

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

Beta Development Co.

3. ADDRESS OF OPERATOR

234 Petr. Club Plaza, Farmington, New Mexico

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

At surface

1450/FEL 2450/FEL

At proposed prod. zone

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

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

80

19. PROPOSED DEPTH

6675'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

N/320

20. ROTARY OR CABLE TOOLS

Rotary

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

5714' GR

22. APPROX. DATE WORK WILL START*

Nov. 2, 1964

23.

PROPOSED CASING AND CEMENTING PROGRAM

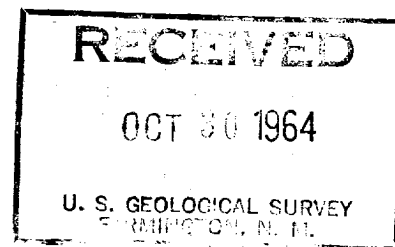
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.7	300'	175 sx
7 7/8"	4 1/2"	10.52	6675'	Cement 3 stages

Propose to cement production casing in 3 stages - 1st stage, 250 sx reg. + 25 gel;

2nd stage - Set DV tool below Point Lookout & cement to protect the Mesaverde formation;

3rd stage - Set DV tool below Pictured Cliffs & cement to protect the Pictured Cliffs,
Fruitland & Kirtland formations.

Propose to perforate and sand water frac the Dakota formation.



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:
JOHN T. HAMPTON

SIGNED

TITLE

Manager

DATE

10/30/64

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

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 14: 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 22: 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 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.

Well Location and Acreage Dedication Plat

Section A

Date **October 30, 1964**

Operator **BETA DEVELOPMENT COMPANY** Lease **Petitor Canyon**
 Well No. _____ Unit Letter **G** Section **7** Township **29 NORTH** Range **10 WEST** NMPM
 Located **1450** Feet From **NORTH** Line **2480** Feet From **EAST** Line
 County **SAN JUAN** G. L. Elevation **5714.0** Dedicated Acreage **N/400 313.20** Acres
 Name of Producing Formation **Dakota** Pool **Basin Dakota**

1. Is the Operator the only owner in the dedicated acreage outlined on the plan below?

Yes _____ No **X**

2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes _____ No _____. If answer is "yes", Type of Consolidation.

Communitization has been agreed to.

3. If the answer to question two is "no", list all the owners and their respective interests below.

Owner

Land Description

Turner, Schultz, Murchinson, Webb**N/2 NE/4****Turner, Schultz, Murchinson, Webb, El Paso
Natural Gas Company****NE/4****Beta Development Co.****S/2 NE/4****RECEIVED****OCT 30 1964****U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.**

Section B.

Note: All distances must be from outer boundaries of section.

This is to certify that the information
in Section A above is true and complete
to the best of my knowledge and belief.

Beta Development Co.

(Operator)

Original signed by:

JOHN T. HAMPTON**Manager**

(Representative)

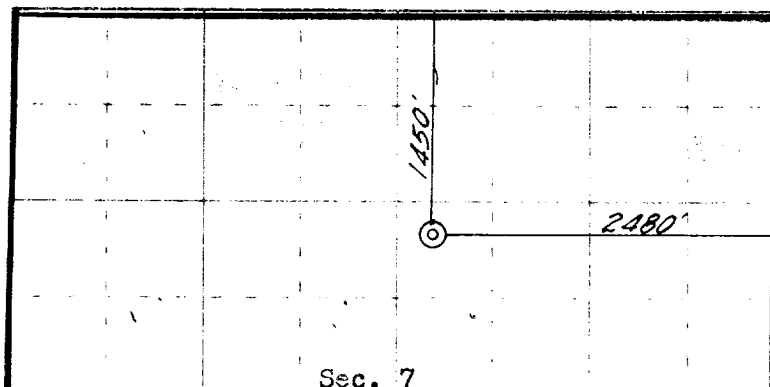
234 Petroleum Club Plaza

(Address)

Farmington, New Mexico

Ref: GLO plat dated 19 April 1881

Posted



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

Scale 4 inches equal 1 mile

RECEIVED**NOV 2 1964****OIL CON. COM.
DIST. 3**

This is to certify that the above plat was prepared from field notes of actual survey
made by me or under my supervision and that the same are true and correct to the best
of my knowledge and belief.

Date Surveyed **October 10, 1964**

James P. Leese
 Registered Professional Engineer and/or Land Surveyor
James P. Leese, N. Mex. Reg. No. 1463
San Juan Engineering Co.