂ (accelerator) 0.25 #/sk Cellophane Flake (lost circulation additive) 0.1% D46 antifoam Density (lb/gal) Slurry 1 15.8	Yield (ft ³ /sk) 1.16	Water (gal/sk) 4.95	0.3132 cuft/ft OH 100 % excess
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Casing Equipment:

- 9-5/8", 8R, ST&C
- 1 Guide Shoe
- 1 Top Wooden Plug
- 1 Autofill insert float valve
- 5 Centralizers
- 1 Stop Ring
- 1 Thread Lock Compound

Intermediate:

Fresh Water	20 bbl	fresh water		
Lead		350 sx Class "G" Cement		911 cuft
Slurry 1		+ 3% D79 extender		
TOC@Surface		+ 2% S1 Calcium Chloride		
		+ 1/4 #/sk. Cellophane Flake		
		+ 0.1% D46 antifoam'		
Tail		60 sx 50/50 Class "G"/Poz		75 cuft
Slurry 2		+ 2% gel (extender)		
500 ft fill		0.1% D46 antifoam		0.1503 cuft/ft OH
		+ 1/4 #/sk. Cellophane Flake		0.1746 cuft/ft csg ann
		+ 2% CaCl ₂ (accelerator)		80 % excess

Slurry Properties:	Density (lb/gal) Slurry 1 11.7 Slurry 2 13.5	Yield (ft ³ /sk) 2.61 1.27	Water (gal/sk) 15.79 5.72
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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
- 13 Centralizers (one in middle of first joint, then every third collar)
- 2 Fluidmaster vane centralizers @ base of Ojo
- 13 Centralizers one every 4th joint from Ojo to base of surface casing
- 1 Top Rubber Plug
- 1 Thread Lock Compound

Production:

Fresh Water	10 bbl	CW100		
Lead		146 LiteCrete D961 / D124 / D154		368 cuft
Slurry 1		+ 0.03 gps D47 antifoam		
TOC@Surface		+ 0.5% D112 fluid loss		
		+ 0.11% D65 TIC		

Cementing Program

Tail
Slurry 2

-117 ft fill

-12 sx 50/50 Class "G"/Poz
+ 5% D20 gel (extender)
+ 0.1% D46 antifoam
+ 1/4 #/sk. Cellophane Flake
+ 0.25% D167 Fluid Loss

-17 cuft
+ 5 #/sk D24 gilsonite
+ 0.15% D65 TIC
+ 0.1% D800 retarder

Slurry Properties:

Density
(lb/gal)

Yield
(ft3/sk)

Water
(gal/sk)

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

Slurry 1

9.5

2.52

6.38

Slurry 2

13

1.44

6.5

Top of Mancos

5681

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
39 Centralizers (every third joint)
1 Top Rubber Plug
1 Thread Lock Compound