

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Artesia, NM 88210

(other instructions on  
reverse side)

30-005-63329

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

McKay Oil Corporation

3. ADDRESS OF OPERATOR

P.O. Box 2014, Roswell, New Mexico 88202

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

At surface

1116'FWL and 2333'FSL

At proposed prod. zone

same

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

25 mile north of Roswell, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1116'

16. NO. OF ACRES IN LEASE

2520.0

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

2 miles

19. PROPOSED DEPTH

3400'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

4162' GL

22. APPROX. DATE WORK WILL START\*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0 J-55	900±	850 cf cement circulated
7 7/8"	4 1/2"	10.5 J-55	TD	1200 cf cement including
				480 cf to tie in 4 1/2" to
				8 5/8" from 1500' to 800'

We propose to drill and test the Abo formation. Approximately 900' of surface casing will be set and cemented to surface. If commercial, 4 1/2" production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: See Supplemental Drilling Data which is attached.

BOP PROGRAM: BOP will be installed on 8 5/8" casing and tested daily.

Gas is not dedicated.

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 bleed-off or plugback program, if any.

24.

SIGNED

*Jim Schultz*

TITLE

Landman

DATE

4-28-86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

S/Phil Kirk

TITLE

Area Manager

DATE

5-8-86

CONDITIONS OF APPROVAL, IF ANY:

*Need NGL*



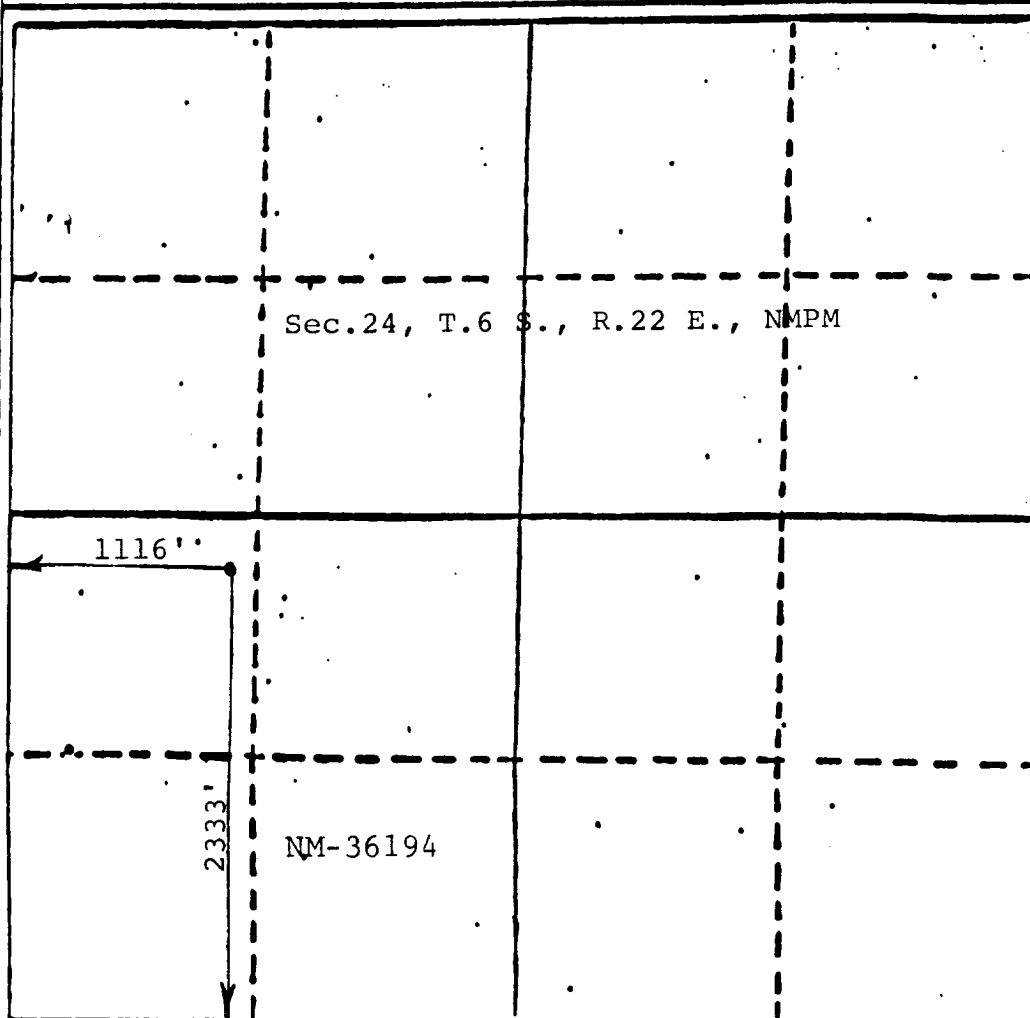
All Distances must be from the outer boundaries of the Section.

Operator McKay Oil Corp.		Lease South Four Mile Draw Fed.		Well No. #2
Unit Letter L	Section 24	Township 6 South	Range 22 East	County Chaves
Actual Footage Location of Well 2333 feet from the South line and 1116 feet from the West line				
Ground Level Elev. 4162	Producing Formation Abn	Pool W. Pecos Slope Abn	Dedicated Acreage 160	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plot 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 interests of all owners been consolidated by communization, unitization, force-pooling, etc?
- ☐ Yes ☐ No - 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 this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*James L. Schultz*  
Name  
James L. Schultz

Position  
Landman

Company  
McKay Oil Corp.

Date  
4-28-86

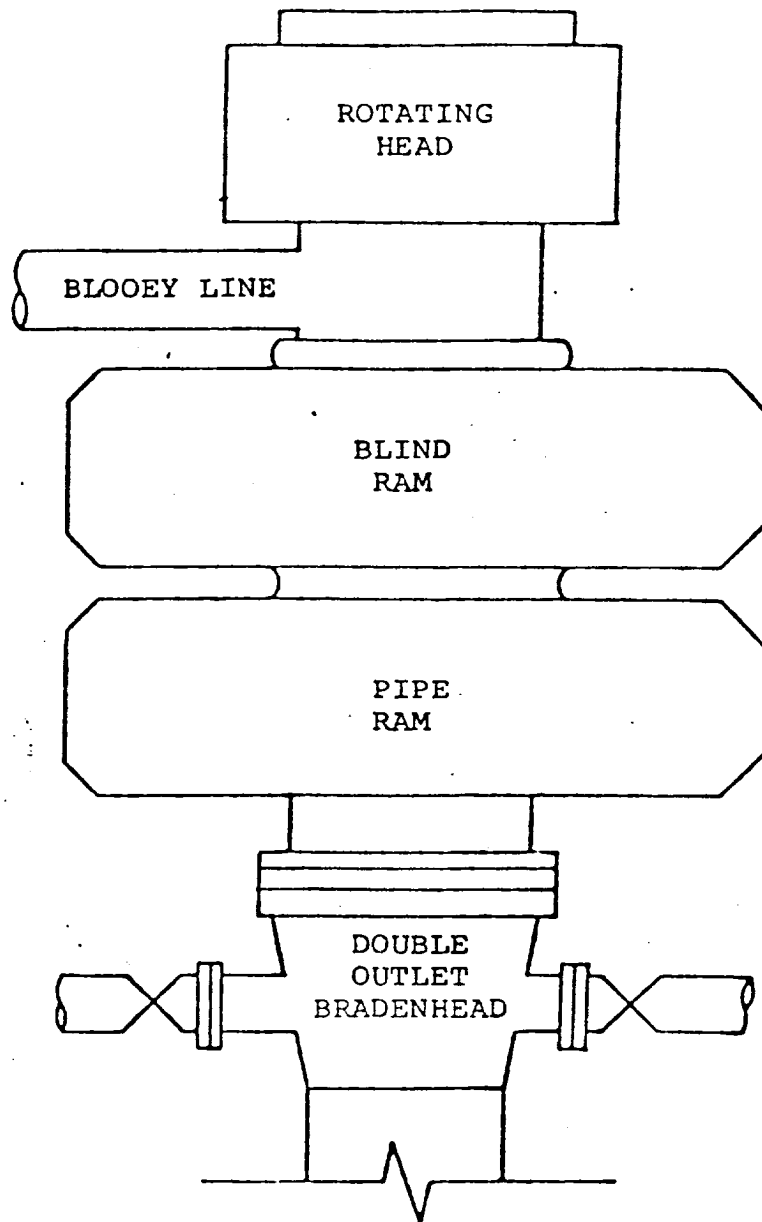
I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed or Lapsed  
March 28, 1986

Registered Professional Engineer and/or Land Surveyor  
6290

*John D. Sullivan, P.E. & L.S.*  
Certification No. PROFESSIONAL  
6290

MCKAY OIL CORPORATION  
South Four Mile Draw Fed. #2  
NW/4SW/4 Sec. 24-6S-22E  
Chaves County, New Mexico



BOP STACK

3000 PSI WORKING PRESSURE

SUPPLEMENTAL DRILLING DATA

McKAY OIL CORPORATION  
South Four Mile Draw Fed. #2  
NW1/4SW1/4 Sec.24-6S-22E  
Chaves County, N.M.

NM 36194

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: San Andres
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

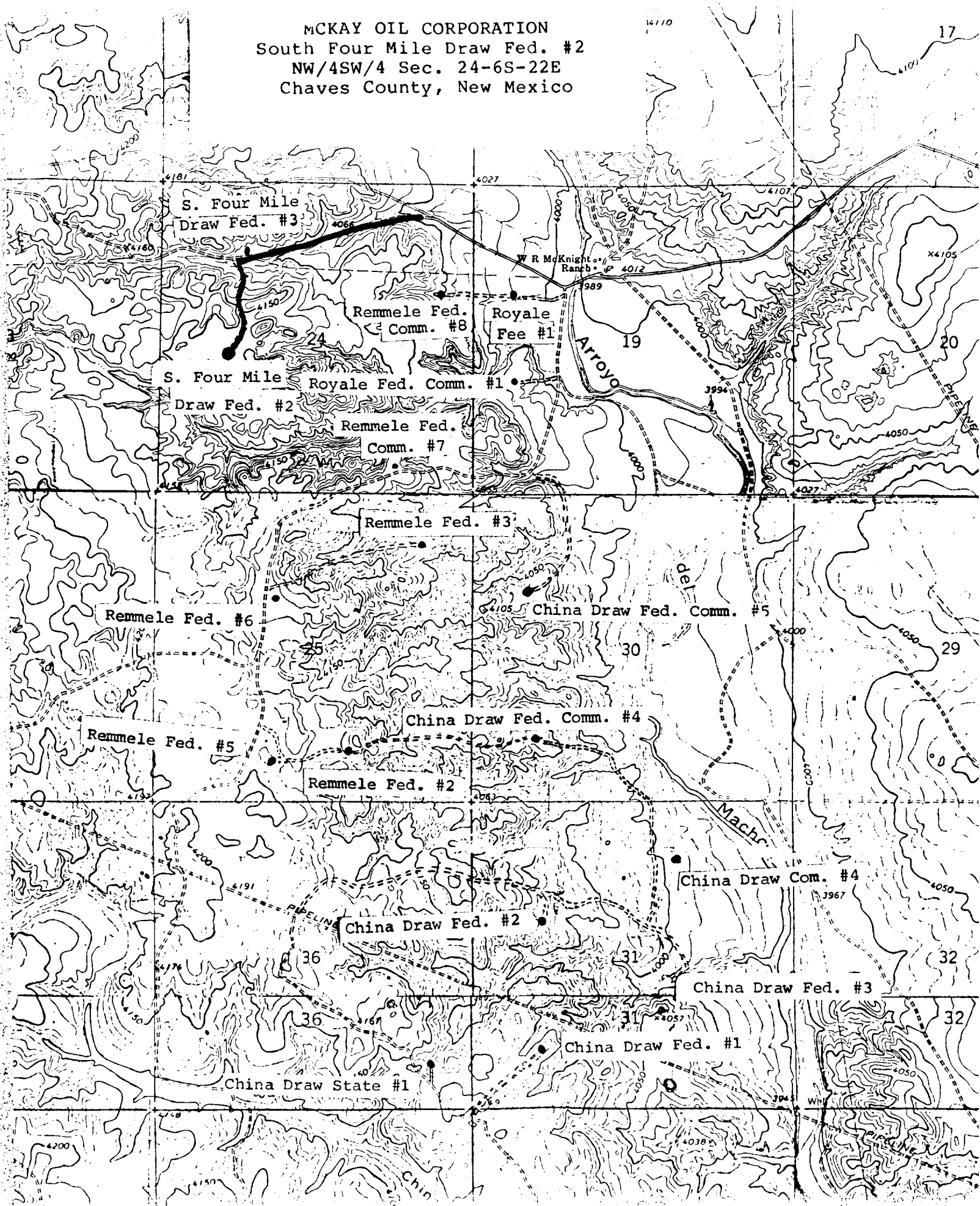
Yeso	- 715'
Tubb	- 2243'
Abo	- 2923'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATION:

Fresh water	- In surface formations above 600'
Gas	- In Abo formation below 2923'
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM:

0'- 600'	Lime and gel, spud mud, viscosity 32 to 34 seconds.
600'- 2800'	Fresh water
2800'- TD	Start mudding up at 2800'; viscosity 36 to 38 seconds; water loss 10 cc or less; 3-5% Diesel; 2 KCL

Mud additives will be used to control water loss.
7. AUXILIARY EQUIPMENT: full-opening drill string safety valve fit the drill string in use, will be kept on the rig floor at all times.

MCKAY OIL CORPORATION  
South Four Mile Draw Fed. #2  
NW/4SW/4 Sec. 24-6S-22E  
Chaves County, New Mexico



New Access Road Existing Road

Exhibit "B"

Site plan of the 200' x 280' plot showing building footprints 1 through 12. The plot dimensions are 200' (vertical) and 280' (horizontal). Building 1 is a central structure with a cross symbol. Building 9 is a large rectangle at the top. Building 11 is at the bottom. Dimensions are provided for various buildings and the overall plot.

Building Number	Dimensions (ft)	Location / Notes
1	~100' x ~40'	Central building with a cross symbol
2	~40' x ~20'	Attached to the right side of Building 1
3	~40' x ~60'	Attached to the bottom of Building 2
4	~20' x ~20'	Attached to the bottom of Building 1
5	~80' x ~20'	Two identical buildings side-by-side, above Building 1
6	~20' x ~20'	Two identical buildings side-by-side, to the left of Building 1
7	~40' x ~20'	Single building, to the left of Building 6
8	~20' x ~20'	Single building, to the left of Building 6
9	90' x 80'	Large building at the top of the plot
10	8' x 8'	Two small square buildings, one on each side of Building 9
11	~80' x ~20'	Single building at the bottom of the plot
12	~10' x ~10'	Small rectangular building, to the right of Building 5

1. Substructure	7. Water Tank	Access
2. Catwalk	8. Light Plant	
3. Pipe Rack	9. Reserve Pit	
4. Doghouse	10. Trash Pit	
5. Mud Pits	11. Trailer House	
6. Mud Pumps	12. Production Facilities	