

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

API 30-045-22017

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.

2

10. FIELD AND POOL, OR WILDCAT

Mesa Verde & includes
Blanco/Pictured Cliff11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 31-32N-8W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
☒

2. NAME OF OPERATOR

Koch Industires, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2256, Wichita, Kansas

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

At surface

1775' FNL & 1550' FEL SW NE

At proposed prod. zone

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

Approx 20 miles NE of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

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

1650' FEL

16. NO. OF ACRES IN LEASE

2,264.04

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 ± 160

18. DISTANCE FROM PROPOSED LOCATION*

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

2 miles

19. PROPOSED DEPTH

6100'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 6510'

22. APPROX. DATE WORK WILL START*

March 15, 1976

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

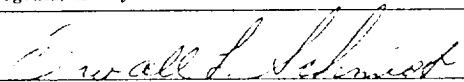
1. Set new 10-3/4" 40.5# K-55 ST&C csg @ 200'. Press test csg to 1000 psi. Cmt w/enough cmt to circulate it to the surface. WOC 24 hrs.
2. Drill w/wtr and native mud to approx 1800'. Mud up w/Gel-Benex type mud & drill thru the Pictured Cliff formation (3500-3700'). Set 7" 20# N-80 LT&C csg (new or tested to 5000#) @ 3800'. Cmt w/enough cmt to cover the Pictured Cliff formation. WOC 24 hrs. Press 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 circulate out top of liner. WOC 24 hrs.
5. Well head equipment will consist 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

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

Operations Manager

DATE

2-27-76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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.

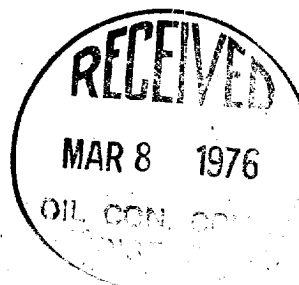
Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal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

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-396

6. Cont. 3800-TD Drill w/gas.
7. Anticipated BHP @ TD max of 2000#. No abnormal pressures anticipated.
8. Auxiliary & 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.
10. Set RBP, perf Pictured Cliff w/1 HPF & frac well w/gelled KCl water & sand.
11. Clean sand out, run tbg w/pkr, swab csg down, set pkr between Mesa Verde & Pictured Cliff zones. Produce Mesa Verde up tbg & Pictured Cliff up annulus.



NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-107
Supersedes C-128
Effective 1-1-65

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

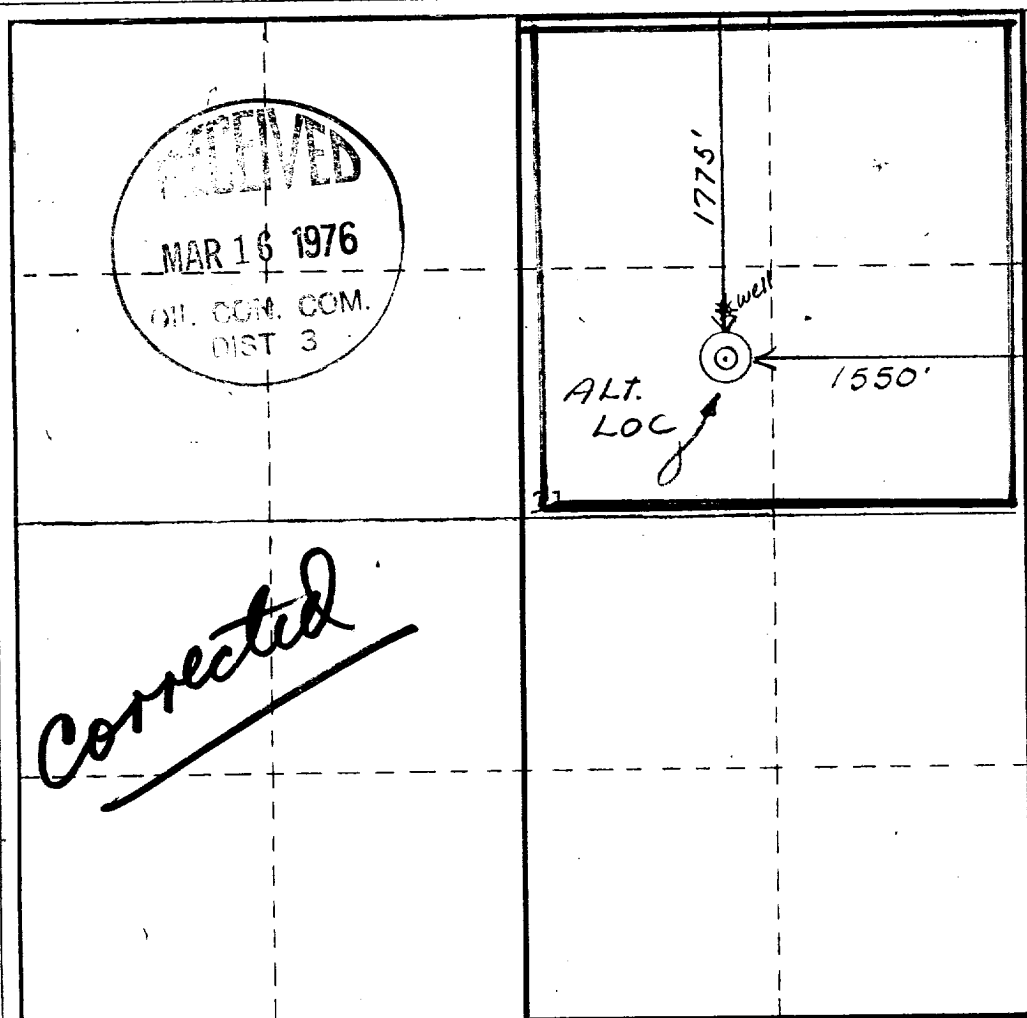
Operator KOCH EXPLORATION COMPANY			Lease GARDNER		Well No. 2
Unit Letter A G	Section 31	Township 32 NORTH	Range 8 WEST	County SAN JUAN	
Actual Footage Location of Well: 1775 feet from the NORTH line and 1550 feet from the EAST line					
Ground Level Elev. 6516	Producing Formation Pictured Cliff/Mesa Verde		Pool Udler & Blanco	Dedicated Acreage: 160 & 320 Acres	

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 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 Commission.



CERTIFICATION

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

Dwain L. Schmit
Name

Operations Manager

Position

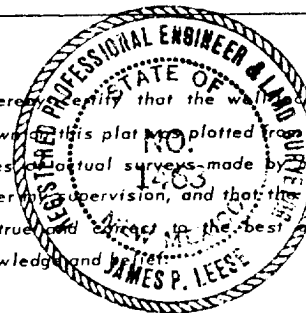
Koch Industries, Inc.

Company

March 5, 1976

Date

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
6 February 1976

Registered Professional Engineer
and/or Land Surveyor

James P. Leese
James P. Leese

Certificate No.
1463

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0