

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-045-22243
5. LEASE DESIGNATION AND SERIAL NO.

NM 013642

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gardner

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

Blanco/Mesa Verde

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 31-32N-8W

12. COUNTY OR PARISH 13. STATE

San Juan New Mexico

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

790' FWL & 740' FSL

NE SW SW

At proposed prod. zone

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

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 740'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED

TO THIS WELL

W/ 221.10

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

6100'

20. ROTARY OR CABLE TOOLS

Rotary

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

Ground 6413'

22. APPROX. DATE WORK WILL START*

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
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 csg to 1000#. Cmt w/enough cmt to circulate it to the surface. WOC 24 hours.
2. Drill w/wtr & native mud to approx 1800'. Mud up w/Gel-Benex type mud & drill through the Pictured Cliff formation. WOC 24 hours. Pressure test csg & 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 & cmt 4-1/2" 10.5# H-40 new csg to TD w/BOT liner hanger, cmt w/enough cmt to circ out top of liner. WOC 24 hours.
5. Wellhead equipment will consist of 2000# WP Brewster equipment for 10-3/4" surface & 7" intermediate csg.
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 (Over)

Gas 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 blowout preventer program, if any:

24.

SIGNED

TITLE Asst. Operations Manager DATE 10-27-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

NOV 1 1976

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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.

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 csg dry. Perf Mesa Verde w/1 HPF & frac w/gelled KCl water & sand.

NEW MEXICO OIL AND GAS COMMISSION
WELL LOCATION AND ACCTAGE DEPOSITION FILE

All entries on this form must be made in ink.

Mesa Verde

Blanco

160 w/22110

If the well is located on the owner's land, the owner must sign this form and certify that the information herein is true and complete to the best of his knowledge and belief.

If the well is located on land owned by another person, the owner must sign this form and certify that the information herein is true and complete to the best of his knowledge and belief.

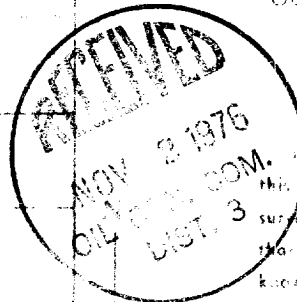
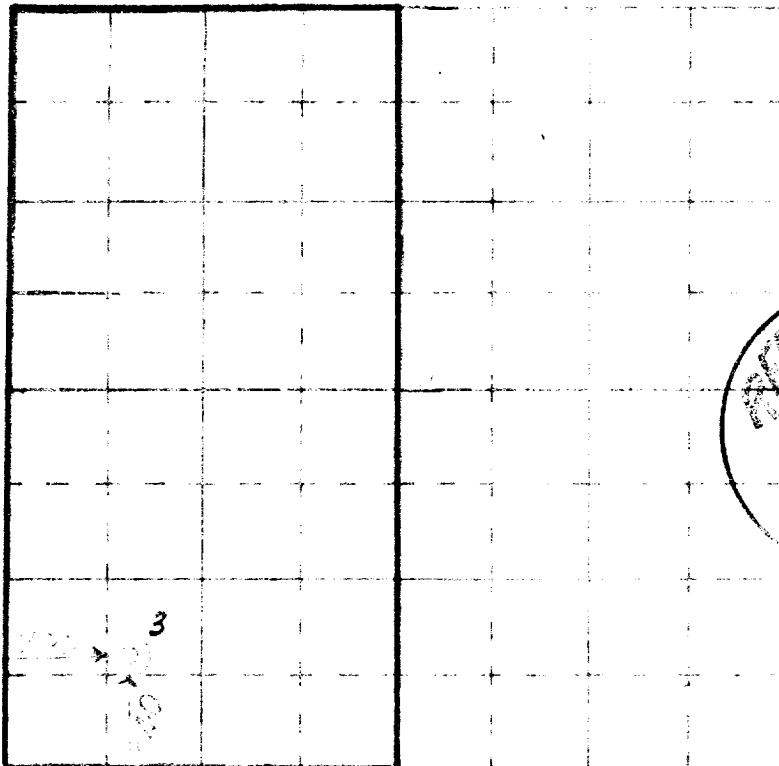
If the well is located on land owned by a corporation, the president or a duly authorized officer must sign this form and certify that the information herein is true and complete to the best of his knowledge and belief.

DECLARATION

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

Vernon J. Lowe
Vernon J. Lowe
Asst. Operations Manager
Koch Exploration Company

October 27, 1976



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

James P. Lowe
James P. Lowe
Asst. Operations Manager
Koch Exploration Company