		IN.IVI.(	J.U.L	. CUPY				
Form 9-331 C (May 1963)		IPLIC	Form approved. Budget Bureau No.	40 D1405				
C/SF	UNI	ctions of ide)						
DEPARTMENT OF THE INTERIOR 30-015-23636								
Jere I	GEOLO	GICAL SURVE	ΞY			NM-25692		
	N FOR PERMIT	TO DRILL, D	DEEPE	N, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TH	BIBE NAME	
1a. TYPE OF WORK		DEEPEN	7	PLUG BAG	~к 🗆	7. UNIT AGREEMENT NAME		
b. TYPE OF WELL							JAN 2 8 1931	
WELL W	AS OTHER			NGLE MULTIP NE ZONE		8. FARM OR LEASE NAME		
2. NAME OF OPERATOR	duction Component					Federal BR Com.	$\underline{O}$	
3. ADDRESS OF OPERATOR	duction Company					-	ARTISLATION	
P. O. Box	68 Hobbs, NM	88240		· · · · ·		10. FIELD AND POOL, OR WIL	DCAT	
4. LOCATION OF WELL (R At surface	eport location clearly and	in accordance wit.	h any S	· -		Wildcat Morrow		
	-HE FWL &	1980' FSL		01115	11 11 11 11 11 11 11 11 11 11 11 11 11	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zor	" (Unit L, NW/	4, SW/4, Se	<b>c.</b> 30	D) U.S. E. S. Marker,		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POST	OFFICE	· ALTESIA. [	-	12. COUNTY OR PARISH 13.	STATE	
	west of Carlsba	d, NM		2 - 1	الي ب دو <sup>ر</sup> . م	·	NM	
15. DISTANCE FROM PROPO LOCATION TO NEARES PROPERTY OB LEASE I	r		16. NO.	. OF ACRES IN LEASE		OF ACRES ASSIGNED		
(Also to nearest drlg 18. DISTANCE FROM PROF	z. unit line, if any)		19. PR	OPOSED DEPTH	20. BOT	320		
TO NEAREST WELL, D or applied for, on th		1		10,000		Rotary		
21. ELEVATIONS (Show wh					·····	22. APPROX. DATE WORK WI	LL START*	
4242.8' G						1-27-81	····	
23.	J	PROPOSED CASIN	G AND	CEMENTING PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	от	SETTING DEPTH		QUANTITY OF CEMENT		
17-1/2"	13-3/8"	48#		300'		ulate to surface		
<u>     12-1/4"    </u> 8-3/4"	<u> </u>	<u> </u>				back to 13 3/8		
0-5/4	5-172	$  1/\pi, 20\pi$	ł	10000		ent to 500' above E prox. 2510' from su		
will be r					n. Af	fter reaching TD, 1 necessary in attemp	ogs	
MUD PROGR/	AM: 0'- 300'	Native mud	and	fresh water			Alor and	
	300'-2000'	Native mud	and	brine de la				
	2000'- TD					num properties for		
				, will raise v orrow penetrati		ity and reduce wate	er	
	am Attached	1033 pi 101		from penetrati	011.			
	t dedicated gical survey at	tached.		9., •				
0+6-45615			usp	1-LBG 1	-W. St	afford, Hou		
IN ABOVE SPACE DESCRIBE	PROPOSED PROGRAM : If drill or deepen directions	proposal is to deep	en or pl	lug back, give data on pr	esent pro	ductive zone and proposed new ed and true vertical depths. G	productive ive blowout	
24.	1 9							
SIGNED SEN	ton free	TIT)	ле <u> </u>	Assist. Admin.	Analys	st date 1-15-81	<u> </u>	
(This space for Fede	ral or State office use)							
PERMIT NO.				APPROVAL DATE				
						IAN O O	1001	
APPROVED (Orig. Sga CONDITIONS OF APPROV	L) <u>PETTER W. CHE</u>	STER TITI	ACII	NG DISTRICT ENG	INEER	JAN 20	1901	
	, *							
					1	NS1 1-19	R	
		*See Instruc	ctions (	On Reverse Side	11		<b></b>	

## NEW MEXICO OIL CONSERVATION COMMISSION WF LOCATION AND ACREAGE DEDICATI PLAT

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Form C+102 Supersedes C+128 Effective 1+1-65

Ail distances must be from the outer boundaries of the Section.											
Operator Amoco Product	cion Co.		Lease F	ed. B.R. C	Well No.						
Unit Letter Secti	on Townshij	>	Range County								
L	30 22 5	outh	2	<u>3 Fast</u>	Edd	v County.	New Mexico				
Actual Foolage Location of Well:											
1102 feet from the West line and 1980 feet from the South line Ground Level Elev. Producing Formation Pool											
4242.8'	Morrow		1001	Wildo	at Morr	ow	Dedicated Acreage:				
	1. Outline the acreage dedicated to the subject well by colored pencil or hachure marker on free and the low of the low o										
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 interests of GEOLOGICAL SURVEY dated by communitization, unitization, force-pooling.etc?											
Yes 🗌	No If answer is	"yes," type of	f consol	idation <u>C</u>	ommunit	ization					
this form if nece	ssary.)		· · · · · · · · · · · · · · · · · · ·				ted. (Use reverse side of				
No allowable wi forced-pooling, c sion.	ll be assigned to the r otherwise) or until a	well until all a non-standard	interest l unit, e	s have been a liminating suc	consolidat ch interest	ed (by comm s, has been	nunitization, unitization, approved by the Commis-				
1426.3		7		1			CERTIFICATION				
LCT 1 43.25 Ac. Monsanto			H. A.R	Contraction of the second		tained here	ertify that the information con- ain is true and complete to the knowledge and belief.				
E-10191	Атосо		6666			Name Position	ton Green				
LOT 2 43.33 Ac. Amoco	NM-15854		TERED LN	D SUM		Company	i <u>st. Admin. Analyst</u> Production Company				
NM-13062		}		1			1-19-81				
LOT 3 43.39 Ac.	NOTE: The for the w lot l and are taken Dated Ap	dth of t the Sout	che no ch lin e U.S.	rth line he of lot	of 4	shown on th notes of a under my s	certify that the well location his plat was plotted from field ctual surveys made by me or upervision, and that the some d correct to the best of my and belief.				
LOT 4 43.39 Ac.	Coquina NM-25692					Date Surveye 1-8-8] Registered Pr and/or Land : 0-11	rofessional Engineer				
0 330 66D '90 13	20 1650 1980 2310 24	40 2000	1 600	1000 50		Certificate No	PATRICK A. ROMERO 6658 Roneid J. Eidson 3239				

- 1. BOP'S TO BE FLUID OPERATED.
- 2. BOP'S AND ALL FITTINGS MUST BE IN GOOD CONDITION AND PATED AT 3000 PSI W.P. MINIMUM.
- 3. EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AT LEAST AS LARGE AS CASING SIZE BEING DRILLED THROUGH.
- 4. NIPPLE ABOVE BOP'S SHALL BE SAME SIZE AS LAST CASING SET.
- 5. UPPER KELLY COCK IS REQUIRED AND SHALL BE 3000# W.P. MINIMUM.
- 6. T. I. W. OR COMPARABLE SAFETY VALVE SHALL BE AVAILABLE ON RIG FLOOR WITH CONNECTION OR SUBS TO FIT ANY TOOL JOINT IN THE STRING. VALVE TO BE FULL BORE 5000# MIN.
- 7. VALVE NEXT TO SPOOL SHALL BE 4". OTHER EQUIPMENT MAY BE 3" OR 4". ALL CHOKE MANIFOLD EQUIPMENT SHALL BE FLANGED. FLOW LINE FROM MANIFOLD TO BE MINIMUM OF 3" AND STRAIGHT AS POSSIBLE WITH MINIMUM BENDS.
- 8. FLUID LINES FROM ACCUMULATOR TO BOP'S AND ALL REMOTE CONTROL FLUID LINES SHALL BE STEEL, AND RATED AT OR ABOVE MAXIMUM ACCUMULATOR PRESSURE. LINES SHALL BE ROUTED IN BUNDLES AND ADEQUATELY PROTECTED FROM DAMAGE.
- 9. USE RAMS IN FOLLOWING POSITIONS:\*

	DRILLING	RUNNING CASING		
UPPER RAM	DRILL PIPE	CASING		
LOWER RAM	BLIND	BLIND		

\*AMOCO AREA SUPT. MAY REVERSE LOCATION OF RAMS.

- 10. CHOKE MANIFOLD, BEYOND SECOND VALVE FROM TO IS MAY BE OPTIONALLY POSITIONED OUTSIDE OF SUBSTRUCTURE.
- 11. EXTENSIONS AND HAND WHEELS TO BE INSTALLED AND BRACED AT ALL TIMES.
- 12. TWO INCH (2") LINES AND VALVES ARE PERMITTED ON THE KILL LINE.

NOTE: ALL UNMARKED VALVES MAY BE PLUG OR GATE ₩ALVE, METAL TO METAL SEAL.



AMOCO PRODUCTION COMPANY

Attachment to "Application for Permit to Drill", Form 9-331 C

Federal "BR" Com No. 1 110**9** FWL & 1980' FSL, Section 30 Township 22-S, Range 23-E Eddy County, New Mexico

1. Location

1

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Permian

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6.	Estimated tops	s of imp	ortant geologic mar	kers.
	Glorietta	1900'	Atoka	8855'
	Bone Springs	3010'	Middle Morrow	9535'
	Wolfcamp	6130'	Barnett	9865'
	Strawn	8647'		

7. Estimated depths at which anticipated water, oil, gas or other mineralbearing formations are expected to be encountered.

Middle Morrow 9535'

8. Proposed casing program, including size, grade, and weight of each string and whether it is new or used.

<u>Depth</u>	<u>Size</u>	Weight	Grade	New or Used
300'	13 3/8"	48#	H-40	New
2000'	9 5/8"	36#	H-40	New
10000'	5 1/2"	17#, 20#	K-55, N-80 <sup>~</sup>	New

9. Proposed cementing program.

- 13 3/8" Circulate to surface
- 9 5/8" Circulate to surface 5 1/2" Cement to 500' above Bone Springs (Approx. 2510' from surface)

- 10. Blowout Preventer Program is attached.
- 11. Type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling, and the quantities and types of mud and weighting material to be maintained.
  - 0-300' Native mud and fresh water 300-2000' Native mud and brine
  - 2000-TD Commercial mud and brine with minimum properties for safe hole conditions. Will raise viscosity and reduce water loss prior to Morrow penetration.
- 12. Testing, logging and coring programs to be followed with provisions made for required flexibility.

Compensated neutron formation density Dual laterolog-micro SFL

13. Any anticipated abnormal pressure or temperatures expected to be encountered or potential hazards, such as hydrogen sulfide gas, along with plans for mitigating such hazards.

None anticipated

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14. Anticipated starting date and duration of operation.

1-29-81 3-5-81

15. Other facets of the proposed operation operator wishes to point out for the Geological Survey's consideration of the application.

Request exemptions from the painting stipulations of Sec. 102 (a) (8) of the "Federal Land Policy and Management Act of 1976" to paint any tanks, separators, and treaters required for the production of this well, Amoco's standard gray color. If a pumping unit is required for the continued production of this well, it will be painted black with orange safety color coding which conforms with your current painting guidelines. Amoco Production Company <u>Proposed Development Plan for Surface Use</u> Federal "BR" Com. No. 1 1102 FWL & 1980' FSL, Section 30 T-22-S, R-23-E, Eddy County, New Mexico

1. Existing roads including location of exit from main highway.

Detailed map showing drillsite location in relation to the nearest town and all existing roads within one mile of the wellsite are shown on Exhibit A. Go 12 miles north of Carlsbad on Highway 285. Turn west on County Road 137. Go 17.8 miles and turn right on caliche road. Go 3.9 miles to access road.

2. Planned access roads.

N

Access road runs 1.2 miles to location.

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- Location of existing wells.
   All existing well within one mile radius are shown on Exhibit C.
- 4. Location of tank batteries and flow lines

If the well is commercially productive, the production facilities (i.e. tanks. seperators, & treaters) will be located on existing pad.

5. Location and type of water supply.

Fresh & brine water to be hauled by commercial hauler.

- 6. Source of construction materials. Caliche will be obtained from a pit located in the SW/4 SW/4, Sec. 28, T-22-S, R-23-E. Pit has been approved by Tom Zales/BLM, Carlsbad.
- 7. WASTE DISPOSAL
  - a. Drill cuttings will be disposed of in the reserve pit.
  - b. Drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry.

- c. Trash, waste paper, garbage and junk will be burned or buried with a a minimum fo 24" cover. Waste material will be contained to prevent scattering by wind prior to ultimate disposal.
- d. Any produced water will be contained in tanks and be disposed of in an approved manner. Oil produced will be stored in tanks until sold, at which time it will be hauled from location.
- e. Current laws and regulations pertaining to disposal of human waste will be complied with.
- f. If productive, maintenance waste will be placed in special containers and buried or hauled away periodically.

## 8. ANCILLARY FACILITIES-

No camps, airstrips, etc. will be constructed.

#### 9. WELLSITE LAYOUT-

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- a. Size of Drilling Pad 330' x 210' x 6"
- b. Compacted Caliche
- c. Surfaced No
  d. '450' square area around wellsite has been cleared by archaeologist.
- e. See Exhibit "D".

### 10. RESTORATION OF SURFACE-

Producing Well - all pits will be cut, filled, and leveled as soon as practical to original condition with rehabilitation to commence following removal of drilling and completion equipment. Rehabilitation to be completed in 180 days if possible.

Dry Hole - same as above with dry hole marker to be installed and surface reseeded if required.

#### OTHER INFORMATION-11.

- a. Terrain - Undulating plain
- Soil- Sandy loam b.
- c. Vegetation- Fourwing saltbrush, broom snakeweed, mesquite, soaptree yucca,
- d. Surface Use- grazing
- e. Ponds and Streams none
- f. Water Wells none
- g. Residences and Building none
- h. Arroyos, Canyons, etc. near Dunnaway Draw
- i. Well Sign Posted at drill site
- j. Open Pits All pits containing liquid or mid will be fenced
- k. Archaeological Resources none found

sumal, bush muhly, hairy grama, Western wheatgrass, sideoats grama engleman prickly pear

# 12. OPERATOR'S REPRESENTATIVE -

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Field personnel responsible for compliance with development plan for surface use is:

6. - A

J. H. Hankins, Drilling Supervisor P. O. Box 68 Hobbs, NM 88240 Office Phone: (505) 393-2167 LEASE & WELL NUMBER NM-25692, Federal "BR" Com. Well No. 1

LOCATION 1107 FWL & 1980' FSL, Section 30, T-22-S, R-23-E Eddy County, New Mexico

Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in Item No. 12 of the plan.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by AMOCO PRODUCTION COMPANY and its contractors and subcontractors in comformity with this plan and the terms and conditions under which it is approved.

January 15, 1981

DATE

Drilling Supervisor

NAME AND TITLE



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