

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. NM 0390 086	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
2. NAME OF OPERATOR SHELL OIL CORPORATION		7. UNIT AGREEMENT NAME NA	
3. ADDRESS OF OPERATOR 702 V-J Tower Bldg., Midland, Texas 79701		8. FARM OR LEASE NAME Stevens, Inc. Sec. 30, T-6-S, R-27-E	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' PS & 2310 FUL, Sec. 30, T-6-S, R-27-E At proposed prod. zone		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 19 mi. NE of Roswell, New Mexico		10. FIELD AND POOL, OR WILDCAT Haystack-Cisco	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 660'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T-6-S, R-27-E	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1 1/2 miles		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Elevation will be taken after location is levelled for accuracy. (This has been approved)		22. APPROX. DATE WORK WILL START* Prior to 1-10-72	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	30'	Circ. to surface
11"	8-5/8"	24#	1400'	Circ. to surface
7-7/8"	4-1/2"	9.5# -10.5#	6500'	sufficient to cover all potentially productive zones.

The 13-3/8" csg. will be set with rat hole digger and cemented; the 8-5/8" csg. will be set by rotary and cement circulated to surface by plug displacement. If commercial production is encountered, 4 1/2" csg. will be set by rotary and cement brought to a depth sufficient to cover all potentially productive zones.

This 8-5/8" csg. and BOP's will be tested to 1000 psi prior to drilling outcasing shoe; the 4-1/2" will also be tested to 1000 psi prior to perforating for production.

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 surface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Billy Gower TITLE Dist. Superintendent DATE December 20, 1971
(This space for Federal or State office use)

PERMIT NO. _____

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:APPROVED
DEC 23 1971
R. L. BEEKMAN
ACTING DISTRICT SUPERVISORTHIS APPROVAL IS EXTENDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES
MAR 22 1972
*See Instructions On Reverse Side

DATE _____

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

Form O-102
Supersedes O-128
Effective 1-1-67

All distances must be from the outer boundaries of the Section

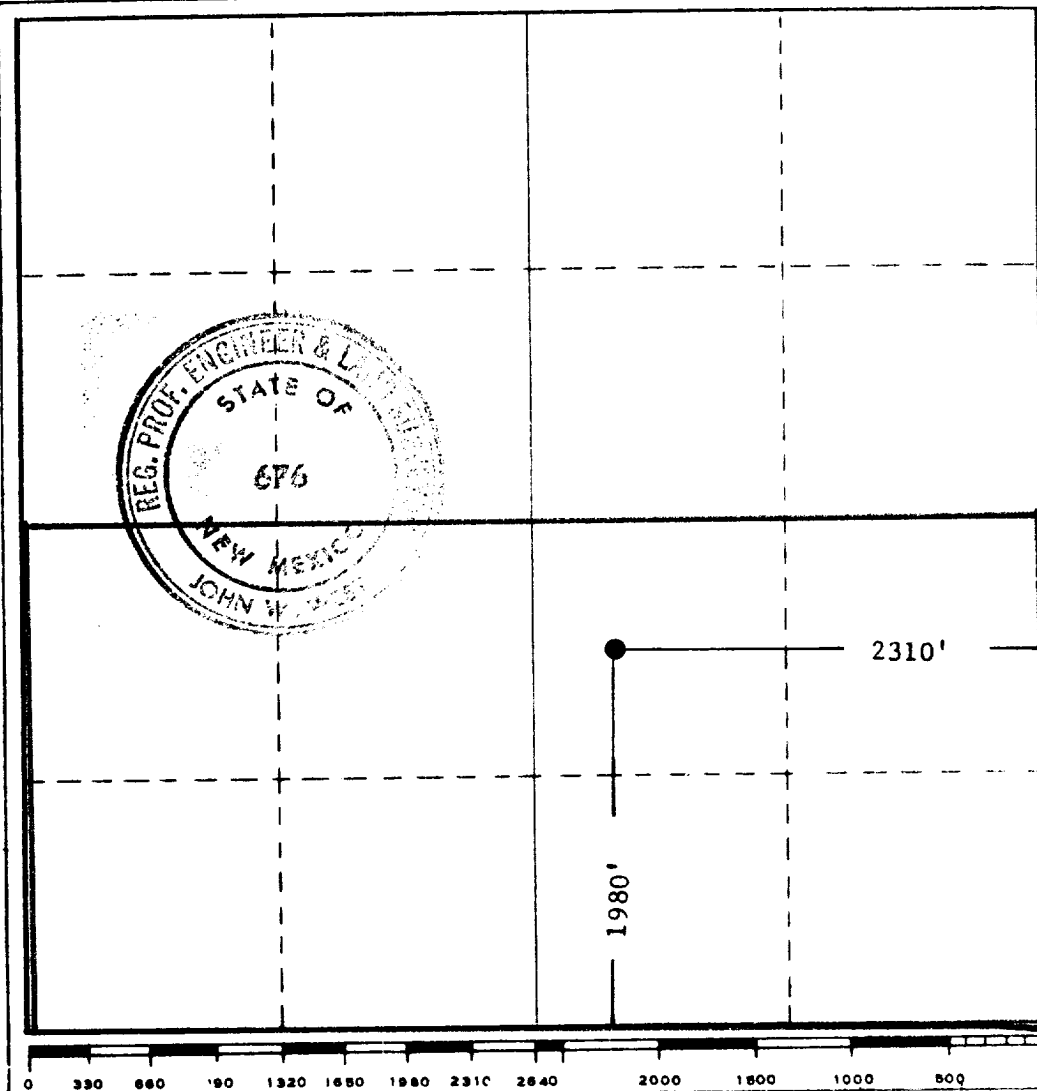
Operator SHENANDOAH OIL CORP.		Lease READ & STEVENS, INC. FED. S		Well No. 1
Unit Letter J	Section 30	Township 6 SOUTH	Range 27 EAST	County CHAVES
Actual Footage Location of Well: 1980 feet from the SOUTH line and 2310 feet from the EAST line				
Ground Level Elev. Cisco	Producing Formation Cisco	Pool Haystack	Dedicated Acreage 320	

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 _____

If answer is "no," list the owners and tract descriptions which have actually been 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.	
Name	<i>Billy Gover</i> Billy Gover
Position	Dist. Supt.
Company	Shenandoah Oil Corp.
Date	December 20, 1971
RECEIVED DEC 22 1971 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO	
Date Surveyed	DEC. 18, 1971
Registered Professional Engineer and/or Land Surveyor	
<i>John W. West</i>	
Certificate No.	676