

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM03605A	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Western Oil and Minerals, Limited			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Drawer 1228, Farmington, New Mexico 87401			8. FARM OR LEASE NAME Snodgrass	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1660 FSL and 1530 FWL At proposed prod. zone Same			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 22 Miles SE Bloomfield, New Mexico			10. FIELD AND POOL, OR WILDCAT Largo Chacra	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Give to nearest grid unit line, if any) 1530'			11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 24-27N-8W	
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160			13. STATE N. M.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 200' NW of #6Marron (MV)			14. PROPOSED DEPTH 4100'	
19. ROTARY OR CABLE TOOLS Rotary			20. APPROX. DATE WORK WILL START*	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6653 gl.				

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24.00	120'	Circ.
7 7/8"	4 1/2"	10.50	4200	2 Stages-700 Sx

Well will be mud drilled to TD, run correl log, run pipe, cement to cover Chacra, DV tool below Pictured Cliffs, cement to surface. SWF and complete as Chacra gas well. Expect two Chacra sands, run tubing and complete.

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 Elliott A. Riggs TITLE Agent DATE October 19, 1977  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE OCT 21 1977

CONDITIONS OF APPROVAL, IF ANY:

U. S. GEOLOGICAL SURVEY

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

Operator <b>WESTERN OIL &amp; MINERALS, LIMITED</b>		Lease <b>Snodgrass</b>		Well No <b>1</b>
Unit Letter <b>K</b>	Section <b>24</b>	Township <b>27 NORTH</b>	Range <b>8 WEST</b>	County <b>SAN JUAN</b>
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> <span>1660 feet from the SOUTH line and</span> <span>1530 feet from the WEST line</span> </div>				
Ground Level Elev. <b>6653</b>	Producing Formation <b>Chacra</b>	Pool <b>Largo Chacra</b>	Dedicated Acreage: <b>160</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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), **Western Oil and Minerals, Limited own 100% WI**
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 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.

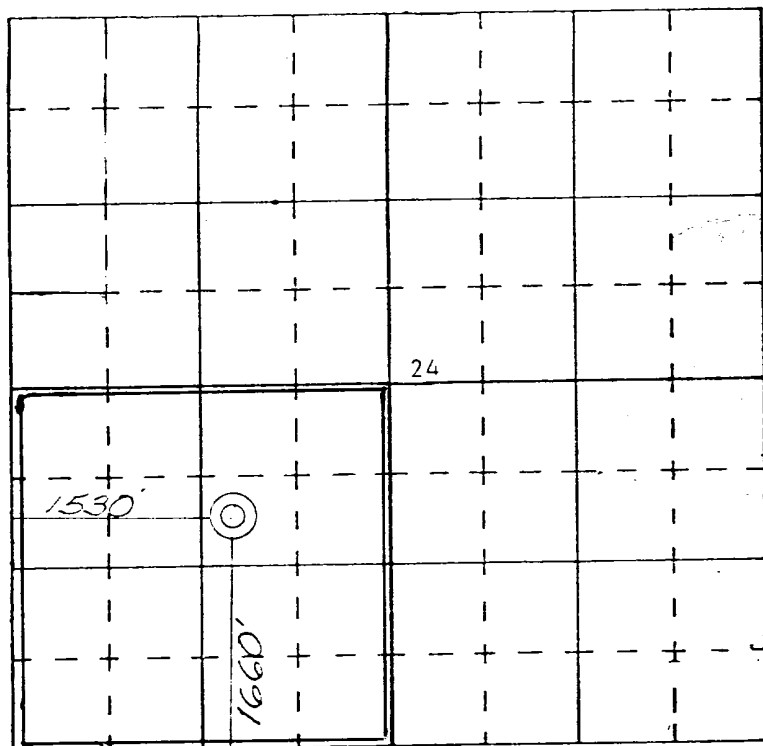
**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Elliott A. Riggs  
Name  
Agent  
Position  
Western Oil & Minerals, Ltd.  
Company  
October 19, 1977  
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.

12 October, 1977  
Date Surveyed  
James P. Leese  
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.