

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-045-24232

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

Koch Industries, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2256, Wichita, Kansas 67201

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

At surface

1100' FWL & 1800' FSL (NE NW)
NW SW

At proposed prod. zone

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

15 miles South and East of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

1100'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

5

320

18. DISTANCE FROM PROPOSED LOCATION*

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

1000'

19. PROPOSED DEPTH

6800'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 5819'

22. APPROX. DATE WORK WILL START*

March 4, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	10-3/4"	40.5#	200'	250 sx. circulate
8-3/4"	7"	23#	2900'	450 sx.
6-1/4"	4-1/2"	10.5#	6800'	250 sx.

1. Set new 10-3/4" 40.5# K-55 ST&C casing at 200'. Pressure test to 1,000#. Cement with enough cement to circulate it to surface. Wait on cement 24 hours.
2. Drill with native mud to approximately 1800'. Mud up with Gel-Benex type mud and drill thru the Pictured Cliff formation (2252-2900') Set 7" 23# K-55 ST&C casing at 2900'. Cement with enough cement to cover the Ojo Alamo and Pictured Cliff formation. Wait on cement 12 hours. Pressure test 7" casing to 3,000 PSI before drilling out.
4. A double pipe and blind ram B.O.P. will be used. B.O.P. will be checked each tower and blinds ran each trip.
5. Drill 6-1/4" hole with gas to total depth. Set and cement 4-1/2" K-55 10.5# new casing from total depth to surface. Enough cement will be used to cover the Dakota and Mesa Verde formations.
6. Wellhead equipment will consist of 3,000# working pressure.
7. Anticipated bottom hole pressure at total depth maximum 2500#, no abnormal pressures anticipated. *gas not electrified*

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 blow out preventer program, if any.

24.

SIGNED

Thomas J. Gault

TITLE

Asst. Operations Manager

DATE

February 6, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*ok Galt*APPROVED
AS AMENDEDMAR 7 1980
JAMES F. SIMS
DISTRICT ENGINEER

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 plats, 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.

8. Aux. and B.O.P. equipment on rig as follows:

- A. Double Ram Blow-out preventor.
- B. Kelly cocks
- C. Rotating drilling head.
- D. Kill valve on rig floor.

9. Complete well in the Dakota formation by perforating and frac with gelled Kcl water and sand.

EXHIBITS ATTACHED:

- A. Location and elevation plat.
- B. Ten point preventor Diagram
- C. Blow-out preventor Diagram
- D. Multi-point requirement for surface use.
- E. Access road map into location
- F. Proposed access roads and radius map of well in area.
- G. Drill pad layout and contours, cut-fill sections.
- H. Drill rig & production facilities lay out.

All distances must be from the outer boundaries of the Section

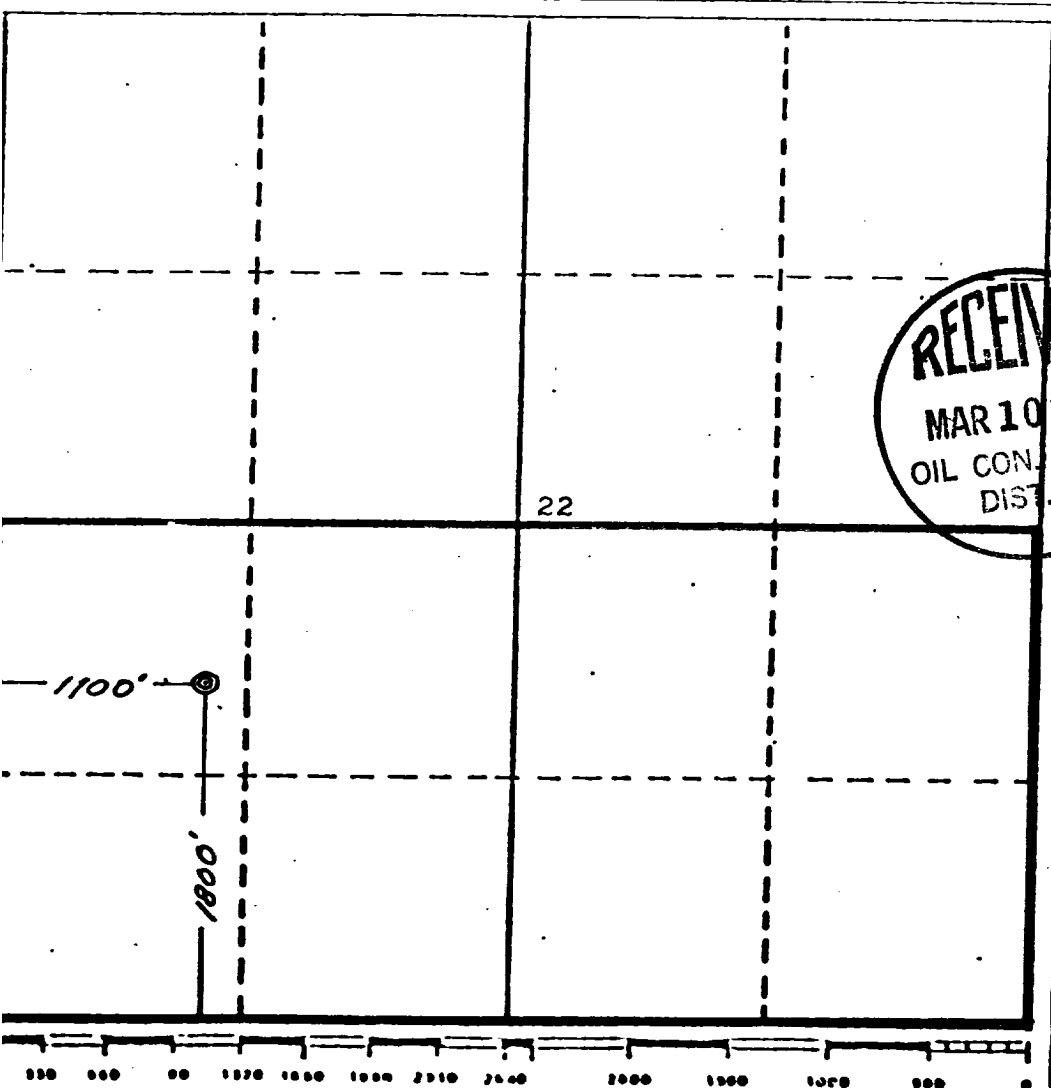
Operator KOCH INDUSTRIES, INC.			Lease O. L. DRYDEN		Well No. 2
Unit Letter L	Section 22	Township 28 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Wells 1800 feet from the SOUTH line and 1100 feet from the WEST line					
Ground Level Elev. 5819	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreages S 320 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 interests of all owners been consolidated by communitization, 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 communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.

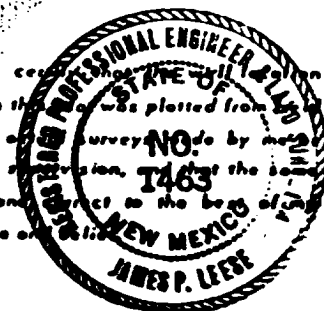


CERTIFICATION

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

Name
Vernon J. Lowe
Position
Asst. Operations Manager
Company
KOCH INDUSTRIES, INC.
Date
February 6, 1980

I hereby certify that the information shown on this plat was plotted from notes of a survey made by me under my supervision, and that the same is true and correct to the best of my knowledge and belief.



Date Surveyed
January 24, 1980

Registered Professional Engineer and/or Land Surveyor
James P. Leese

Certificate No.
1463