Fårm 3160-3 (December 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR

Form approved.
Budget Bureau No.1004-0136
Expires: December 31, 1991

DEPARTMENT OF THE INTERIOR					5. LEASE DESIGNATION AND SERIAL NO. NM-14919			
BUREAU OF LAND MANAGEMENT								
APPLICATION FOR PERMIT TO DRILL OR DEEPEN				6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
1a. TYPE OF WORK	CATION FOR FL	.niviii 10 D	MILL	ON DELFEN			<del> </del>	
	ILL 🗵	DEEPEN				7. UNIT AGREEMENT NAM	1E	
OIL G/	AS X OTHER			NGLE X MULTIP	LE	8. FARM OR LEASE NAME	, WELL NO.	
2. NAME OF OPERATO		Attention:				155/0 Carson Fed		
Amoco Production Com	·	Julie L.	Aceve	do		9. API WELL NO.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
3. ADDRESS AND TELEPHONE	· ///					30-039	- 25 444 :	
P.O. Box 800, Denver,	Colorado 80201			(303) 830-600	3	10. FIELD AND POOL, OR		
	ort location clearly and in accord	dance with any State re	quireme	nte.*)		Choza Mesa Pic	ctured Cliff	
At surface 1540FNL	. 2630FEL					11. SEC., T., R., M., OR BL AND SURVEY OR AREA	к.	
At proposed prod. zone	1782 FNL 1	651 FEL		,		Section 25	D 414/	
14 DISTANCE IN MILES AND D	DIRECTION FROM NEAREST TOW					Township 28N 12. COUNTY OR PARISH	Range 4W /	
				•		✓ Rio Arriba	New Mexico	
62 Miles from 15. DISTANCE FROM PROPOSE			16. NO.	OF ACRES IN LEASE		F ACRES ASSIGNED	/ New Mexico	
LOCATION TO NEAREST PROPERTY OR LEASE LINI				640	тот	NE/4 160	Acres	
(Also to nearest drig, unit line, 18. DISTANCE FROM PROPOS	SED LOCATION*		19. PRO	POSED DEPTH	20. ROTA	RY OR CABLE TOOLS		
TO NEAREST WELL, DRILL OR APPLIED FOR, ON THIS	S LEASE, FT.			4580' MD	F	Rotary		
21. ELEVATIONS (Show whether	coldus of nution action and	t to technical a	<b>1</b>		L	22. APPROX. DATE WOR	K WILL START*	
7337' GR 🗸	procedural review pu and appeal pursuant			5.3	70.00	8/31/94	1	
23.				CEMENTING PROGRA	M CHO	LING OPERATIONS A	JTHORIZED ARE	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		BIECT TO COMPLIANCE WITH ATTACHE ENERAL SHAFTITE PROPERTY.		
12 1/4"	8 5/8"	24#		250'	1	I B Cement to Surface		
7 7/8"	5 1/2"	15.5 or 17#	f	4580'	1167 CF	CIB Cement to Surf	ace	
Lease Description:	T28N - R4W Sec. 25: ALL			VED 1994 L. DIV. 3		91 JUL 18 AM 10: 51	RECEIVED	
IN ABOVE SPACE DESCRI is to drill or deepen direct  24.  SIGNED (This space for Federal or State PERMIT NO.)	BE PROPOSED PROGRAM: ionally, give pertinent data of the control o	on subsurface location	ESr. S	ve data on present product measured and true vertica taff Assistant	ive zone an	Give blowout preventer p	7-14-1994	
	variant or certify that the applicant hold	is legal or equitable title to 1			itle the applicar	nt to conduct Oth AME	IDED	
CONDITIONS OF APPROV						70 -11		
	AL, IF ANY:						4004	
APPROVED BY	AL, IF ANY:	TiT	LF -			AUGTI	1994	

Hold C-1019 for DD \*SEE Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

**Zapung to Valuabures** District Office
State Lease - 4 copies Fee Lease - 3 copies

Energy, Minerals and Natural Resources Department

## OIL CONSERVATION DIVISION

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

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

DISTRICT | P.O. But 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLATE 18 AM 10: 51 All Distances must be from the outer boundaries of the section 1000 Rio Brazos Rd., Aztec, NM 87410 070 FARMING AMOCO PRODUCTION COMPANY 778 Carson Federal G County Range Township Unit Letter RIO ARRIBA **NMPM** 4 WEST 28 NORTH Actual Footage Location of Well: EAST line feet from the 2630 NORTH line and Dedicated Acreage: feet from the Producing Formation Ground level Elev. NE/4 160 Acres Choza Mesa Pictured Cliffs Pictured Cliffs 1. Outline the acreage dedicated to the subject well by colored pencil or hathure marks on the plat below. 7337 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? If answer is "yes" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of ☐ No No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. Princed Name Julie L. Acevedo 8 Position 00 Staff Assistant Company 2630 moco Production Company Date 10'± 6/9/94 SURVEYOR CERTIFICATION BHL 165 I hereby certify that the well location sho on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 1994 June 1 Signature & Sea Professions OUL COM. DIV. Veyor 7016 Caunt 7016 POFESSIONAL

### AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

File No.: Date:

Carson

6/20/94

Lease: County:

Former name:

Carson Federal G

Reference Well

Rio Arriba, New Mexico

Well No.

#1 (Carson National Forest)

Field:

Surface Location: 1540 feet FNL & 2630 feet FEL, Section 25, T-28N, R4W Choza Mesa Pictured Cliffs

25

W/L, cc's/30 min.

NC

4

Remarks:		Mud Logging Program:	Onitace to In		
5		Remarks;	Surface to TD		
None		2 Man Unit	Surface to TD	Geolograph	0 - 1
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY	DEPT
SPECIAL TESTS		DRILL CUTTING SA	MPLES	DRILLING	S TIME
		OJO ALAMO IS POSSIBLI	E USEABLE WATER		
		* Probable completion			
		* Possible pay		1	1
		TOTAL DEPTH			
HEIMINING.				1	
REMARKS:		- INE DEPINS ON THE KIE	INT ANE APPROXIMIA		1
		(Directional Well See Atta		TE TUD DEDTUC	
SDI-DSN	SFCTD	Lewis Shale		4,321	3,028
HRI-CAL-GR		**Pictured Cliffs		4,046	3,303
ITE	DELIII	*Fruitland		3,889	3,460
LÖGGING PROGRAM Type	DEPTH	Kirtland		3,681 3,792	3,668 3,557
Rotary	0 - TD	Marker		Depth (ft.)	SS Elev. (ft.)
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GLEstimated I	KB	7337	7349
METHOD OF DRILLING		APPROXIMATE DEPTH			

Vis, sec/qt.

Sufficient to clean hole and maintain integrity f/ logs.

Sufficient to clean hole.

Weight, #/gaf

8.5--9.0

8.6-9.0\*

## REMARKS:

0-----SCP

SCP---TD

Approx. Interval

Type Mud

SPUD

LSND

CASING PROG Casing String	RAM: Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor Surface	250	8 5/8 <b>"</b>	12 1/4"	1,2
Production		5 1/2"	7 7/8*	1,2

#### Remarks:

- 1. Circulate cement to surface.
- 2. Drilling Team to design cement programs.

### GENERAL REMARKS:

Engineering to design completion program.

Form 46 Reviewed by:	Logging program reviewed by:	
PREPARED BY:	APPROVED:	APPROVED:
Logan/Shepard		
Form 46 7-84bw	For Production Dept	For Exploration Dept.
7/6/94 11:02	•	

<sup>\*</sup> Use minimum mud weight to control formation pressures.

# AMOCO PRODUCTION COMPANY

Cementing Procedure/form 46

Well Name:

Carson Federal G #1

The well will be drilled to the surface casing point using native mad. The well will then be drilled to the production casing point with a non-dispersed mud system.

Reference Well

Surface Casing:

Quanity (ft) 250

Size (in) 8 5/8\*

Weight (ppf) 24

Description J-55, ST&C

Cement program 232 cf Class B, 2% CaCl2 + 0.25 #/sx Rocele.

Hole Size:

12 1/4" Excess coment:

1.25

1.18 cf/sx, 15.6 ppg

**Production Casing** 

Quanity (ft) 4580 MD

Size (in) 7.875

Weight (ppf) 15.50 or 17.00

Description J-55, LT&C

Cement program

.\*

\* 1st Stg Lead:

864 cf Lite, 7 pps salt, 2% Mircobond, 5% Calseal, 3/8 pps Flocele

1.8 cf/sx, 13 ppg.

300 sx Class B, 0.4% H-344, 0.4% CFR-3, 5 pps Gilsonite

2% Microbond, 0.25 pps Flocele

1.29 cf/sx, 15.1 ppg

Hole size:

7 7/9"

Excess cement:

60%

BY BRAD BN YETTRARRY PLISTR

07/14/94

- while dopths from 5 rm 18 in shalled arous to continue content volumes

#### AMOCO PRODUCTION COMPANY

Cementing Procedure/form 46

Well Name:

Carson Federal G #1

Reference Well

The well will be drilled to the surface casing point using native mud.

The well will then be drilled to the production casing point with a non-dispersed mud system.

Surface Casing:

Quanity (ft) Size (in) Weight (ppf) Description
250 8 5/8" 24 J-55, ST&C

Coment program
232 cf Class B, 2% CaCl2
+ 0.25 #/sx Flocele.
1.18 cf/sx, 15.6 ppg

Hole Size:

12 1/4" Excess cement:

1.25

**Production Casing** 

 Quantity (ft)
 Size (in)
 Weight (ppf)
 Description

 4580° MD
 7.875
 15.50 or 17.00
 J-55, LT&C

\* 1st Stg Lead:

884 of Lite, 7 pps salt, 2% Mircobond, 5% Calseal, 3/8 pps Flocele

1.8 cf/sx, 13 ppg.

300 sx Class B, 0.4% H-344, 0.4% CFR-3, 5 pps Gilsonite

2% Microbond, 0.25 pps Flocole

1.29 cf/sx, 15.1 ppg

Cement program

Hole size:

7 7/8"

Excess coment:

60%

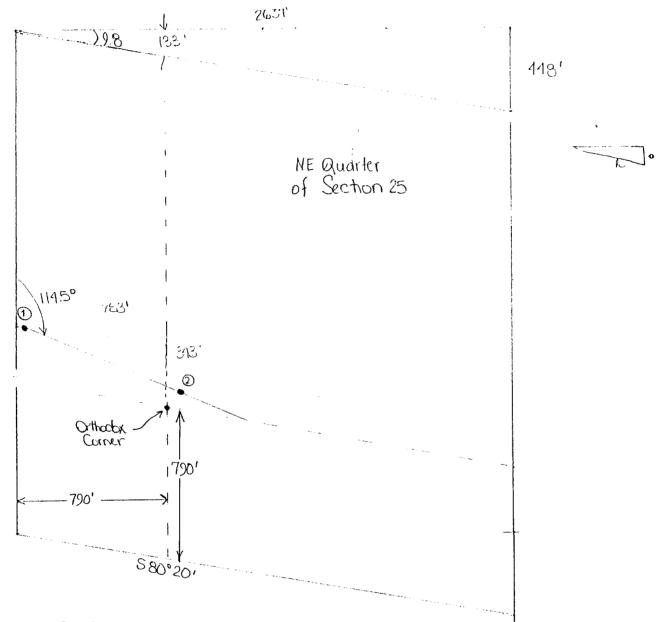
BY:BRAD BILYEU/BARRY PEISER 07/14/94

- input depths from form 46 in shaded areas to calculate coment volumes.

Amoco	<b>Production</b>	Company
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**ENGINEERING CHART** 

SUBJECT Carson Federal G :11:1



- @ Surface Location 1540' FNL & 2630' FEL Sec 25, T2BN, RAW Rio Arriba Co
- ② Point we cross legal lines at top of Picture Cliffs
  1750' FNL \$ 1,797' FEL (100' North of legal corner\$50' East)
- 3 End of build MD = 2762 (ND) (30°) KOP = 2162 MD 1574 FNL \$ 2488 FEL
- 24309'TVD
  (1) (Inticipated BUIL @1580'MD = 1782'TAL \$ 1651' FEL €

