

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. Jicarilla Joint Venture	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache	
2. NAME OF OPERATOR ODESSA NATURAL CORPORATION ATT: john Strojek		7. UNIT AGREEMENT NAME Jicarilla Joint Venture "KD"	
3. ADDRESS OF OPERATOR P. O. Box 3908, Odessa, Texas 79760		8. FARM OR LEASE NAME Jicarilla Joint Venture "KD"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FSL, 1850' FWL, (NE/4 SW/4 - Unit K) At proposed prod. zone Same		9. WELL NO. 8	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Not applicable		10. FIELD AND POOL, OR WILDCAT Chacon Dakota Associated Pool	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4-T23N-R3W N.M.P.M.	
16. NO. OF ACRES IN LEASE -----		12. COUNTY OR PARISH Rio Arriba	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'		19. PROPOSED DEPTH 7645	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 10-15-79	
22. ELEVATIONS (Show whether DF, RT, GR, etc.) 7201' GL, 7214' DF, 7215' KB		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"	24.0	250	250 Sacks
7-7/8"	4-1/2"	10.50 & 11.60	7645	To be determined

It is proposed to drill this well with rotary tools, using oil base mud as circulation medium, through the Dakota Formation. Possible productive zones in the Dakota Formation will be completed. Production casing will be cemented in such a manner as to protect the Pictured Cliffs Formation.

## Estimated Formation Tops

Pictured Cliffs	3088'	Green horn	7175'
Cliff House	4645'	Graneros	7235'
Gallup	6165'	Dakota	7258'

The SW/4 Section 4 is dedicated to this well.

The natural gas produced from this well is committed.

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. For: ODESSA NATURAL CORPORATION

SIGNED Ewell N. Walsh, P.E.

TITLE President, Walsh Engin. & Prod. Corp. DATE August 17, 1979

(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*ah Frank*

\*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY  
DURANGO, COLO.

RECEIVED

AUG 20 1979

## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

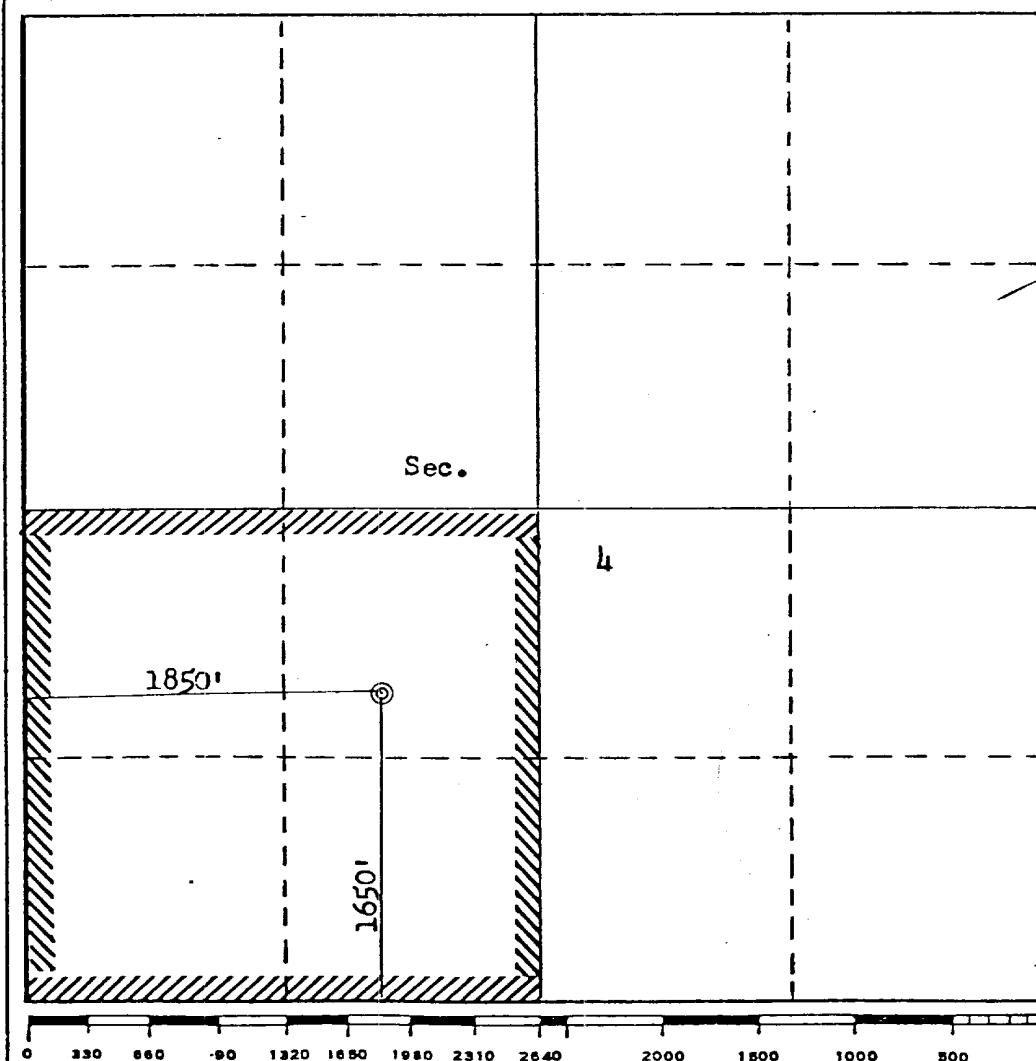
Operator <b>ODESSA NATURAL CORPORATION</b>			Lease <b>JICARILLA JOINT VENTURES "KD"</b>		Well No. <b>8</b>
Unit Letter <b>K</b>	Section <b>4</b>	Township <b>23N</b>	Range <b>3W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1650</b> feet from the <b>South</b> line and <b>1850</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7201</b>	Producing Formation <b>Dakota</b>		Pool <b>Chacon Dakota Associated</b>		Dedicated Acreage: <b>160</b> 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 \_\_\_\_\_

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

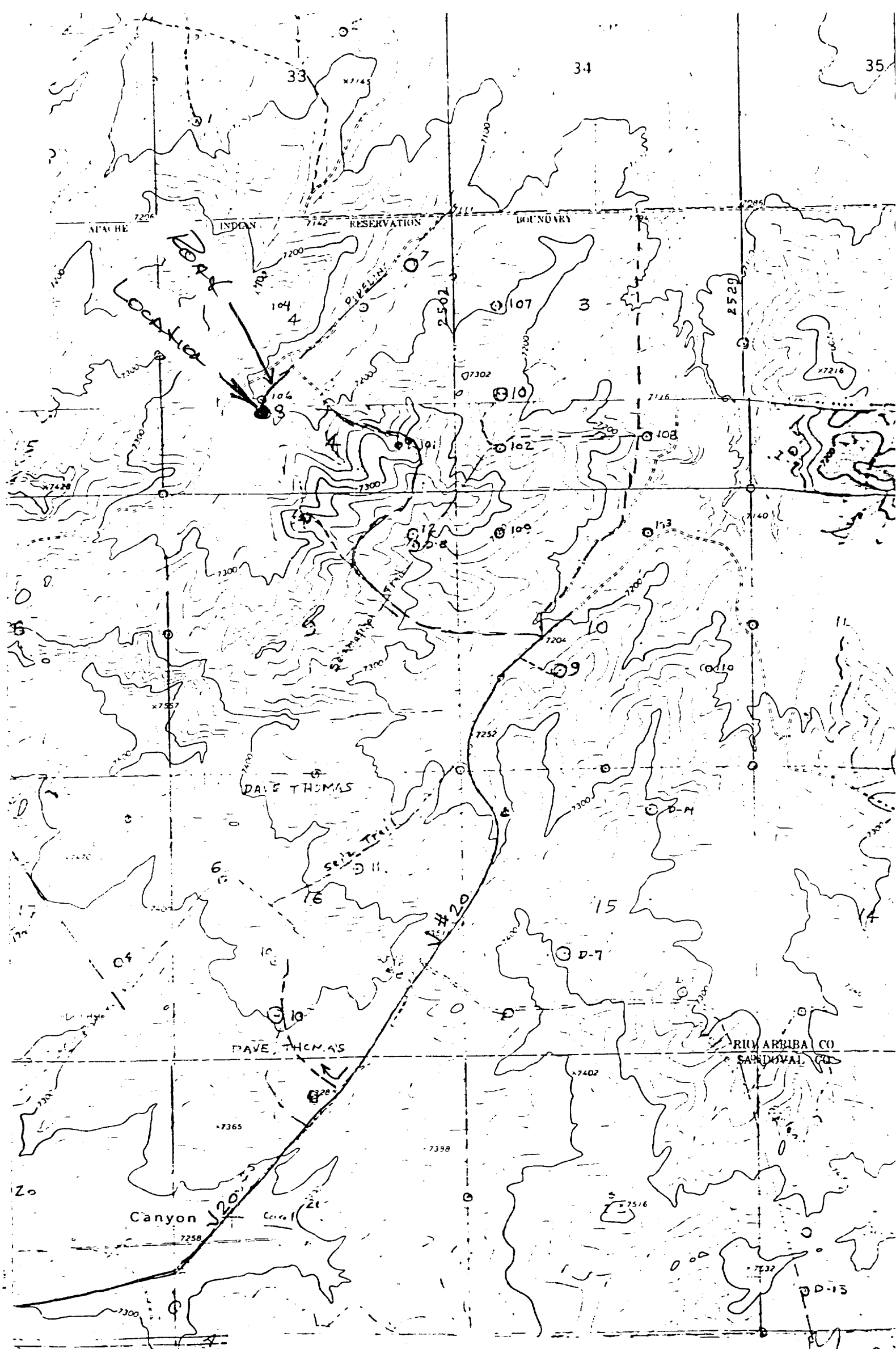
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  
For: **Odessa Natural Corp.**

Name: *[Signature]*  
Position **Ewell N. Walsh, P.E.**  
**President**  
Company **Walsh Engineering & Production Corp.**  
Date **August 17, 1979**

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 **August 10, 1979**  
Registered Professional Engineer and/or Land Surveyor  
*[Signature]*  
**Fred B. Kerr, Jr.**  
Certificate No. **3950**





Vicinity Map for  
ODESSA NATURAL CORP. #8 JICARILLA JOINT VENTURES "KD"  
1650'FSL 1850'FWL Sec 4-T23N-R3W  
RIO ARriba COUNTY, NEW MEXICO