

30-043-20238

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

Colorado Plateau Geological Services-TransOcean

3. ADDRESS OF OPERATOR

P. O. Box 537; Farmington, New Mexico 87401

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

At surface

1,217' FNL - 463' FEL Section 35, T. 13 N., R. 6 E.

At proposed prod. zone

same

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

16 miles east of Bernalillo, New Mexico

15. DISTANCE FROM PROPOSED*

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

463'

18. DISTANCE FROM PROPOSED LOCATION*

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

160'

(suspended Fed. #1)

16. NO. OF ACRES ASSIGNED

2490.95

19. PROPOSED DEPTH

1500

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

Rotary

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

6255' GR

22. APPROX. DATE WORK WILL START*

July 25, 1976

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" (new)	24.00#	60'	circulate
6 1/2"	4 1/2" (new)	10.50#	1300' +	60 sacks

This well will be spud in Quaternary terrace gravels and will be drilled with mud to total depth in the Cretaceous Point Lookout Formation after setting and cementing 8-5/8" surface casing. We will run electric logs at total depth and set 4 1/2" casing for production if warranted. Well will be cored if oil sands are encountered. We estimate the following formation tops: Tertiary Galisteo Formation - 70'
Cretaceous Menefee Formation - 300'
Cretaceous Point Lookout Formation - 1300'

The Bicentennial Freedom Fed. No. 1 and a uranium core hole drilled within 300' of the proposed location and to the same depth encountered no abnormal temperatures or pressures. No other potential hazards are anticipated. Pressure control equipment will include 85' feet of 8 1/2" 24.00# surface casing cemented to surface with blowout preventer. (7-1/16" 3000 PSI). Bottom hole pressure is anticipated to be 700 PSI or less. Mud program will call for 9.2 lb/gal mud with hydrostatic head of 750 PSI at 1500 feet. (OVER PLEASE)

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 7/23/76

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

JUL 28 1976

*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 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.

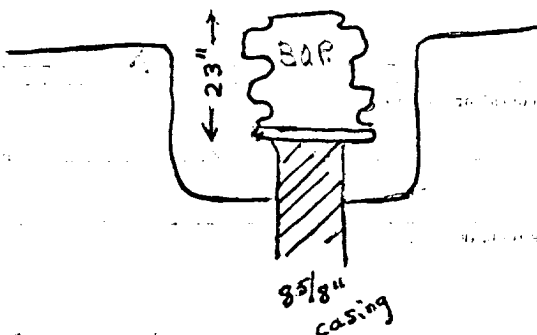
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Continued -----

Mud weight will be increased if necessary for higher pressures. Mud will be low solids and low water loss. The well will be mud logged from surface to T.D. with a total hydrocarbon sniffer and a hydrogen flame chromatograph. If oil sands are encountered the well will be cored. At T.D. the well will be logged with Dual Induction Laterlog and a porosity tool (probably Density Log). well will be spud as soon as approval is received, and is anticipated to take one week from move-in to logging.

Blowout preventer will be a Shaffer LWP hydraulic with a 7-1/16" bore. Blowout preventer will be attached to casing with a 8 5/8" flange. The BOP will be coupled with a hydraulic closing unit and will be 23' from the top of the flange to the top of the B.O.P.



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

Colorado Plateau Geological Service Lease

Centennial Freedom

Well No. 2

TransOcean

Tract Letter	Section	Township	Range	County
A	35	13N	6E	Sandoval

Actual Footage Location of Well:

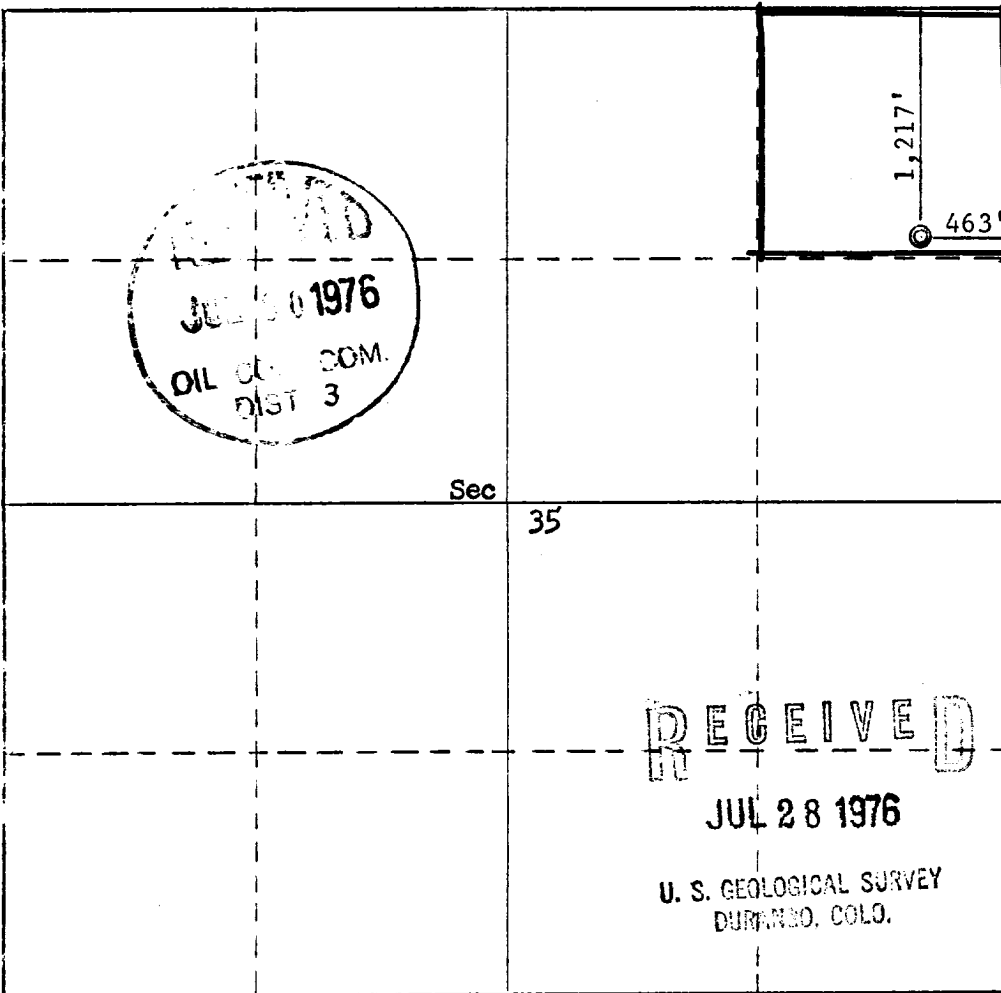
1,217'	feet from the North line and	463'	feet from the East line
Ground Level Elev: 6255	Producing Formation Cretaceous	Pool wildcat	Dedicated Acreage: 40 Acres

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 N.A.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) N.A.

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.

X *Bruce A. Black*

Name
Bruce A. Black
Position
President
Company **Colorado Plateau Geological Services, Inc.**
Date
July 23, 1976

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
July 22, 1976
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.
Certificate No.
3950

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