

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 ☐Stratigraphic
TestSINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Shell Oil Company, Rocky Mountain Division

3. ADDRESS OF OPERATOR

1700 Broadway, Denver, Colorado 80202

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

At surface

150' FNL and 150' FNL Section 30

At proposed prod. zone

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

Approximately five miles NE

15. DISTANCE FROM PROPOSED*

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

150'

18. DISTANCE FROM PROPOSED LOCATION*

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

approx. 1 mile

16. NO. OF ACRES IN LEASE

2380.44

19. PROPOSED DEPTH

3500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40 acres

20. ROTARY OR CABLE TOOLS

Rotary

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

6148.0 GL

22. APPROX. DATE WORK WILL START*

September 18, 1971

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

As per attached drilling prognosis and survey plat.

Verbal approval to drill was obtained from Mr. Phil McGrath, District Engineer.

Please forward two (2) approved copies to:

Oil and Gas Conservation Commission Office
State Land Office Building
Santa Fe, New Mexico 87501THIS WELL IS A STRATIGRAPHIC
TEST-HOLE FOR RESEARCH AND
UNDER NO CIRCUMSTANCES WILL IT BE PROD.
UCED.

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.

Original Signed By

SIGNED

A. C. HOWELL

TITLE

Division Operations Engr.

DATE

August 27, 1971

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Letter to permit 9-8-71

*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 plat, 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

SHELL OIL COMPANY

Unit number

D

Section

30

Township

20 NORTH

Range

13 WEST

County

MCKINLEY

Actual Surface Location of Well

150

Feet from the

NORTH

Section

150

Feet from the

WEST

Line

Ground surface

Sectioned Avenue

Acres

6148.0

- Outline the acreage dedicated to the subject well by color, pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership, the acreage and the working interest and royalty.
- If more than one lease of different ownership is dedicated to the well, have the interests of all lessors been consolidated by communitization, unitization, forced pooling, etc?

Yes ☐ No ☐ If answer is "Yes," type in 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 interest, 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.

Name

Position

Company

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.

19 August, 1971

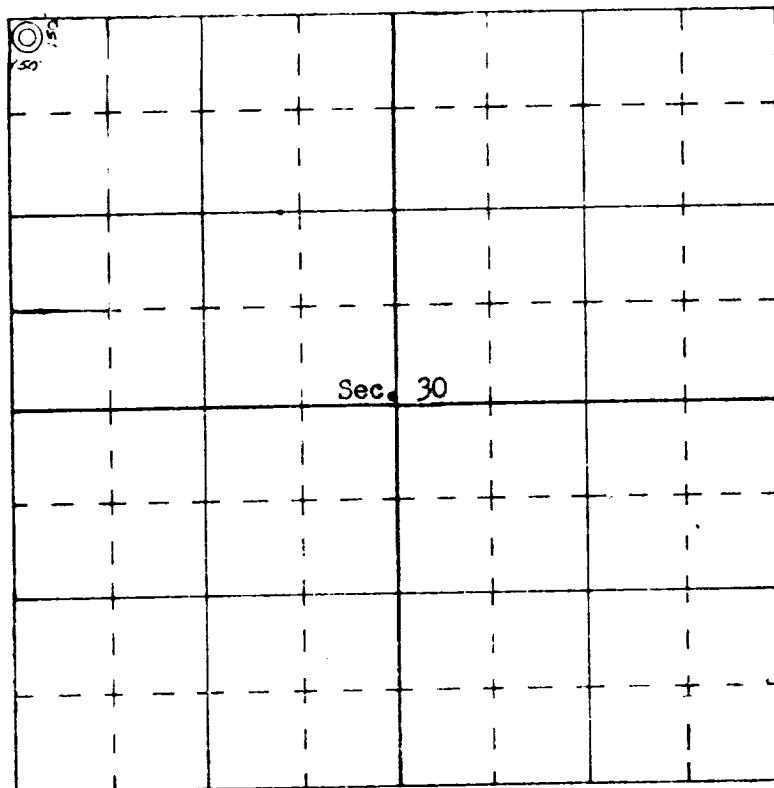
Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

JAMES P. LEESE

1463

Certificate No.



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

DRILLING WELL PROGNOSIS

WELL NAME Federal 11X-30
 TYPE WELL Exploration Department
 XXXX/AREA Boxer

APPROX. LOCATION (SUBJECT TO SURVEY) NW NW Section 30-T20N-R13W, McKinley County, New Mexico

EST. G. L. ELEVATION 6100 PROJECTED TD 3500 OBJECTIVE Morrison

ILE ZE	CASING PROGRAM	LOGGING PROGRAMS	MAX DEV.	DEPTHS AND FORMATION TOPS	SPECIAL INSTRUCTIONS
1/4"	8 5/8"	200'±	1°	Menefee sfc	SAMPLES: sfc - 2000' 30' 2000'-TD 10'
7/8	5 1/2" (if needed)	IES BHC GR Sonic	1-3/4°/1000' interval	Pt. Lookout 1100 (+5000) Upper Mancos 1350 (+4750) Dilco 2300 (+3800) Gallup 2400 (+3700) Lower Mancos 2450 (+3650) Dakota 3150 (+2950) Morrison 3400 (+2700)	CORES: 600' DST'S: None DEVIATION CONTROL Dogleg severity not to exceed 1 1/2°/100' interval CEMENT Circulate sfc csg with Class "G" or "A" (Accelerate for 500 psi comp strength in 8 hrs - state regulation) MUD Surface - 100' As required for casing 100'-2000' Water 2000'-TD Low Solids Nondispersed
			6°	TD 3500'	Note: See "Mud Program" for additional details

ORIGINATOR D. E. Smith

DATE 8/9/71

Engineering
Operations
XXXXXXXXXX
Petroleum

Approval: [Signature]

OPERATIONS APPROVAL:

[Signature]

will file

OIL CONSERVATION COMMISSION



STATE OF NEW MEXICO
1000 RIO BRAZOS ROAD - AZTEC
87410

GOVERNOR
DAVID F. CARGO
CHAIRMAN
LAND COMMISSIONER
ALEX ARMIJO
MEMBER
STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

September 7, 1971

Mr. J. C. Howell
Shell Oil Company
1700 Broadway
Denver, Colorado 80202

Re: Stratigraphic Test Wells

Dear Mr. Howell:

We have received your notice of intention to drill two wells, Government #11X-30 and Government #11X-18, in McKinley County as stratigraphic test wells.

The enclosed copy of a memorandum from Mr. Porter is to remind you of our definition of and requirements for stratigraphic test wells.

Our policy is to maintain the information confidential for a period of one year. You can help us by marking each page you submit "CONFIDENTIAL" in a distinctive color.

If there are questions, please contact us.

Yours very truly,

A. R. Kendrick

A. R. Kendrick
Engineer, District #3

ARK:mc

Encl.