

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY30-039-20586
5. LEASE DESIGNATION AND SERIAL NO.

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

JOHN E. SCHALK

3. ADDRESS OF OPERATOR

P. O. BOX 2078 FARMINGTON, NEW MEXICO 87401

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

1130 F.N.L., 1180 F.E.L., SEC. 3, T-30N, R-5W

At proposed prod. zone

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

50 MILES 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)

1130'

16. NO. OF ACRES IN LEASE

397.60

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 317.6

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1 MILE

19. PROPOSED DEPTH

8200'

20. ROTARY OR CABLE TOOLS

ROTARY

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

6486.0' GR

22. APPROX. DATE WORK WILL START*

JANUARY 5, 1973

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.75#	300'	300 SX.
9-7/8"	7-5/8"	26.40#	3800'	250 SX.
6-3/4"	4-1/2"	11.60#	8200'	350 SX.

AN INTERMEDIATE CASING STRING WILL BE RUN TO A DEPTH 200' INTO THE LEWIS SHALE, OR APPROXIMATELY 3800'. WILL DRILL WITH ROTARY TOOLS TO TEST THE DAKOTA FORMATION. WILL RUN AN INDUCTION LOG & A FORMATION DENSITY CALIPER GAMMA RAY LOG AT TOTAL DEPTH. IF PRODUCTIVE, WILL CEMENT 4-1/2" CASING AND PERFORATE AS NEEDED.

ESTIMATED TOPS:

OJO ALAMO
KIRTLAND
FRUITLAND
PICTURED CLIFFS
POINT LOOKOUT2470'
2680'
3075'
3175'
5598'MANCOS
GALLUP
GREENHORN
GRANEROS
DAKOTA5760'
6370'
7705'
7755'
7830'

TOTAL DEPTH 8200'

RECEIVED

JAN 4 1973

OIL CON. COM.
DIST. 3

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

DATE DECEMBER 28, 197

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

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*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 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.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACERAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator JOHN E. SCHALK		Lease CARSON FEDERAL FEDERAL CARSON		Well No. 3
Unit Letter A	Section 3	Township 30 NORTH	Range 5 WEST	County RIO ARriba
Actual Footage Location of Well: 1130 feet from the NORTH line and 1180 feet from the EAST line				
Ground Level Elev. 6485.0	Producing Formation DAKOTA	Pool BASIN DAKOTA	Dedicated Acreage: 320 317.6 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or by other 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 **U.S. GEOLOGICAL SURVEY DURANGO, COLO.**

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

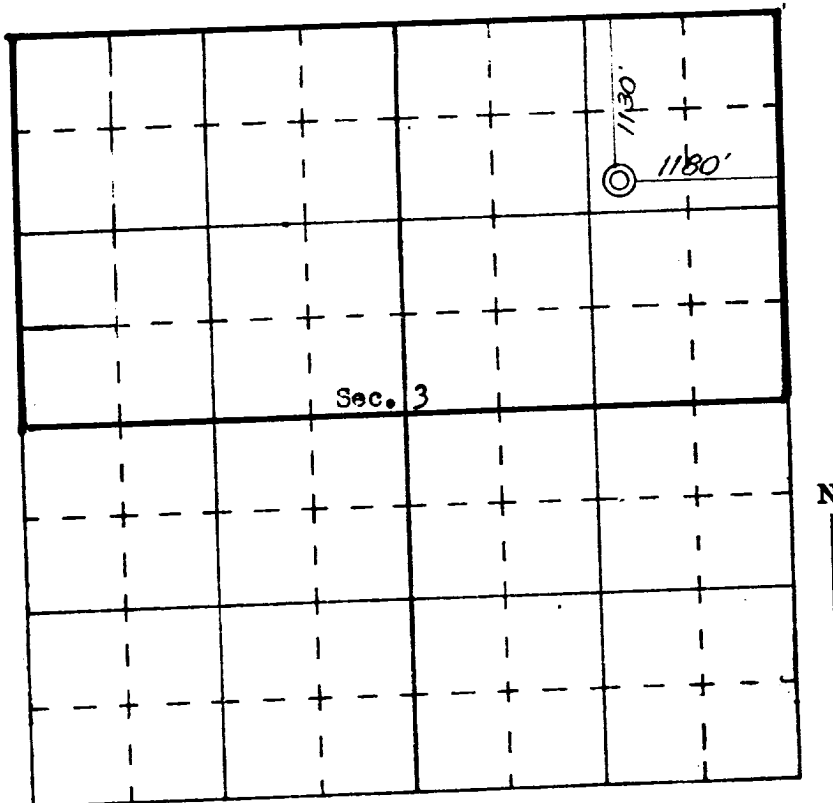
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

John E. Schalk
Name _____
Position _____

Company
JOHN E. SCHALK
Date
DECEMBER 28, 1972

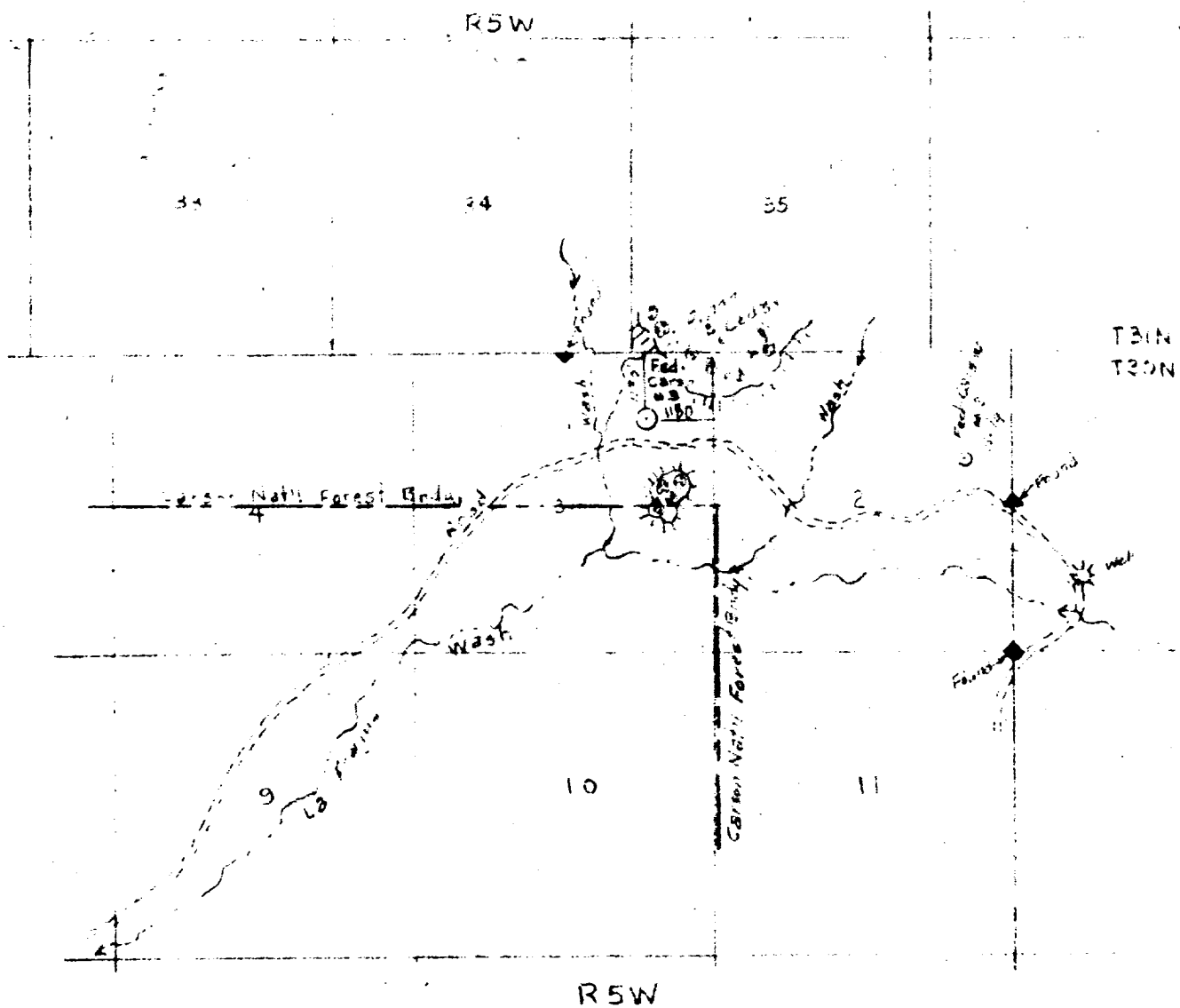
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

21 December, 1972
Date Surveyed
James P. Reese
Registered Professional Engineer
and/or Land Surveyor
JAMES P. REESE
1263
Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



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DEPT OF IN. GEO.

VICINITY MAP FOR
JOHN E. SCHALK
Federal-Carson Well No 5

Sec. 3, T30N, R5W, N.M.P.M.,
Rio Arriba County, New Mexico

Scale: 1" = 3000'
Date: 12-22-1972

Lawson Engineering Company

Farmington, New Mexico