

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.

5. Lease Serial No.

NMSF - 078046

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
HUGHES B 2B9. API Well No.
30-045-3093710. Field and Pool, or Exploratory
BLANCO MESAVERDE11. County or Parish, and State
SAN JUAN COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

Contact:

MARY CORLEY

E-Mail: corley@m.com

3a. Address

P.O. BOX 3092
HOUSTON, TX 77253

b. Phone No. (include area code)

Ph: 281.366.4491

Ex: 281.366.6002

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

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

TYPE OF SUBMISSION

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Alter Casing☐ Casing Repair☐ Change Plans☐ Convert to Injection☐ Deepen☐ Fracture Treat☐ New Construction☐ Plug and Abandon☐ Plug Back☐ Production (Start/Resume)☐ Reclamation☐ Recomplete☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Change to Original
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 recomple 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.)

ORIGINAL APD SUBMITTED FOR DRILLING & COMPLETION INTO THE DAKOTA & MESAVERDE FORMATIONS ON 11/29/2001. PRODUCTION WAS TO BE DOWNHOLE COMMINGLED. APPROVAL GRANTED ON 01/29/2001. PLEASE NOTE IT IS OUR INTENTION TO COMPLETE TO THE MESAVERDE ONLY. WELL WILL BE DIRECTIONALLY DRILLED AS PER PREVIOUS SUBMISSION.

BP America Production Company respectfully request permission to drill the subject well to a total depth of 6128 and complete in the Blanco Mesaverde. Please find attached amendments drilling and completion program, casing setting depths and cementing program for the subject well.

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #10749 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature

(Electronic Submission)

Date 03/13/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date 3/14/02

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.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

NMOC

**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Hughes B
Lease: HUGHES B
County: San Juan
State: New Mexico
Date: March 13, 2002

Well No: 2B
Surface Location: 19-29N-8W, 895 FSL, 1660 FEL
Field: Blanco Mesaverde
Bottom Hole Location: 19-29N-8W, 2350 FSL, 1800 FEL

OBJECTIVE: Drill 50' below the base of the Mancos Shale, set 4 1/2" production liner, Stimulate LS, CH, MF and PL intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 6492		Estimated KB: 6506	
Rotary	0 - TD				
LOG PROGRAM		MARKER		TVD	MEAS. DEPTH
DEPTH INVERAL		Ojo Alamo		1903	2125
TYPE <u>OPEN HOLE</u> none <u>CASED HOLE</u> GR-CCL-TDT CBL		Fruitland Coal	*	2881	3277
		Pictured Cliffs	*	3059	3450
		Lewis Shale	#	3186	3581
		Cliff House	#	4665	5062
		Menefee Shale	#	4823	5220
		Point Lookout	#	5254	5651
		Mancos		5681	6078
		REMARKS: - Please report any flares (magnitude & duration).		TOTAL DEPTH	
5731 6128					
SPECIAL TESTS		# Probable completion interval		* Possible Pay	
TYPE None		DRILL CUTTING SAMPLES		DRILLING TIME	
		FREQUENCY	DEPTH	FREQUENCY	DEPTH
REMARKS:		none	Production hole	Geolograph	0-TD

MUD PROGRAM:						
Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification	
0 - 200	Spud	8.6-9.2				
200 - 3033 (1)	Water/LSND	8.6-9.2		<6		
3033 - 6128	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore				

REMARKS:
 (1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)						
Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	200	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate	3033	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	6128	4 1/2"	J-55	10.5#	6.25"	3, 4

REMARKS:
 (1) Circulate Cement to Surface
 (2) Set casing 100' above Fruitland
 (3) Bring cement 100' above 7" shoe
 (4) 100' Overlap

CORING PROGRAM:
 None

COMPLETION PROGRAM:
 Rigless, 3-4 Stage Limited Entry Hydraulic Frac

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

Form 46 Reviewed by: _____ Logging program reviewed by: N/A

PREPARED BY: HGJ/MNP	APPROVED:	DATE: 12 March 2002 Version 3	
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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: 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	3033	8.75	7	LT&C	Surface	NA	
Production -	6128	6.25	4.5		2933	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	<u>Recommended Mud Properties Prio Cementing:</u>	
			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
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	110 sx Class G Cement		125 cuft
TOC@Surface	+ 2% CaCl2 (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		0.3132 cuft/ft OH
	0.1% D46 antifoam		100 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

Casing Equipment:

9-5/8", 8R, ST&C
 1 Guide Shoe
 1 Top Wooden Plug
 1 Autofill insert float valve
 Centralizers, 1 per joint except top joint

Cementing Program

1 Stop Ring
1 Thread Lock Compound

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead	290 sx Class "G" Cement	736 cuft	
Slurry 1	+ 3% D79 extender		
TOC@Surface	+ 1/4 #/sk. Cellophane Flake		
	+ 0.1% D46 antifoam'		
Tail	60 sx 50/50 Class "G"/Poz	75 cuft	
Slurry 2	+ 2% gel (extender)		
	0.1% D46 antifoam		
500 ft fill	+ 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 (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, one every other joint to base of Ojo		
	2 Turbolizers across Ojo		
	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	
Slurry	190 LiteCrete D961 / D124 / D154	461 cuft	
	+ 0.03 gps D47 antifoam		
	+ 0.5% D112 fluid loss		
TOC@100' into 7"	+ 0.11% D65 TIC		
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry	9.5	2.52	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 (autofill with minimal LCM in mud)		
	1 Float Collar (autofill with minimal LCM in mud)		
	1 Stop Ring		
	Centralizers, every 4th joint in mud drilled holes, none in air drilled holes		
	1 Top Rubber Plug		
	1 Thread Lock Compound		

BP America Production Company BOP Pressure Testing Requirements

Well Name: Hughes B
County: San Juan

2B
State: New Mexico

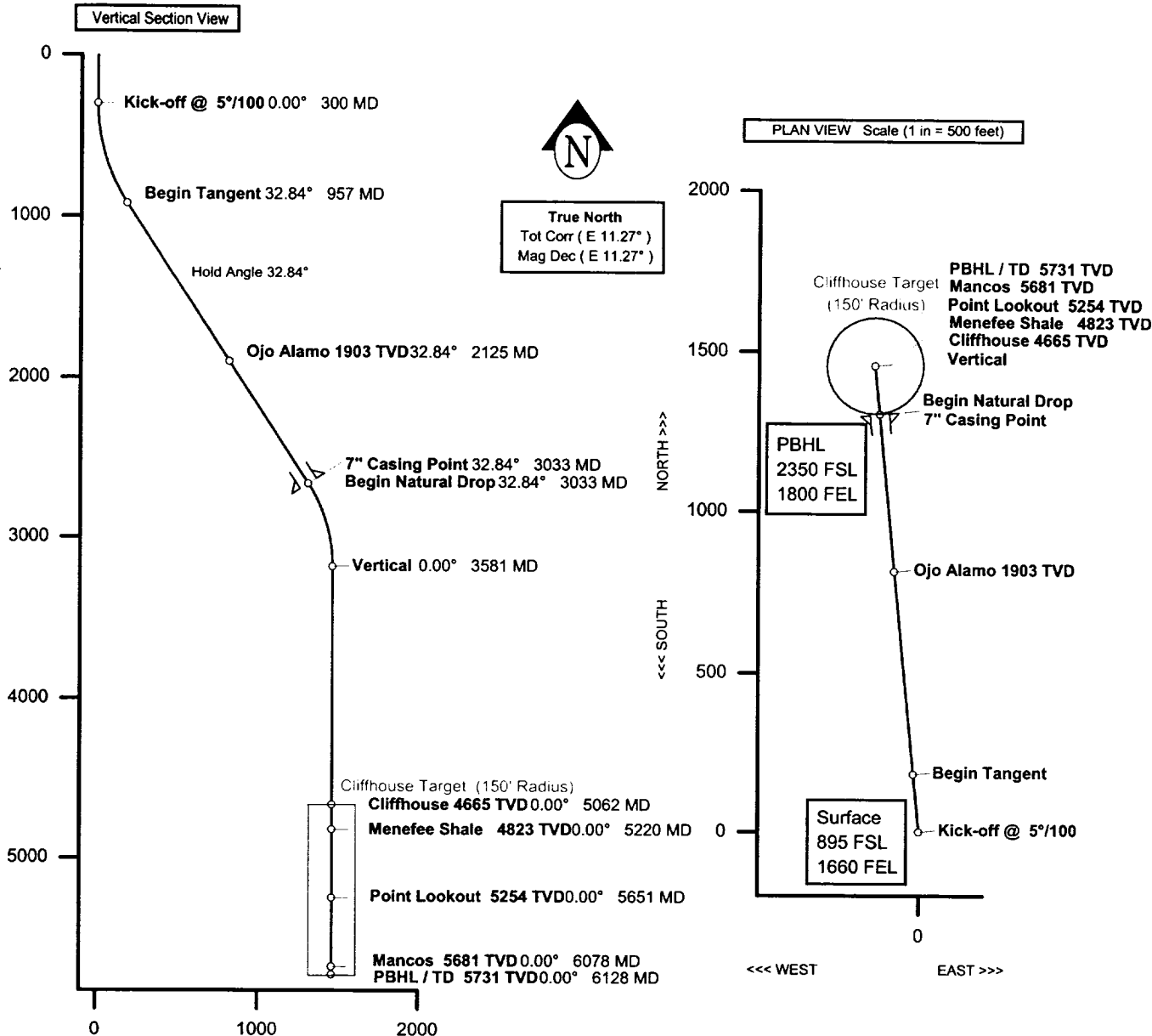
Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1903		
Fruitland Coal	2881		
PC	3059		
Lewis Shale	3186		
Cliff House	4665	500	0
Menefee Shale	4823		
Point Lookout	5254	600	0
Mancos	5681		

** Note: Determined using the following formula: $ABHP - (.22 * TVD) = ASP$

Requested BOP Pressure Test Exception: 750 psi

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		TVD	VSEC	Local Coord		Shape	Major Axis
	N(+) / S(-) ftUS	E(+) / W(-) ftUS			N(+) / S(-) ft	E(+) / W(-) ft		
Hughes B 2B Cliff	2009290.70	2561343.92	4665.00	1461.72	1455.00	-140.00	Circle	300.0
Critical Points	MD	INCL	AZIM	TVD	VSEC	N(+) / S(-)	E(+) / W(-)	DLS
Kick-off @ 5°/100	300.00	0.00	354.50	300.00	0.00	0.00	0.00	0.00
Begin Tangent	956.73	32.84	354.50	921.37	183.10	182.25	-17.54	5.00
Ojo Alamo 1903 TV	2125.04	32.84	354.50	1903.00	816.60	812.85	-78.21	0.00
7\" Casing Point	3033.13	32.84	354.50	2666.00	1309.02	1303.00	-125.37	0.00
Begin Natural Dro	3033.36	32.84	354.50	2666.19	1309.14	1303.12	-125.39	0.00
Vertical	3580.64	0.00	354.50	3184.00	1461.72	1455.00	-140.00	6.00
Cliffhouse 4665 T	5061.64	0.00	354.50	4665.00	1461.72	1455.00	-140.00	0.00
Menefee Shale 4	5219.64	0.00	354.50	4823.00	1461.72	1455.00	-140.00	0.00
Point Lookout 52	5650.64	0.00	354.50	5254.00	1461.72	1455.00	-140.00	0.00
Mancos 5681 TVD	6077.64	0.00	354.50	5681.00	1461.72	1455.00	-140.00	0.00
PBHL / TD 5731 T	6127.64	0.00	354.50	5731.00	1461.72	1455.00	-140.00	0.00

Quality Control
Date Drawn: 20-Feb-2002
Drawn by: John O'Keefe
Checked by: Allen Starkey
Client OK: _____

Proposed Well Profile

Report Date: February 20, 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: REV2 5FEB02 / February 20, 2002 Tort / AHD / DDI / ERD ratio: 65.673° / 1461.72 ft / 5.011 / 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 (°)
Kick-off @ 5°/100	0.00	0.00	354.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.5MTF
	300.00	0.00	354.50	300.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.5MTF
	400.00	5.00	354.50	399.87	4.36	4.34	-0.42	4.36	354.50	5.00	0.0
	500.00	10.00	354.50	498.99	17.41	17.33	-1.67	17.41	354.50	5.00	0.0
	600.00	15.00	354.50	596.58	39.05	38.87	-3.74	39.05	354.50	5.00	0.0
	700.00	20.00	354.50	691.93	69.11	68.79	-6.62	69.11	354.50	5.00	0.0
	800.00	25.00	354.50	784.28	107.36	106.87	-10.28	107.36	354.50	5.00	0.0
	900.00	30.00	354.50	872.96	153.52	152.82	-14.70	153.52	354.50	5.00	0.0
Begin Tangent	956.73	32.84	354.50	921.37	183.10	182.25	-17.54	183.10	354.50	5.00	0.0
Ojo Alamo 1903 TVD	2125.04	32.84	354.50	1903.00	816.60	812.85	-78.21	816.60	354.50	0.00	0.0
7" Casing Point	3033.13	32.84	354.50	2666.00	1309.02	1303.00	-125.37	1309.02	354.50	0.00	0.0

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Begin Natural Drop	3033.36	32.84	354.50	2666.19	1309.14	1303.12	-125.39	1309.14	354.50	0.00	180.0
	3100.00	28.84	354.50	2723.40	1343.29	1337.12	-128.66	1343.29	354.50	6.00	180.0
	3200.00	22.84	354.50	2813.36	1386.86	1380.48	-132.83	1386.86	354.50	6.00	180.0
	3300.00	16.84	354.50	2907.38	1420.78	1414.25	-136.08	1420.78	354.50	6.00	180.0
Vertical											
	3400.00	10.84	354.50	3004.43	1444.68	1438.04	-138.37	1444.68	354.50	6.00	180.0
	3500.00	4.84	354.50	3103.45	1458.32	1451.61	-139.67	1458.32	354.50	6.00	-5.5MTF
	3580.64	0.00	354.50	3184.00	1461.72	1455.00	-140.00	1461.72	354.50	6.00	-5.5MTF
Cliffhouse 4665 TVD	5061.64	0.00	354.50	4665.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
Menefee Shale 4823 TVD	5219.64	0.00	354.50	4823.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
Point Lookout 5254 TVD	5650.64	0.00	354.50	5254.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
Mancos 5681 TVD	6077.64	0.00	354.50	5681.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	-5.5MTF
PBHL / TD 5731 TVD	6127.64	0.00	354.50	5731.00	1461.72	1455.00	-140.00	1461.72	354.50	0.00	0.0MTF

Survey Error Model: (No Error Model Selected)