

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

1155' FNL & 1039' FWL

At proposed prod. zone

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

Approx. 20 miles NE of Bloomfield, N.M.

10. DISTANCE FROM PROPOSED*

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

1039'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

N/271.25

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.Appr. 1980'
north west

19. PROPOSED DEPTH

6100'

20. ROTARY OR CABLE TOOLS

Rotary

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

6640' GR

22. APPROX. DATE WORK WILL START*

12. COUNTY OR PARISH

San Juan

13. STATE

N. Mexico

Sec. 31-32N-8W

10. FIELD AND POOL, OR WILDCAT

~~Buffalo~~ Blanco11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

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
8-3/4"	7"	20#	3800'	500 sx
6-1/4"	4-1/2"	10.5#	6100'	275 sx

1. Set new 10-3/4" 40.5# K-55 ST&C csg. @ 200'. Pressure test casing to 1000#. Cement w/enough cement to circulate it to the surface. WOC 24 hrs.
2. Drill w/wtr & native mud to appr. 1800'. Mud up w/Gel-Benex type mud & drill thru the Pictured Cliffs formation (3500-3700'). Set 7" 20# N-80 LT&C casing (new or tested to 5000#) @ 3800'. Cement w/enough cement to cover the Pictured Cliffs formation. WOC 24 hours. Pressure test casing & BOP's to 3000# before drilling out.
3. 8" LWP Shaeffer double pipe & blind rams BOP's will be used. Check BOP's each tour & blind rams each trip.
4. Drill 6-1/4" hole to TD. Set & cement 4-1/2" 10.5# H-40 new casing to TD w/BOT liner hanger, cmt w/enough cement to circulate out top of liner. WOC 24 hours.
5. Well head equipment will consist of 2000# WP Brewster equipment for 10-3/4' surface and 7" intermediate casing.

OVER

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

TITLE Asst. Operations Manager DATE 10-5-77

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

OCT 11 1977
OIL CON. COM.
DIST. 3

OCT 7 1977

*See Instructions On Reverse Side

N/111 570

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.

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6. Mud program will be as follows:

0-200'	Gel-lime slurry
200-1800'	Water & Benex
1800-3800'	Gel-Spersene Mud
3800-TD	Drill w/gas

7. Anticipated BHP @ TD max. of 2000#. No abnormal pressures anticipated.

8. Auxillary & BOP equipment on rig as follows:

- A. Double ram BOP
- B. Kelly cocks (if required)
- C. Rotating drilling head
- D. Kill valve on rig floor (if required)

9. Complete well by swabbing casing dry. Perf Mesa Verde w/l HPF & frac w/gelled water and sand.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator KOCH EXPLORATION COMPANY			Lease GARDNER		Well No. 2-A
Unit Letter D	Section 31	Township 32 NORTH	Range 8 WEST	County SAN JUAN	

Actual Footage Location of Well:
1155 feet from the **NORTH** line and **1039** feet from the **WEST** line

Ground Level Elev. 6640	Producing Formation Mesa Verde	Pool Blanco	Dedicated Acreage: 320 271.25 Acres
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 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 Commission.

CERTIFICATION

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

Vernon J. Lowe
 Name
Vernon J. Lowe
 Position
Asst. Operations Manager
Koch Exploration Company,
Koch Industries Inc
 Date
9-9-77

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.

16 August 1977
James P. Leese
 Date Surveyed
James P. Leese
 Registered Professional Engineer
 and/or Land Surveyor **James P. Leese**

