 DH -	SUNDRY NOT Do not use this for
	DEPAR BUREA

# UNITED STATES DEPARTMENT OF THE INTERIOR RUREALLOF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0135

BURE	EAU OF LAND MANAGEME	ENT		Expires: Nove	mber 30, 2000	
SUNDRY NO Do not use this fo	TICES AND REPORTS (	ON WELLS		5. Lease Serial No. SF - 078039		
abandoned well. U	Jse form 3160-3 (APD) for	syet proposals.  JAN 2001		6. If Indian, Allottee or	Tribe Name	
	ATE - Other instruction	S en reverse side D OLCON ON DET. 5	Ş	7. If Unit or CA/Agreen	ment Name and/or No.	
1. Type of Well Oil Well	Gas Well Other	Tr.		8. Well Name and No.		
Name of Operator     AMOCO PRODUCTION COMPAI	NY	CELLES !		9. API Well No.		
3a. Address P.O. BOX 3092 HOUSTON, TX 770	79	3b. Phone No.(include area 281,366,4491	code)	3004530349 10. Field and Pool, or E	exploratory Area	
	Sec., T., R., M., or Survey Descrip			BASIN DAKOTA	BLANCO MESAVERDE	
1030FWL 710FSL M / 26	6-32 N-11W			11. County or Parish, an SAN JUAN NM	nd State	
12. CHECK APPRO	OPRIATE BOX(ES) TO INDI	CATE NATURE OF NOTI	CE, REP	ORT, OR OTHER DA	ATA	
TYPE OF SUBMISSION		TYPE OF A	ACTION			
Notice of Intent  Subsequent Report  Final Abandonment Notice	Acidize  Acidize  Alter Casing  Casing Repair  Change Plans  Convert to Injection	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Recla	roduction (Start/Resume)  Reclamation Recomplete  Cemporarily Abandon  Water Shut-C Well Integrity APDCH  Water Disposal		
13. Describe Proposed or Completed Operation If the proposal is to deepen directionally or Attach the Bond under which the work will following completion of the involved operatesting has been completed. Final Abandor determined that the site is ready for final in The subject well was originally per Barnes LS Well No. 8B. Please or respectfully submits this request complete and produce the well for Mesaverde Pool and commingle 11363 dated 4/26/2000, will be suffer the Basin Dakota Pool and priour revised drilling and completion	recomplete horizontally, give subsurfar lee performed or provide the Bond No. Itions. If the operation results in a multinment Notices shall be filed only after a spection.)  Trainited on 9/29/2000 to be drill change the well number from 8 to amend permit application to rapproximately 90 to 120 days production downhole. Application but the state of the s	ce locations and measured and true on file with BLM/BIA. Required siple completion or recompletion in a ill requirements, including reclamations and completed into the BB to 8M. Additionally, Amod deepen into the Basin Dake to establish production rate on for Downhole Comminglies for approval after production the Mesaverde. Please significant in the Mesaverde.	vertical dep subsequent i a new intervion, have be Blanco Me co Produc ota Pool ( e, then ad ng covere tion has be see attach	ths of all pertinent markers an reports shall be files within 30 al, a Form 3160-4 shall be file en completed, and the operator essaverde Pool as tion Company (TD 7845'), id the Blanco ed under NMOCD order open established aments in support of	d zones.  O days  ed once  or has	
Electronic Submission #2288 verified by Committed to AFMSS for processing	the BLM Well Information Syster g by Maurice Johnson on 01/09/20	m for AMOCO PRODUCTION	N COMPA	NY Sent to the Farmington	on Field Office	
Name (Printed/Typed) MAR	RY CORLEY	Title	SUBM	HTTING CONTACT		
Signature		Date	01/09/	2001		

Committed to AFMSS for processing by Maurice Johnson on 01/09/2001

Name (Printed/Typed) MARY CORLEY

Title SUBMITTING CONTACT

Date 01/09/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Im Lovato

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.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
311 South First,, Artesia, NM 88210
DISTRICTIII
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV

2040 South Pacheco, Sante Fe, NM 87505

30-045-30349

Property Name

**API** Number

Property Code

000300

## State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, New Mexico 87505 Form C-102
Revised October 18, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

Well Number

8M

Basin Dakota & Blanco Mesaverde

### WELL LOCATION AND ACREAGE DEDICATION PLAT

Barnes LS

Pool Name

Pool Code

71599 & 72319

OGRID No. Operator Name							Elevation				
000778 AMOCO PRODUCTION COMPANY							· · · · · · · · · · · · · · · · · · ·				
Surface Location											
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County		
UNIT M	26	32N	11W		710'	SOUTH	1030'	WEST	San Juan		
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County		
Dedicated Acreage	1	Joint or Infill	Con	solidation Code	Order No	1					
<del></del>	<u> </u>	WILL BE ASSI OR A NON-S				ITIL ALL INTE		BEEN CONS	OLIDATED		
							I hereby certify	OPERATOR CERTIFICATION    I hereby certify that the informtion contained herein is true and complete to the best of my knowledge and belief			
					Signatur Osley Printed Name						
·							Position S	Sr. Regulatory Analyst			
						01/09/2001 SURVEY CERTIFICATION					
					~~~~	I hereby certify plotted from fie under my super	that the well location so Id notes of actual survervision, and that the sar ny knowledge and belia	hown on this plat was bys made by me or ne is true and correct			
							<b>}</b>	06/29/200	0		
			<u> </u>				Date of Sui	rvey Seal of Profession	onal Surveyor		
1030								Gary D. Var	nn		
2/0							Certificate	No. 7016			

### **Cementing Program**

Well Name: Location: County: State:	Barnes LS 8B 26-32N-11W, 7 San Juan New Mexico	26-32N-11W, 710 FSL, 1030 FWL San Juan			Field: API No. Well Flac Formation: KB Elev (e GL Elev. (e	Dakota Mesa\ st) 634	Dakota MesaVerde  Dakota MesaVerde 6342 6331		
Casing Program		11.1.0:-	O-sine Sine	Throad	TOC	Stone Teel	Cmt Cir. Out		
Casing String	Est. Depth	Hole Size	Casing Size	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	(bbl.)		
Curtons	(ft.)	(in.) 14.75	(in.) 10.75	ST&C	Surface	NA	(001.)		
Surface Intermediate	125 2627	9.875	7.625	LT&C	Surface	NA NA			
2nd Int.	6800	6.75	5.5	ST&C	2400	NA NA			
(liner)	7500	4.75	4	ST&C	6500	6700			
Casing Proper			Factor Included)						
Casing Froper Casing String	Size	Weight	Grade	Burst	Collapse	Joint St.	Capacity D	rift	
odonig ounig	(in.)	(lb/ft)	<del></del>	(psi.)	(psi.)	(1000 lbs.)		n.)	
Surface	10.5		8 K-55	3580		2090 42		9.9	
Intermediate	7.62		4 K-55	4140		2890 30	9 0.0472	6.241	
Production -			.5 K-55	4810		4040 14		3.927	
(liner)			1 K-55	6304		?	0.01174	3.476	
Mud Program	<del></del>			-".					
Apx, Interval	Mud Type	Mud Weigh	t	Recomm	ended Mud	Properties Prio Cer	menting:		
(ft.)		-		PV	<20				
,				ΥP	<10				
0 - SCP	Water/Spud	8.6-9	.2	Fluid Los	ss<15				
SCP - ICP	Water/LSND	8.6-9	.2						
ICP - ICP2	Gas/Air Mist	N	<u>A</u>						
ICP2 - TD	LSND	8.6 <b>-</b> 9	.2						
Cementing Prog	gram:								
			Surface		Intermed		Liner		
Excess %, Bit			100%		80	50	10		
Excess %, Calip			NA		NA	NA	30		
BHST (est deg.	F)		60		120	150	160		
Pipe Movement	t		NA		•	orocatotate/Reciprod	· · · · · ·		
Rate, Max (bpm	•		7		4	4	2		
Rate Recomme	, , ,		6		4	3	2		
Pressure, Max	(psi)		200		2000		2000		
Shoe Joint			40		80	80	40		
Batch Mix			NA		NA	NA 8.5	NA 2		
Circulating prior			0.5		1.5	2.5	2 NA		
Time Between			NA 1.0.7		NA 1.0.0	NA 160			
Special Instruct			1,6,7		1,6,8	1,6,9	2,3,4,6		
	1. Do not wash		nes.						
	2. Wash pump								
	3. Reverse out		.+						
	4. Run Blend		ιτ nd Density on 3.5"	diek					
			pressurized mud						
7. 1" cement to surface if cement is not circula: 8. If cement is not circulated to surface, run ter				10-12 hr. af	ter landing plug.				
	o. II coment is	not circulated	to surrace, run to	11p. ou. 10j		ioi ioiioiiig piegi			
Notes:		<del></del>							
	*Do not wash	up on top of pl	ug. Wash lines be	fore displa	cing liner ce	ment job to minmize	e drillout.		
						ated clean with trea			
	*** Run TMD o	ased hole logs	s to identify pay, F	Perforating	and CH logs	can be run rigless.			
Surface:									
	Deeflush		20 hbl	FreehW					

Amoco Page 1 1/9/01

FreshWater

20 bbl.

Preflush

### **Cementing Program**

151 cuft Slurry 1 130 sx Class G Cement TOC@Surface + 2% CaCl2 (accelerator) 0.25 #/sk Cellophane Flake (lost circulation additive) 0.1% D46 antifoam Yield Water Density Slurry Properties: (gal/sk) (lb/gal) (ft3/sk) 4.95 Slurry 1 15.8 1.16 10-3/4", 8R, ST&C Casing Equipment: 1 Guide Shoe 1 Top Wooden Plug 1 Autofill insert float valve 4 Centralizers 1 Stop Ring 1 Thread Lock Compound Intermediate: 20 bbl fresh water Fresh Water 280 sx Class "G" Cement 812 cuft Lead + 3% D79 extender Slurry 1 + 2% S1 Calcium Chloride TOC@Surface +1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam' 191 cuft 150 sx 50/50 Class "G"/Poz Tail + 2% gel (extender) Slurry 2 0.1% D46 antifoam 500' fill +1/4 #/sk. Cellophane Flake + 2% CaCl2 (accelerator) Yield Water Density Slurry Properties: (ft3/sk) (gal/sk) (lb/gal) 17.77 2.9 Slurry 1 11.4 5.72 13.5 1.27 Slurry 2 Casing Equipment: 7-5/8", 8R, ST&C 1 Float Shoe (autofill with minimal LCM in mud) 1 Float Collar (autofill with minimal LCM in mud) 1 Stop Ring 9 Centralizers (one in middle of first joint, then every third collar) 2 Fluidmaster vane centalizers @ base of Ojo 8 Centalizers one every 4th joint from Ojo to base of surface casing 1 Top Rubber Plug 1 Thread Lock Compound

CW100

140 LiteCrete D961 / D124 / D154

+ 0.03 gps D47 antifoam

300 cuft

10 bbl

Int 2:

Fresh Water

Lead

Slurry 1

### **Cementing Program**

TOC@Surface

+ 0.5% D112 fluid loss

+ 0.11% D65 TIC

Tail

Slurry 2

175 sx 50/50 Class "G"/Poz

+ 5% D20 gel (extender)

+ 5 #/sk D24 gilsonite

500' fill

+ 0.1% D46 antifoam

+ 0.15% D65 TIC

+ 1/4 #/sk. Cellophane Flake

+ 0.1% D800 retarder

252 cuft

+ 0.25% D167 Fluid Loss

Slurry Properties:

Density (lb/gal)

Yield

Water (gal/sk)

Slurry 1

9.5

(ft3/sk) 2.14

6.38

Slurry 2

13

1.44

6.5

Casing Equipment:

5-1/2", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)

1 Float Collar (autofill with minimal LCM in mud)

1 Stop Ring

35 Centralizers (every third joint

1 Top Rubber Plug

1 Thread Lock Compound

Production (liner):

Preflush

10 bbl.

CW100 / LCM wash

Lead Cement

50 50/50 Poz/G

72 cuft

Slurry 1

TOC@

(200' above TOL)

5% D20 bentonite

0.1% D46 antifoam 0.25#/sk D29 cellophane

0.25% D167 Fluid loss 0.15% D65 TIC

0.15% D800 retarder

Slurry Properties:

Density

(lb/gal)

(ft3/sk)

Water (gal/sk)

Slurry 1

1.44

6.5

Liner Float Equipment:

Float Shoe and Float Collar (furnished by Liner Hanger Company)

1 Thread Lock Compound

Note:

1. Coordinate w/Liner hand to drop plug, or set/release Liner as required

- 2. The job should be pumped at 2-3 bpm max rate. Do not exceed 3 bpm on displacement
- 3. Wash pump and lines before displacement. Slow to 1 bpm for the last 30 bbl of displacement.
- 4. This is to be a rigless completion. After cement set time, liner top will be dressed off an liner circulated clean with 2 % KCI or 2 gal/1000 gal L64.

#### **AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM**

Prospect Name: Barnes LS

Form 46 12-00 KAT

KAS/KAT

Lease: BARNES LS County: San Juan State: New Mexico

Date: January 9, 2001

Well No: 8M

Surface Location: 26-32N-11W, 710 FSL,1030 FWL

Field: Blanco Mesaverde/Basin Dakota

	luary 9, 200 i		1	inar garage Dakata S	Stimulata I S	CH ME DI A	and DK inton	role	
OBJECTIVE: Drill 400' be									
METI		APPROXIMA							
TYPE OF TOOLS DEPT			DRILLING	Estimated (	GL: 6331			KB: 6345	
Rotary	0	ΓD		MARKER Ojo Alamo		SUB	SEA	MEAS. DEPT	
L	LOG PROGRAM						4500	184 268	
TYPE	DEP	TH INVE	RAL	Fruitland Coal	*		3665		
OPEN HOLE				Pictured Cliffs	*		3250		
GR-Induction		o5½"s		Lewis Shale	#		3125		
Density/Neutron		o 5 ½" sh		Cliff House	#		1446		
Sonic	TD t	o 5 ½" sh	noe	Menefee Shale			1359		87
CASED HOLE				Point Lookout	#		986		59
GR-CCL-TDT			7 5/8" shoe	Mancos			770	557	
		CCL - PB		Greenhorn			-1050	739	
CBL	Тор	of 4" - 50	)' above 7 5/8 "shoe				-1100	744	
REMARKS:				Two Wells	#		-1165	75°	
<ul> <li>Please report any flares</li> </ul>	(magnitude &	duration	).	Cubero	# *		-1268	76°	- 1
				Burro Canyon		1	-1275	762	
				Morrison			-1350	769	
				TOTAL DEPTH			-1500	784	45
				# Probable cor			* Possible		
S	PECIAL TE	STS		DRILL CUTT	TING SAM	PLES	DRIL	LING TIME	
TYPE				FREQUENCY	Y DEPTI	H   F	REQUEN	ICY DEPTH	
None				10 feet	Producti	on hole   G	eolograph	0-TD	
REMARKS:									
INDIVIDITATIO.									
MUD PROGRAM:									
Approx. Interval	Ту	pe Mud	Weight, #/ga	al Vis, sec/qt	W/L cc'	s/30 min	Other :	Specification	
0 - 120-135	3 jts. Sp	oud	8.6-9.2						
120-135 - 2630		ater/LSN	ND 8.6-9.2						
2630 - 7445	` ' ' '	as/Air/Mi		cient to maintain	a stable a	and clean v	wellbore		ļ
7445 7845	ľ	ND	8.6-9.2						
REMARKS:									
(1) The hole will require	sweens to l	ceen unl	oaded while fresh	water drilling	et hole co	nditions di	ctate frequ	uencv.	
(2) Top set Fruitland Co	oal to minimi	za loet o	virculation, air volu	ime to maintain l	hole stabil	itv	0.0.0		
CASING PROGRAM: (	oar to minimi	26 1031 0	arculation, air voic	and to mantain	d Hala siza	n will be gove	rood by Con	tract\	-
		r goods all					Land	ing Pt, Cmt, Et	,
Casing String	Estimated		Casing Size	Grade	Weight	Hole Size	Lanu	ing Ft, Cint, Et	ا .ن
	Depth								
Surface/Conductor	1	20-135	10 3/4"	J-55 ST&C	40.5#	14.75			
Intermediate 1		2630	7 5/8"	K-55 LT&C	26.4#	9.875			
Intermediate 2		7445	5 ½"	K-55 LT&C	15.5#	6.75			
Production (liner)		7845	4"	K-55 H 511	11#	4.75	5"   3		
REMARKS:									ļ
(1) Circulate Cement to	Surface			(4) Bring cem	ent 200' al	oove 7 5/8	" shoe		
(2) Set casing 50' abov		Coal		( )					
(3) Liner Lap should be	a minimum	of 100'							
CORING PROGRAM:	, a mananana	01 100							
None			<del> </del>						
COMPLETION PROGRAM:									
Rigless, 4-6 Stage Limit		draulic F	rac						
GENERAL REMARKS:	:								
Notify BLM/NMOCD 24	hours prior t	o Spud,	BOP testing, and	Casing and Cer	nenting.				
Form 46 Reviewed by:			Log	ging program rev	viewed by:	N/A		·	
PREPARED BY:									
		1		1	24 200		L		

December 21, 2000

Version 1.0