

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-025-31053

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Oryx Energy Company

3. ADDRESS OF OPERATOR

P.O. Box 1861, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

At proposed prod. zone E, 1880' FNL & 660' FWL

1830

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

30 miles West from Hobbs

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

1880

16. NO. OF ACRES IN LEASE

1,114.15

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1st Well

19. PROPOSED DEPTH

7500

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3967.0' GR 3968.5'

22. APPROX. DATE WORK WILL START*

Upon Approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5#	400'	420 SXS "C" to Surface
12 1/4"	8 5/8"	24 & 32#	3200'	1600 SXS "C" to Surface
7 7/8"	5 1/2"	15.5#	7350'	1300 SXS Lite & C to Surface

Lease Description: T-18-S, R34E
Sec. 19: Lots 1,2,E/2 NW/4, E/2 SE/4.

T-185-R33E
Sec. 13: NW/4, W/2 SW/4, SE/4 SW/4.
Sec. 14: W/2 NE/4, NW/4 SE/4;
Sec. 22: SE/4 NE/4, W/2 E/2.
Sec. 23: SE/4 SE/4
Sec. 24: E/2 E/2, NE/4 NW/4, SW/4 SW/4
Containing 1,114.15 acres, more or less.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Maria L. Perez TITLE Proration Analyst DATE 10-23-90

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY TITLE DATE 11-1-90

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

*See Instructions On Reverse Side

RECEIVED

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

NOV 1963
FBI

OIL CONSERVATION DIVISION

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

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

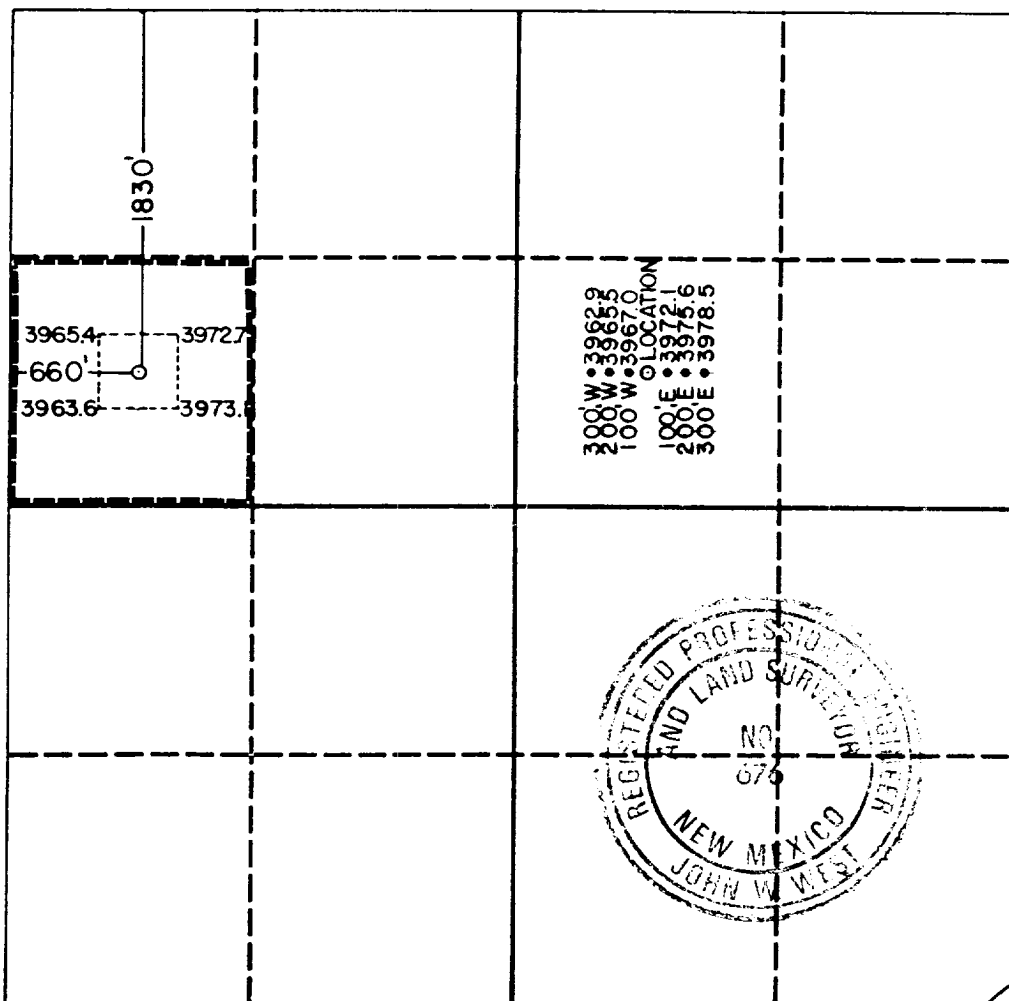
DISTRICT III
1000 Rio Bonito Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ORYX ENERGY CO.		Lease McAlpine Federal		Well No. 1
Unit Letter E	Section 19	Township 18 South	Range 34 East NMPM	County Lea
Actual Footage Location of Well: 1830 feet from the North line and 660 feet from the West line				
Ground level Elev. 3968.5	Producing Formation San Andres	Pool Wildcat		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
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.?
☐ Yes ☐ No If answer is "yes" type of consolidation voluntary Pooling
- If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____
- 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 is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name _____

Maria L. Perez

Position

Proration Analyst

Company _____

Oryx Energy Company

Date:

10-31-90

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

October 30, 1990

Signature & Seal of Professional Surveyor

John W. West
Certificate No. JOHN W. WEST,
RONALD J. EIDSON.

Certificate No.	JOHN W. WEST,	6766
	RONALD J. EIDSON,	3239

TEN POINT DRILLING PLAN FOR MCALPINE #1
IN COMPLIANCE WITH ORDER NUMBER 1

ORYX ENERGY COMPANY
MCALPINE #1
SEC. 19, T18S, R34E
1880' FNL & 660' FWL
LEA COUNTY, NEW MEXICO

1) GEOLOGIC SURFACE FORMATION: QUATERNARY

2) ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

RUSTLER	1690
TOP SALT	1800
BTM SALT	3000
YATES	3200
SEVEN RIVERS	3650
QUEEN	4380
GRAYBURG	4850
SAN ANDRES	5250 *
DELAWARE	6400 *

3) ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS, OR MINERALS:
FORMATIONS POSSIBLY PRODUCTIVE WITH OIL OR GAS ARE INDICATED
WITH AN ASTERISK (*) IN ABOVE SECTION 2.

4) PROPOSED CASING PROGRAM:

SIZE	CASING SEAT	FOOTAGE	GRADE	WEIGHT & CONNECTION
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13 3/8	400	400	K-55	54.5# ST&C
8 5/8		2200	K-55	24.0# ST&C
8 5/8	3200	1000	K-55	32.0# ST&C
5 1/2	7350	7350	K-55	15.5# LT&C
2 7/8	7300	7300	J-55	6.5# 8RD

5) PROPOSED CEMENTING PROGRAM:

13 3/8" CEMENT TO SURFACE WITH 420 SX. CLASS "C" + 2% CaCl₂

HOLE VOLUME: 347 cu. ft.
CMT YIELD: 1.32 cu. ft./sx.
PERCENT EXCESS: 100%

8 5/8" ATTEMPT TO CEMENT TO SURFACE IN ONE STAGE USING
1300 SX. HOWCO LITE CLASS "C" + 10% SALT +

EXHIBIT #D1
400' - 7350'
3000 psi

