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(May 1963)	UNF	LED STATES	5	(Other instru reverse :		5	No. 42-R1425.
C/SF File V	DEPARTMEN			7		30-015- 5. LEASE DESIGNATION	
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	ucing Company 🗸	/				SCL Federal	
3. ADDRESS OF OPERATOR						1	O . C. D.
P.O. Box 1	10340 Midland,	Texas 79	9702			10. FIELD AND POOL, OF	ARTESIA, OFFICE
4. LOCATION OF WELL (F At surface	Report location clearly and	l in accordance wit	th any State 1	requirements.*)		Wildcat	
	a 330 FWL of Sec	ction 1			vit M	11. SEC., T., B., M., OR B AND SURVEY OR ARI	LK. EA
530' FSL 8	330' FWL			1/1	y de la	Sec. 1, T-22	
	and Direction FROM NEA East of Carlsbac			-		12. COUNTY OR PARISH	
5. DISTANCE FROM PROP		, New Mexic		ACRES IN LEASE	17 10	Eddy	New Mexico
LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest drl	T LINE, FT.	330'	647.58			US WELL 40	
15. DISTANCE FROM PRO TO NEAREST WELL, 1 OR APPLIED FOR, ON TH	ORILLING, COMPLETED,	None	19. PROPOSE 4800 '	d depth	1	RY OR CABLE TOOLS	
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROS. DATE WOL	K WILL START*
		3550.6 GR				January 31,	1981
23.		PROPOSED CASH	NG AND CEN	MENTING PROGR	RAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER P	00 T	SETTING DEPTH		QUANTITY OF CEMEN	T
12¼" 7 7/8"	8 5/8" 5 1/2"	24.00# 14.00#		500' 4800'		sxs Circulate C sxs CIRCULANE	RCULATE
					`		

Proposal is to drill a well to adequately test the Delaware formation. Cement will be circulated to surface on the 8 5/8" surface string.

Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements.



Natural gas on this lease is not dedicated.

STATE DESCRIPS DECENSED PROMETATI If proposal is to deepen or oldy lack, give data on present productive zene and proposed new productive If proposal is to drill or derpen directionalic, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout oventer pregram, if any.

NO Malutianes				
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SOUTINES	10108	· · · ·)ATB	

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NE MEXICO OIL CONSERVATION COMMISS: WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C -1	
Supersede	• C-128
Effective	1-1-65

Operator		All distances must be fr	om the outer boundaries of the Se	ction	
•	ogo Produc	ing Corp.	SCL Federa	1	Welthe. 1
'nit Letter	Ser tir n	To works ();	França en se se	· · ·	
M atual Foctage Li	cation of Well;	22 South	31 East	Eddy	
530	feet from the	South line and	330 test from	the West	.toe
rcund Level Ele 3550.6	v. Froducing	DELAWARE	WILDCAT	De	40 .
1. Outline	the acreage ded	icated to the subject we	ll by colored pencil or hac	hure marks on the p	lat below.
2. If more	than one lease		outline each and identify		
interest	and royalty).				
3. If more t dated by	han one lease o communitization	f different ownership is d , unitization, force-poolin	edicated to the well, have g. etc?	the interests of all	*
Yes	No I	f answer is ''yes,'' type of	our all dation		
[] 103		ranswer is yes, type of	consolidation	ROSWELL, NEW	MFXICO
If answer	r is "no," list th	ne owners and tract descr	iptions which have actually	y been consolidated	. (l'se reverse side of
this form	if necessary.)_				
No allows	able will be assi	gned to the well until all	interests have been conso	lidated (by commun	itization, unitization,
sion.	oiing, or otherwis	se) or until a non-standard	unit, eliminating such inte	erests, has been app	proved by the Commis-
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			1	JANUAR	(28, 1981
	1			I hereby certi	fy that the well location
	I				plat was plotted from field
	f 1			notes of actua	I surveys made by me or
	ł		CKA. ROM	under my super	vision, and that the same
	1	1	RICK A. ROMAN	is true and c	orrect to the best of my
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United States Department of the Interior

GEOLOGICAL SURVEY South Central Region P. O. Box 26124 Albuquerque, New Mexico 87125

JAN 2 9 1981

Pogo Producing Company Post Office Box 10340 Midland, Texas 79707 FEB 05 Pat

sig 21.*****2

Gentlemen:

Your Application for Permit to Drill well No. 1 SCL Federal in the SW4SW4 sec. 1, T. 22 S., R. 31 E., H.M.P.M. Eddy County, New Mexico, lease NM-12845, to a depth of 4,800 fast to tast the Delsware formation in the Oil Potash area, is hereby approved, as amended by stipulations attached to the application.

One copy of the application is returned herewith. Please notify the District Supervisor, Geological Survey, Roswell, New Mexico, in sufficient time for a representative to witness all cementing operations.

Sincerely yours,

(ORIG. SED.) GENE F. DANIEL

Deputy Conservation Manager 011 and Gas

Enclosure

cc: <u>NMOCD, Artesia</u> (2) (w/enclosures) CM, SCR DCM-Mining (2)



ONE HUNDRED YEARS OF EARTH SCIENCE IN THE PUBLIC SERVICE

APPLICATION FOR DRILLING

Pogo Producing Company

SCL Federal No. 1

Eddy County, New Mexico

In conjuction with permitting the captioned well for drilling in Section 1, T-22-S, R-31-E, Eddy County, New Mexico, Pogo Producing Company submits the following information in accordance with U.S.G.S. (NTL-6) letter dated July 1, 1976.

1. The surface formation is Quaternary sand and gravel.

2. Estimated tops of geologic markers as follows:

Rustler Anhydrite	-	450 '
Salado Salt	-	2250 '
Castile Anhydrite	-	3860'
Delaware Lime	-	4500'
Delaware Sand	-	4575'

- 3. The depth at which oil, gas or water is expected is: 4575'
- 4. Casing Program and Cement:
 - 8 5/8" 24.00# K-55 STC @ 500' w/500 sxs Cl C w/2% CaCl plus ¼# flocele per sk.
 - 5 1/2" 14# K-55 STC @ 4800' w/600 sxs LT w/¼# flocele plus 5# gilsonite per sk plus 200 sxs Cl C w/2% CaCl.
- 5. Circulating Medium:

An earthen pit will be used to hold cuttings. The drilling mud program will be native mud w/Aquagel added for stabilization.

- 6. Adequate electrical and resistivity logs will be run from total depth to the base of the surface casing at 500', the gamma ray will be run to the surface.
- 7. A strong water flow may be encountered at approximately 3300'. Adequate equipment will be in service to contain the water flow so as to pose no drilling hazard. No abnormal temperatures or additional hazards are expected to be encountered.
- 8. The anticipated starting date is January 31, 1981 with the completion expected by March 31, 1981.
- 9. Blowout prevention equipment will consist of a control head and oil saver.

CASING DESIGN

CASING SIZE	SETTING E	DEPTH TO	WEIGHT	GRADE	JOINT
8-5/8"	0	500	24#	K-55	STC
5-1/2"	0	4800	14#	K-55	STC

U GEOLOGICAL SURVEY

SURFACE USE AND OPERATIONS PLAN

FOR

POGO PRODUCING COMPANY
WELL NO. 1 SCL FEDERAL530'FSL & 330'FWL SEC. 1, T.22 S., R.31 E.
EDDY COUNTY, NEW MEXICO

LOCATED: 29 air miles east of Carlsbad, New Mexico.

FEDERAL LEASE NUMBER: NM-12845.

RECORD LESSEE: Exxon.

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LEASE ISSUED: February 1, 1971. Lease expiration date is January 31, 1981, and it is intended that diligent drilling operations will be in progress over such date.

ACRES IN LEASE: 647.58.

SURFACE OWNERSHIP: Federal.

<u>GRAZING PERMITTEE</u>: Kenneth Smith P. O. Box 764 Carlsbad, New Mexico 88220

POOL: Wildcat.

POOL RULES: Statewide.

EXHIBITS:A.Road Map B.Plat Showing Existing Wells and Existing Roads C.Drilling Rig Layout

MULTIPOINT SURFACE USE AND OPERATION PLAN

Pogo Producing Company

SCL Federal No. 1

530' FSL & 330' FWL, Section 1, T-22-S, R-31-E

Eddy County, New Mexico

This plan is submitted with the Application For Permit To Drill the captioned well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of drilling operations.

1. Existing Roads:

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Existing roads in the vicinity of the planned well are shown on Exhibit A, attached. The well is located 28 miles East of Carlsbad, New Mexico.

No additional improvement or maintenance of existing roads will be required.

2. Planned Access Roads:

An access road approximately 230' long by 12' wide will be constructed due East from an existing road running North and South on the West side of Section 1. See Exhibit A.

- 3. Location of Existing Wells:
 - A. Getty Oil Company Federal 24 No. 1 approximately 2¹/₂ miles SSE. Completed waiting on pipeline connection.
 - B. Getty Oil Company No. 1 Getty 32 State approximately 3 miles NE. Drilling.
 - C. Pogo Producing Company Federal No. 1 approximately 2.6 miles NNW. Temporarily abandoned, proposed re-entry.
- 4. Location of Existing and/or Proposed Facilities:

There are no existing facilities on the lease at present. If production is established, producing facilities and a tank battery will be constructed on the drilling pad and no additional surface disturbance will be required.

5. Location and Type of Water Supply:

Water used in the drilling of the well will be purchased and trucked to the wellsite over existing roads as shown on Exhibit A.

6. Source of Construction Materials:

Construction materials will be native rock and gravel obtained from a quarry in Section 12. See Exhibit A. Location of the caliche pit is Pogo Producing Company SCL Federal No. 1 Sec. 1, T-22-S, R-31-E Eddy County, New Mexico

on Federal land in the NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 12, T.22 S., R.31 E., Eddy County, New Mexico. Caliche will be trucked to the well site over existing and proposed roads.

Page 2.

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- 7. Method of Handling Waste Disposal:
 - A. Drill cuttings will be disposed of in the drill cutting pit.
 - B. Drilling fluids will be allowed to evaporate in the drilling pit. Oil produced during tests will be stored in steel test tanks until sold. Water produced during tests will be disposed of in the drilling pit.
 - C. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of trash pit is shown on Exhibit C.
 - D. All trash and debris will be buried or removed from the wellsite within 30 days after cessation of drilling or completion operations.

8. Ancillary Facilities:

None required.

9. Well Site Layout:

- A. Exhibit C shows the relative location and dimensions of the well pad, drill cuttings pit, trash pit and major rig components.
- B. The proposed well site is situated in rolling sand dunes which will be levelled with the excess dirt used on the edge of the pad and access road.
- C. The pad and access road have been staked and flagged.
- 10. Plans For Restoration of the Surface:

- A. After completion of drilling and/or completion operations, all equipment and other materials not needed will be removed. Pits will be filled after sufficient drying time and the location cleaned of all trash and junk to leave the well site in an aesthetically pleasing condition.
- B. All unguarded pits containing fluids will be fenced until filled.
- C. After abandonment of the well, surface restoration will be in accordance with the BLM regulations. Rehabilitation will be accomplished within 90 days after abandonment.

Pogo Producing Company SCL Federal No. 1 Sec. 1,, T-22-S, R-31-E Eddy_County, New Mexico

Page 3.

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- 11. OTHER INFORMATION:
 - A. <u>Topography</u>: Land surface in the area is undulating and duny, but relatively level at the well site. Regionally, land slope is to the west.
 - B. Soil: Top soil at the well site is sand.
 - C. <u>Flora and Fauna</u>: The vegetative cover is sparse and consist of mesquite, yucca, shinnery oak, weeds and range grasses. Wildlife in the area is that typical of semi-arid desert land and includes coyotes, rabbits, rodents, reptiles, dove and quail.
 - D. <u>Ponds and Streams</u>: There are no rivers, lakes, streams or ponds in the area.
 - E. <u>Residences and Other Structures</u>: There are no occupied dwellings or windmills within two miles of the proposed well site.
 - F. Archaeological, Historical or Other Cultural Sites: None observed in the area.
 - G. Land Use: Grazing and hunting in season.
 - H. Surface Ownership: Federal.

The present grazing lessee is: Mr. Kenneth Smith P. O. Box 764 Carlsbad, New Mexico 88220

12. Operator's Representatives:

W. E. Barnes 3778 Maple Odessa, Texas 79762 Home phone - (915)-362-7935
B. J. Williams Suite 408 Blanks Building P.O. Box 10340 Midland, Texas 79702 Office phone - (915)-682-6822

Home phone

- (915)-694-2215

Pogo Producing Company SCL Federal No. 1 Sec. 1, T-22-S, R-31-E Eddy County, New Mexico

Page 4.

13. Certification:

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 Pogo Producing Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

January 27, 1981 Date

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B. J. Williams Division Operations Manager Pogo Producing Company



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