

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
3004529227

5. Indicate Type of Lease
STATE ☐ FEE ☒

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 ☐ GAS WELL ☒ OTHER

2. Name of Operator
Amoco Production Company
Attention: Patty Haefele

3. Address of Operator
P.O. Box 800 Denver Colorado 80201 (303) 830-4988

4. Well Location
Unit Letter M : 850 Feet From The South Line and 1190 Feet From The West Line

Section 12 Township 29N Range 13W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
5476' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

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.

Amoco Production Company requests your approval of the attached casing and cementing revisions to the APD approved on March 28, 1995.

RECEIVED
DEC - 5 1995

OIL CON. DIV.
DIST. 3

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

SIGNATURE Patty Haefele TITLE Staff Assistant DATE 11-30-1995
TYPE OR PRINT NAME Patty Haefele

TELEPHONE NO. (303) 830-4988

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH

TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE DEC - 6 1995

CONDITIONS OF APPROVAL, IF ANY:

AMOCO PRODUCTION COMPANY
DRILLING and COMPLETION PROGRAM

Lease: Burnham G. C. B
 County: San Juan New Mexico
 Former name:

Well No. #1
 Surface Location: 850' FSL & 1230' FWL of Section 12, T29N, R13W
 Field:

OBJECTIVE: Single PC

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER	
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL-----Estimated KB	
Rotary	Ground Level - TD		5476 5484

LOGGING PROGRAM TYPE	DEPTH	Marker	Depth (ft.)	SS Elev. (ft.)
Cased Hole Neutron - GR	No open hole logs required.	Ojo Alamo		
		Kirtland		
		Fruitland Coal	1,116	4,368
		PC *	1,376	4,108
		Lewis Shale	1,609	3,875
		Cliff House		
		Menefee Shale		
		Point Lookout		
		Mancos		
		Gallup		
		Greenhorn		
		Dakota		
		TOTAL DEPTH	1,659	3,825

Logging Program Remarks:

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		None		Geograph	Surf - TD

Remarks:

Mud Logging Program: None

Coring Program: None

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min.
0' - 250'	Spud			N/C
250' - TD (1) (2)	LSND	8.6 - 9.4	Sufficient to clean hole	N/C

Mud Program Remarks:

- 1 - The hole may require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.
- 2 - If required to mud up, mud up with a LSND designed for good hole cleaning.

CASING PROGRAM:

Casing String	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface	250	7"	8.75"	1
Production	1,659	4.5"	6.25"	1, 2, 3

Casing Program Remarks:

- 1 - Circulate cement to surface.
- 2 - Production cement to be designed by Denver drilling staff.
- 3 - Casing to be set 50' into the Lewis Shale

GENERAL REMARKS:

Business Unit Engineering staff to design completion program.

Form 46 Reviewed by:

Logging program reviewed by:

PREPARED BY:	APPROVED:	APPROVED:
Grotke/Ovitz		

Form 46 7-84bw	For Production Dept	For Exploration Dept
Date: 3/8/95	Rev. Date: 11/30/95 8:07	File: burngcb1.xlw

CEMENTING PROGRAM

blp

Burnham Gas Com 'B' #1

Well Name: **Burnham Gas Com 'B' #1**
Location: 850' FSL X 1230' FWL, Sec 12, T29N, R13W
County: San Juan
State: New Mexico

Field:
API No.
Well Flac
Formation: Pictured Cliff
KB Elev. (est.) 5484 ft.
GL Elev. (est.) 5476 ft.

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Casing Weight (lb/ft.)	Casing Grade	Thread	TOC (ft.)
Surface	250	8.75	7.000	23	J-55	8R, LT&C	Surface
Production	1,659	6.25	4.500	10.5	K-55	8R, ST&C	Surface

Casing Properties:

(No Safety Factor Included)

Casing String	Casing Weight (lb/ft.)	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Torque(ft. lbs.) Opt/Min/Max	Drift (in.)
Surface	23	4360	3270	313	0.0393		6.241
Production	10.5	4790	4010	146	0.0159		3.927

Mud Program:

Apx. Interval (ft.)	Mud Type	Mud Weight (lb/gal)	<u>Recommended Mud Properties Prior Cementing:</u>	
			PV	<20
			YP	<10
0 - SCP	Spud	8.6-8.8	Fluid Loss	<15
SCP - TD	LSND	8.6-9.4		

Cementing Program:

	Surface	Production
Excess %, Bit	75	60
Excess %, Caliper	NA	40
BHST (est. deg. F)	55	100
Pipe Movement	NA	NA
Rate, Max. (bpm)	1 truck	4
Rate, Recommended (bpm)	6	4
Pressure, Max. (psi)	200	2000
Shoe Joint	40'	40
Batch Mix	NA	NA
Circulating prior cmtn (hr.)	0.5	1
Time Between Stages, (hr.)	NA	NA
Special Instructions	1,6,7	2,4,6,8

- 1 Do not wash pumps and lines
- 2 Wash pumps and lines.
- 3 Do not reverse out
- 4 Run Blend Test on Cement
- 5 Record Rate , Pressure, and Density on 3.5" disk
- 6 Confirm densometer with pressurized mud scales
- 7 1" cement to surface if cement is not circulated.
- 8 If cement is not circulated to the surface, run temp. survey 10-12 hr. after landing plug.

Notes:

- *** Displace top plug on the production casing job with 0.2% Clay Fix II or 2% KCl water.
- *** Do not wash up on top of plug. Wash pumps and lines. We want to do rig less completions.

CEMENTING PROGRAM
Burnham Gas Com 'B' #1

Surface:

Preflush	20 bbl.	Fresh Water + dye marker	
Slurry 1 TOC@Surface	60 sk	Standard Cement + 2% CaCl ₂ + 1/4 lb/sk floccle	70 cu. ft.

Slurry Properties:	density (lb/gal)	yield (ft ³ /sk)	water (gal/sk)
slurry 1	15.60	1.18	5.20

Casing Equipment: (Halliburton) 7", 8R, ST&C

- 1 Type M Guide Shoe
- 1 Insert Float w Auto Fill
- 1 Weld A
- 3 S-4 Centralizer
- 1 Top Wooden Plug

CEMENTING PROGRAM
Burnham Gas Com 'B' #1

Production:

Preflush	20 bbl. 10 bbl.	Mud Flush Fresh Water	
Lead Cement Slurry 1		50/50 Standard Cement/Blended Silicalite + 02% gel (total) + 0.5% Versaset + 0.4% Halad-344 + 02% CaCl ₂ + 1/4 lb/sk flocele	240 cu. ft.

Slurry Properties:	density (lb/gal)	yield (ft ³ /sk)	water (gal/sk)
slurry 1	12.00	2.03	11.45

Note: The job should be pumped at 4 bpm max rate. Do not exceed 2 bpm on displacement. Slow to 2 bpm for the displacement. Displace with 2% KCl or 0.2% Clay Fix II water. This is to be a rigless completion.

Casing Equipment: Halliburton 4 1/2", 8R (no need to cut long pin)

- 1 Regular Guide Shoe
- 1 Super Seal II Float Collar
- 10 S-4 Fluidmaster Centralizer
- 1 Lock Clamp
- 1 Weld A
- 1 Top Rubber Plug