

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-30572
5. Indicate Type of Lease STATE FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: Elliott Gas Com H
2. Name of Operator Amoco Production Company Attn: Mary Corley	8. Well No. 1B
3. Address of Operator P.O. Box 3092 Houston, TX 77253	9. Pool name or Wildcat Blanco Mesaverde
4. Well Location Unit Letter H 2200 feet from the South line and 980 feet from the East line Section 26 Township 30N Range 09W NMPM San Juan County 10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5872'	

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>
OTHER: Amend Drilling Program <input checked="" type="checkbox"/>	

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>	

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

On February 22, 2001, Amoco Production Company filed an application for permit to drill the subject well. Approval was granted on February 26, 2001. Application was amended on June 11, 2001 to amend our drilling and casing program. Approval was granted on June 21, 2001. On November 07, 2001 an application was filed to amend our bottom hole location from 2200' FSL & 800' FEL to 1980' FSL & 800' FEL.

Please be advised that it is now our intention to drill the subject well as a vertical well from the original surface hole location and complete only into the Blanco Mesaverde Pool. Attached are copies of our amended Drilling and Cementing Program.

Additionally, please change the well number from 1M to 1B.

Thank you,

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

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 12/11/2001

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use) DEPUTY OIL & GAS INSPECTOR, DIST. 4 DEC 10 2001

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

**AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Elliott Gas Com H
Lease: ELLIOTT GAS COM H
County: San Juan
State: New Mexico
Date: December 11, 2001

Well No: 1B
Surface Location: 26-30N-9W, 2200 FNL,980 FEL
Field: Blanco Mesaverde

OBJECTIVE: Drill 50' below the base of the Mancos Shale, set 4 1/2" production casing, Stimulate LS, CH, MF and PL intervals			
METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER	
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 5872	Estimated KB: 5886
Rotary	0 - TD	MARKER	SUBSEA MEAS. DEPTH
LOG PROGRAM		Ojo Alamo	4554 1332
TYPE	DEPTH INVERAL	Fruitland Coal	* 3522 2364
<u>OPEN HOLE</u>		Pictured Cliffs	* 3323 2563
GR-Induction	TD to 7" shoe	Lewis Shale	# 3237 2649
Density/Neutron	TD to 7" shoe	Cliff House	# 1692 4194
		Menefee Shale	# 1510 4376
<u>CASED HOLE</u>		Point Lookout	# 1108 4778
GR-CCL-TDT	TDT - TD to 7" shoe	Mancos	716 5170
CBL	Identify 4 1/2" cement top	Greenhorn	
		Bentonite Marker	
REMARKS:		Two Wells	#
- Please report any flares (magnitude & duration).		Dakota MB	#
		Burro Canyon	*
		Morrison	*
		TOTAL DEPTH	666 5220
		# Probable completion interval	* Possible Pay
SPECIAL TESTS		DRILL CUTTING SAMPLES	
TYPE		FREQUENCY DEPTH	FREQUENCY DEPTH
None		10 feet Production hole	Geolograph 0-TD
REMARKS:			

MUD PROGRAM:						
Approx. Interval	Type Mud	Weight, #/ga	Vis, sec/qt	W/L cc's/30 min	Other Specification	
0 - 120-135 3 jts.	Spud	8.6-9.2				
120-135 - 2314 (1)	Water/LSND	8.6-9.2		<6		
2314 - 5220	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	120-135	9 5/8"	H-40 ST&C	32#	12.25"	1
Intermediate 1	2314	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	5220	4 1/2"	J-55	11.6#	6.25"	3

REMARKS:

(1) Circulate Cement to Surface

(2) Set casing 50' above Fruitland Coal

(3) Bring cement 100' above 7" shoe

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:	APPROVED:	DATE:
HGJ/MNP		5 th December 2001
Form 46 12-00 MNP		Version 3.0

Amoco Production Company BOP Pressure Testing Requirements

Well Name: Elliott Gas Com H
County: San Juan

1B
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1332		
Fruitland Coal	2364		
PC	2563		
Lewis Shale	2649		
Cliff House	4194	500	0
Menefee Shale	4376		
Point Lookout	4778	600	0
Mancos	5170		

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

Requested BOP Pressure Test Exception: 750 psi

Well Name:	Elliot Gas Com H1B	Field:	Blanco Mesaverde / Basin Dakota
Location:	26-30N-9W, 2200 FNL,980 FEL	API No.	
County:	San Juan	Well Flac	
State:	New Mexico	Formation:	MV
		KB Elev (est)	5886
		GL Elev. (est)	5872

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	135	12.25	9.625	ST&C	Surface	NA	
Intermediate	2314	8.75	7	LT&C	Surface	NA	
Production -	5220	6.25	4.5	?	2214	NA	

Casing Properties:

Casing String	Size (in.)	(No Safety Factor Included)		Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
		Weight (lb/ft)	Grade					
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 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 %, Bit	100	80	40
Excess %, Caliper	NA	NA	25
BHST (est deg. F)	60	120	160
Pipe Movement	NA	Rotate/Reciprocate	Rotate/Reciprocate
Rate, Max (bpm)	7	8	6
Rate Recommended (bpm)	6	6	4
Pressure, Max (psi)	200	2000	2000
Shoe Joint	40	80	40
Batch Mix	NA	NA	NA
Circulating prior cmtng (hr)	0.5	1.5	2
Time Between Stages, (hr)	NA	NA	NA
Special Instructions	1,6,7	1,6,8	2,4,6

- Do not wash pumps and lines.
- Wash pumps and lines.
- Reverse out
- Run Blend Test on Cement
- Record Rate, Pressure, and Density on 3.5" disk
- Confirm densitometer with pressurized mud scales
- 1" cement to surface if cement is not circulated.
- 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.	Fresh Water	
Slurry 1	73 sx Class G Cement		85 cu ft
TOC@Surface	+ 2% CaCl ₂ (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		0.3132 cu.ft/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

Cementing Program

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

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead		165 sx Class "G" Cement	478 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+ 2% S1 Calcium Chloride	
		+ 1/4 #/sk. Cellophane Flake	
		+ 0.1% D46 antifoam	
Tail		107 sx 50/50 Class "G"/Poz	135 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% CaCl2 (accelerator)	80 % excess

Slurry Properties:	Density	Yield	Water
	(lb/gal)	(ft3/sk)	(gal/sk)
Slurry 1	11.4	2.9	17.77
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
 8 Centralizers (one in middle of first joint, then every third collar)
 2 Fluidmaster vane centralizers @ base of Ojo
 8 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		172 LiteCrete D961 / D124 / D154	434 cuft
Slurry 1		+ 0.03 gps D47 antifoam	
TOC@Surface		+ 0.5% D112 fluid loss	
		+ 0.11% D65 TIC	
Tail		0 sx 50/50 Class "G"/Poz	0 cuft
Slurry 2		+ 5% D20 gel (extender)	+ 5 #/sk D24 gilsonite
0 ft fill		+ 0.1% D46 antifoam	+ 0.15% D65 TIC
		+ 1/4 #/sk. Cellophane Flake	+ 0.1% D800 retarder
		+ 0.25% D167 Fluid Loss	
			0.1026 cuft/ft OH
			40 % excess
Slurry Properties:	Density	Yield	Water
	(lb/gal)	(ft3/sk)	(gal/sk)
Slurry 1	9.5	2.52	6.38
			0.1169 cuft/ft csg ann

Cementing Program

Slurry 2	13	1.44	6.5	Top of Mancos
				4720
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			
	24 Centralizers (every third joint)			
	1 Top Rubber Plug			
	1 Thread Lock Compound			