

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 ☐		5. LEASE DESIGNATION AND SERIAL NO. Contract No. 161	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR Sherman F. Wagenseller		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 170 S. Beverly Dr., Beverly Hills, California		8. FARM OR LEASE NAME Pubco-Apache - 161-D	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' FNL and 790' FWL, Section 16 T23N - R2W At proposed prod. zone same		9. WELL NO. 161-D-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles South of Lindreth		10. FIELD AND POOL, OR WILDCAT So. Blanco P.C.	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16 T23N - R2W	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		19. PROPOSED DEPTH 3200'	
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7300' Gr. (est.)	
22. APPROX. DATE WORK WILL START* Oct. 25, 1964			

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	100'	60 sax
7 7/8"	4 1/2"	9.5#	3200'	100 sax

1. Drill well to test Pictred Cliff sand
2. Drill 11" hole to 100', cement 8 5/8" casing with 60 sax
3. Drill 7 7/8" hole to estimated T.D. 3200'
4. Run electrical survey log and make decision to complete
5. If casing is run, cement 4 1/2", 9.5# at T.D. with 100 sax
6. Perforate productive interval with 2 jets per foot.
7. Frac with sand and water as directed.
8. Run 2 3/8" tubing and swab well in for test.

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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 <u>[Signature]</u> TITLE <u>operator</u>		OCT 21, 1964	
(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 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.

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

SECTION A.

Date _____

Operator Sherman F. Wagenseller Lease Pubco-Jicarilla 161
Well No. 1-D Unit Letter D Section 16 Township 23 North Range 2 West NMPM
Located 790 Feet From North Line, 790 Feet From West Line
County Rio Arriba G. L. Elevation 7300 Est. Dedicated Acreage 160 Acres
Name of Producing Formation Pictured Cliffs Pool South Blanco P.C.

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below? Yes XX No _____
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 _____
3. If the answer to question Two is "No," list all the owners and their respective interests below:

OWNER

LAND DESCRIPTION

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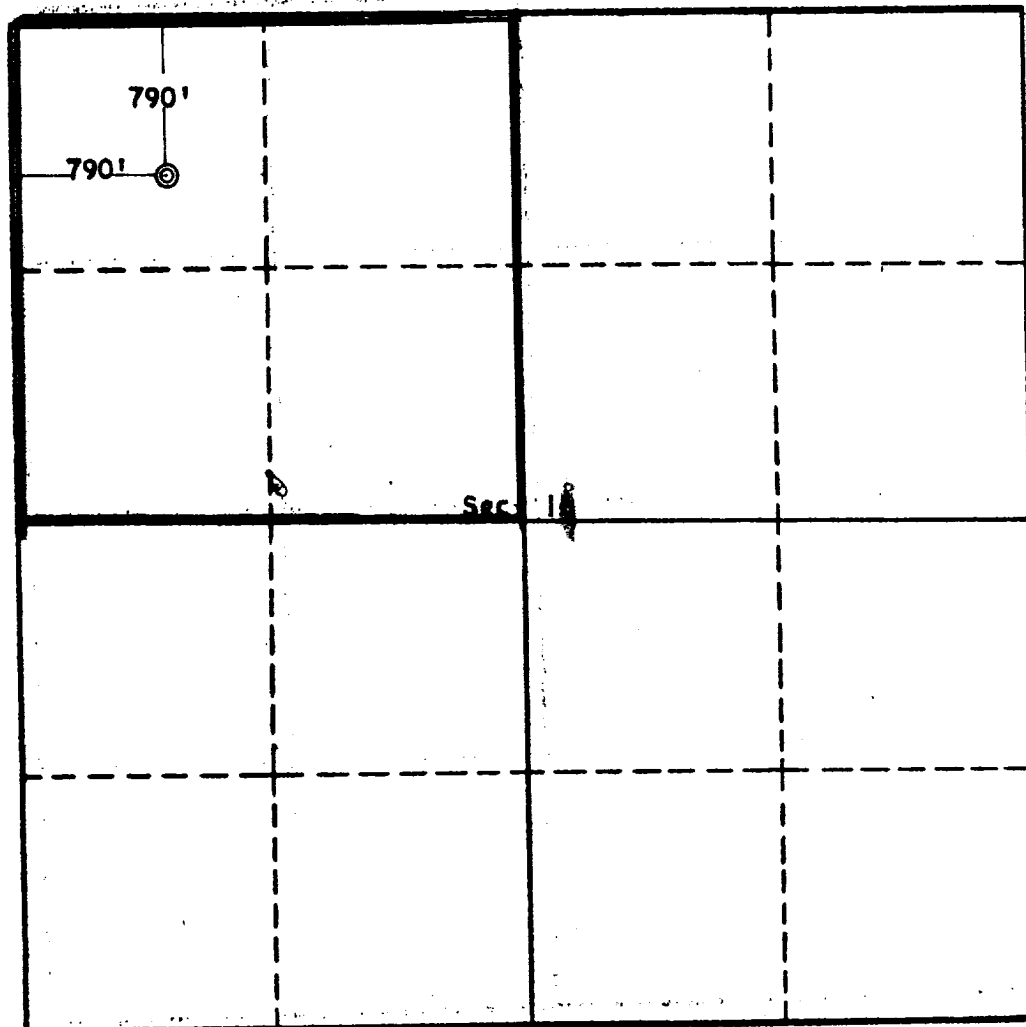
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SECTION B.



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

Sherman F. Wagenseller

(OPERATOR)

J. J. August
J. J. August

(REPRESENTATIVE)

170 So. Beverly Drive
Beverly Hills, California

This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual survey 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 October 21, 1964

Four States Engineering Co.
FARMINGTON, NEW MEXICO

Ernest V. Echols
REGISTERED ENGINEER OR
LAND SURVEYOR

Certificate No. 3602

