District I PO Pox 1980, Hobbs, NM 88241-1980 District II 811 Snuth First, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Azzec, NM 87410 District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-101
Revised October 18, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

MENDED REPORT

APPLICA	TION	FOR	PER	RMIT T	ro dri	LL, RE-E	NTER, DEF	EPE:	N, PLUGB	ACK,	OR A	DD A ZONE	
					•	me and Address			• • • • • • • • • • • • • • • • • • • •		1 (OGRID Number	
					tion Comp	ipany -				000778			
					30x 800	00001						API Number	
				Denve	c, CO	80201					30 - 0	45-29227	
⁴ Prope	rty Code					3	Property Name					* Well No.	
16901			Bu	rnham	Gas Co	m B						<u> </u>	
						⁷ Surface	Location						
UL or lot no.	Section	Town	٠,١	Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/V	Vest line	County	
M	12	29N		13W		850 '	South		1190	<u> </u>	s t	San Juan	
	,		T			~ ~	ation If Diff			·			
UL or lot no.	Section	Towns	hip	Range	Lot Idn	Feet from the	North/South	line	Feet from the	East/V	Vest line	County	
·	L			d Pool 1				1	If Propo	and Pool	1		
West 1	Kutz-P:		•		- Fart				r ropo:	West San Juan N Surface In the East/West line County Proposed Pool 2 Type Code Pool 2			
west	Xutz-r.	ICLUI	.eu	CIIII	S EXL.		1			****	.		
" Work 7	Type Code	- T	12	Well Type	Code	¹³ Cal	ole/Rotary		14 Lease Type Co	ode .	15 Gro	ound Level Elevation	
N				G		Rota	ıry		P			5476 '	
" Me	ıltiple		17	Proposed	Depth		rmation		1º Contractor			20 Spud Date	
N	o			1581'		Picture	Cliffs		Aztec			4/30/95	
				21	Propose	ed Casing	and Cement	Pro	ogram		L		
Hole Size Casing Si			Casing weight/foot		·,··			f Cemen					
8.75"			7'' 23		23#	250'			100		Surface		
6.25"			3.5	11	9.2	#	1664'		242			Surface	
													
							ļ		والمراجعة والمراجعة والم	e star justin	_	<u> </u>	
# p			7641	19 49	· A DEE	DEN DIVICI	A CW atomatical tra		1			1	
						PEN or PLUG I iditional sheets i		n on th	ne present product	ive zone	and propo	sed new productive	
. 2	10 10	pdi	11.5	190	. / De	places			回匿	C E			
		/ .a	d r	ne .	Lee su	eller and				9 6		Branco S. S. O. S. Francos Mr. C. S. S. S. S. S	
0-7 Q 1 1	De grape !				50	-101			<u>IIII</u> s	EP 1	8 199	j lidd	
									(SDB	001		- 1000 to the contract of the	
										(C(0))	No 11	20%	
										DIG			
23 I hereby certif of my knowledg	•		n giver	above is	rue and comp	olete to the best	OI	L C	ONSERVA	TION	DIVI	SION	
Signature:	\wedge		a.	Fact	2000		Approved by:					 	
Printed name:	Patty	7 1	•	11			Title:						
Title:							Approval Date:		<u> </u>	Expiration	n Date:		
Date:	Staff	Assi	sta	nt Phone:	<u>.</u>		Conditions of Appr	roval ·	1				
9/14/	95			l ikak.	(303) 8	30-4988	Attached						
7 1 ± ¬()				1									

C-101 Instructions

23

Measurements and dimensions are to be in feet/inches. Well locations will refer to the New Mexico Principal Meridian.

IF THIS IS AN AMENDED REPORT CHECK THE BOX LABLED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

- Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
- 2 Operator's name and address
- API number of this well. If this is a new drill the OCD will assign the number and fill this in.
- 4 Property code. If this is a new property the OCD will assign the number and fill it in.
- 5 Property name that used to be called 'well name'
- 6 The number of this well on the property.
- 7 The surveyed location of this well New Mexico Principal Meridian NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD Unit Letter.
- 8 The proposed bottom hole location of this well at TD

9 and 10 The proposed pool(s) to which this well is beeing drilled.

- 11 Work type code from the following table:
 - N New well
 - E Re-entry
 - D Drill deeper
 - P Plugback
 - A Add a zone
- 12 Well type code from the following table:
 - O Single oil completion
 - G Single gas completion
 - M Mutiple completion
 - I Injection well
 - S SWD well
 - W Water supply well
 - C Carbon dioxide well
- 13 Cable or rotary drilling code
 - C Propose to cable tool drill
 - R Propose to rotary drill
- 14 Lease type code from the following table:
 - S State
 - P Private
- 15 Ground level elevation above sea level
- 16 Intend to mutiple complete? Yes or No.
- 17 Proposed total depth of this well
- 18 Geologic formation at TD
- 19 Name of the intended drilling company if known.
- 20 Anticipated spud date.
- Proposed hole size ID inches, proposed casing OD inches, casing weight in pounds per foot, setting depth of the casing or depth and top of liner, proposed cementing volume, and estimated top of cement
- 22 Brief description of the proposed drilling program and BOP

program. Attach additional sheets if necessary.

The signature, printed name, and titis of the person authorized to make this report. The date this report was signed and the telephone number to call for questions about this report.

Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies

6.25"

3.5"

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-101 **Revised 1-1-89**

OIL CONSERVATION DIVISION API NO. (assigned by OCD on New Wells) DISTRICT I P.O. Box 1980, Hobbs, NM 88240 P.O.Box 2088 Santa Fe, New Mexico 87504-2088 5. Indicate Type of Lease DISTRICT II P.O. Drawer DD, Artesia, NM 88210 FEE X STATE 6. State Oil & Gas Lease No. DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 7. Lease Name or Unit Agreement Name la. Type of Work: Burnham Gas Com B PLUG BACK DEEPEN DRILL X RE-ENTER b. Type of Well: SINGLE ZONE GAS WELL X OIL WELL OTHER 8. Well No. 2. Name of Operator Attention: AMOCO PRODUCTION COMPANY Julie L. Acevedo 19680 9. Pool name or Wildcat 3. Address of Operator 80201 Colorado P.O. Box 800 Denver 4. Well Location West Line and 1/90 South Line Feet From The 850 Feet From The Unit Letter SAN JUAN County 29N Range 13W **NMPM** Township Section 12. Rotary or C.T. 10. Proposed Depth 11. Formation Rotary 1664' TD **Pictured Cliffs** 16. Approx. Date Work will start 14. Kind & Status Plug. Bond 15. Drilling Contractor 13. Elevations (Show whether DF, RT, GR, etc.) 4/30/95 Aztec 5476' GR 17. PROPOSED CASING AND CEMENT PROGRAM SACKS OF CEMENT EST. TOP SETTING DEPTH SIZE OF CASING WEIGHT PER FOOT SIZE OF HOLE Surface 100 sx CI B 250' 7" 23# 8.75" Surface 9.2# 1664' 242 sx Cl B

DECEIVES

	MAR 2	8 1995 ¹⁹⁹
	ICD 110 Rid	J. DLV. : 3
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSA	II. IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE	ZONE AND PROPOSED NEW
PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.		
I hereby certify that the information above is true and complete to the I	Sr. Staff Assistant	DATE03-24-1995
TYPE OR PRINTNAME Julie L. Acevedo		TELEPHONE NO. (303) 830-6003
(This space for State Use)		3-28-95
APPROVED BY Twee Burel	DEPUTY OIL & GAS INSPECTOR, DIST. #3	. date <mark>MAR 2 8 1995</mark>
CONDITIONS OF APPROVAL, IF ANY:		

State of New Mexico Energy, Macrois & Natural Resources Department

Form C-102 Revised February 21, 1994

the East/We 20 Last/We East/We	ant line	Voll Number # 1 Elevation 5476 County SAN JUAN
the East/We 90 WES	ant line	# 1 Elevation 5476 County SAN JUAN
90 WES	ant line	# 1 Elevation 5476 County SAN JUAN
90 WES	nt üse	Elevation 5476 County SAN JUAN
90 WES	nt üse	5476 County SAN JUAN
90 WES	Ţ	County SAN JUAN
90 WES	Ţ	SAN JUAN
90 WES	Ţ	SAN JUAN
ace		
	est line	
inc East/We	est HO¢	
		County
		<u> </u>
TS HAVE BI	EEN CON	SOLIDATED
DIVISION		
sby certify that the .	information o	TIFICATION contained herein is incorrected and belief
Fel L	aa	do
ulie L. cd Name r. Staff		
TIRVEYOR	CERT	IFICATION
why certify that the planted from field in the field in t	well location mass of networks, and that of y belief. 13. 19 Processional A. MEXIC	s shows on this plat is surveys made by me he some is true and
	URVEYOR Was complete to the Ulie L. Ind Name r. Staff 3/24/95 URVEYOR Was correctly that the planted from field a where my supervision cet to the best of m March of Survey Staff OF Survey Staff	ulie L. Aceved and Name r. Staff Assis 3/24/95 URVEYOR CERT why carefy that the well location planted from field name of action after my supervision, and that of act to the best of my belief. March 13, 19 Servey March 13, 19 March 13, 19 March 13, 19 March 13, 19

AMOCO PRODUCTION COMPANY DRILLING PROGRAM

File No.:

burngcb1.xlw

Date:

1/26/95

Lease:

Burnham G. C. B

San Juan County, New Mexico

Well No.

#1

Surface Location: 850' FSL & 1230' FWL of Section 12, T29N, R13W

County: Former name:

OBJECTIVE: Develop PC METHOD OF DRILLING APPROXIMATE DEPTHS OF GEOLOGICAL MARKER TYPE OF TOOLS **DEPTH OF DRILLING** GL-----Estimated KB 5489 Rotary LOGGING PROGRAM Marker Depth (ft.) SS Elev. (ft.) Ground Level - TD Ojo Alamo PC ** TYPE **DEPTH** 1,381 4,108 1,614 3,875 Lewis Shale Triple Combo (FDC-CNL Td to surface in one run Cliff House Menefee Shale HRI-SP-GR-Micro) Point Lookout Mancos Gallup REMARKS: Greenhorn Dakota TOTAL DEPTH 1,664 3,825 * Possible pay **Probable completion Ojo Alamo is possible usable water DRILL CUTTING SAMPLES DRILLING TIME SPECIAL TESTS DEPTH TYPE DEPTH INTERVAL, ETC FREQUENCY DEPTH **FREQUENCY** Int - TD Geolograph None Remarks: Mud Logging Program: Remarks: None Coring Program: None

MUD PROGRAM:

Approx. Interval 0 · 250'

Type Mud Weight, #/g

Vis, sec/qt

W/L, cc's/30 min.

Production

Spud LSND

8.6 - 9.5

Sufficient to clean hole

REMARKS:

CASING PROG Casing String	RAM: Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor Surface Intermediate	250	7*	8.75"	1
Production	1,664	3.5"	6.25"	1, 2, 3

Remarks:

- 1 Circulate cement to surface.
- 2 Production cement to be designed by Denver drilling staff.
- 3 Casing 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.
3/23/95 17:37	·	•

CEMENTING PROGRAM

Burnham Gas Com 'B' #1

blp

Well Name:

Burnham Gas Com 'B' #1

Location:

SCP - TD

LSND

850' FSL X 1230' FWL, Sec 12, T29N, R13W

San Juan

County: State:

New Mexico

Field:

API No.

Well Flac

Formation:

Pictured Cliff

KB Elev. (est.)

5489 ft.

GL Elev. (est.)

5476 ft.

Casing Progra	m:							
Casing String	Est. Depth	Hole Size	Casing Size	Casing Weight	Casing Grade	Thread	TOC	
	(ft.)	(in.)	(in.)	(lb/ft.)			(ft.)	
Surface	250	8.75	7.000	23	J-55	8R, LT&C	Surface	
Production	1,664	6.25	3.500	9.2	H-40	8R, EUE	Surface	
Casing Proper	ties:	No Safety Fa	ctor Included)					
Casing String	Casing Weight	Burst	Collapse	Joint St.	Capacity	Torque(ft. lbs.)	Drift
	(lb/ft.)	(psi.)	(psi.)	(1000 lbs.)	(bbl/ft.)	Opt/Mi	n/Max	(in.)
			0.070	212	0.0393			6.241
Surface	23	4360	3270	313	0.0333			U. E 7 1

Mud Program	1:			
Apx. Interval	Mud Type	Mud Weight	Recommend	ed Mud Properties Prior Cementing:
(ft.)		(lb/gal)	PV	<20
			ΥP	<10
0 - SCP	Spud	8.6-8.8	Fluid Loss	<15

Cementing Program:		
	Surface	Production
Excess %, Bit	75	30
Excess %, Caliper	NA	30
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 cmtng (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

8.6-9.5

- 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.

Version No. 2 03/23/95 689A2.XLS

CEMENTING PROGRAM

Burnham Gas Com 'B' #1

Surface:

Preflush

20 bbl.

Fresh Water + dye marker

Slurry 1

TOC@Surface

100 sk

Standard Cement

+ 2% CaCI2

+ 1/4 lb/sk flocele

95 cu. ft.

Slurry Properties:

density

(lb/gal)

yield (ft3/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

blp

320 cu. ft.

Version No. 2 03/23/95 689A2.XLS

CEMENTING PROGRAM

Burnham Gas Com 'B' #1

Production:

Preflush

20 bbl.

Mud Flush

10 bbl.

Fresh Water

Lead Cement

Slurry 1

50/50 Std. Cmt/Poz A

+ 2% gel (total)

+ 5 lb/sk gilsonite

+ 0.4% Halad-344

+ 1/4 lb/sk flocele

Slurry Properties:

density (lb/gal) yield (ft3/sk) water (gal/sk)

slurry 1

13.50

1.32

5.59

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

3 1/2", 8R, EUE, (no need to cut long pin)

1 Super Seal II Float Shoe

10 S-4 Fluidmaster Centralizer

1 Lock Clamp

1 Weld A

1 Omega Latch Down Plug and Baffle

