

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-101  
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

30-045-25540

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"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Gale
2. Name of Operator Helen Loraine <del>Harvey</del> Hedrick		9. Well No. 2
3. Address of Operator c/o A. R. Kendrick, Box 516, Aztec, N.M. 87410 (505) 334-2555		10. Field and Pool, or Wildcat Aztec-Pictured Cliffs
4. Location of Well UNIT LETTER F LOCATED 2030 FEET FROM THE North LINE AND 1730 FEET FROM THE West LINE OF SEC. 24 TWP. 29N RGE. 11W NMPM		12. County San Juan
19. Proposed Depth 1900		19A. Formation Pictured Cliffs
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 5482 GL	21A. Kind & Status Plug. Bond One Well	21B. Drilling Contractor Ludwick
22. Approx. Date Work will start 12/28/82		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4	8 5/8"	24.0#	100'	50 sx	Surface
6 1/4	2 7/8"	6.5#	1900'	200 sx	Surface

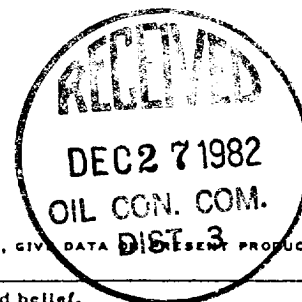
If the logs indicate potential pay, the Pictured Cliffs will be fractured.

The contractor will provide a 3000 psi, bag type blowout preventer.

The gas is dedicated.

Proposed formation tops: Kirtland - 620', Pictured Cliffs - 1732'.

APPROVAL EXPIRES June 27, 1983  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA DISCLOSE PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed AR Kendrick Title Agent Date December 27, 1982

(This space for State Use)

APPROVED BY 3rd Party TITLE SUPERVISOR DISTRICT # 3 DATE DEC 27 1982

CONDITIONS OF APPROVAL, IF ANY: Hold C104 for NSL

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

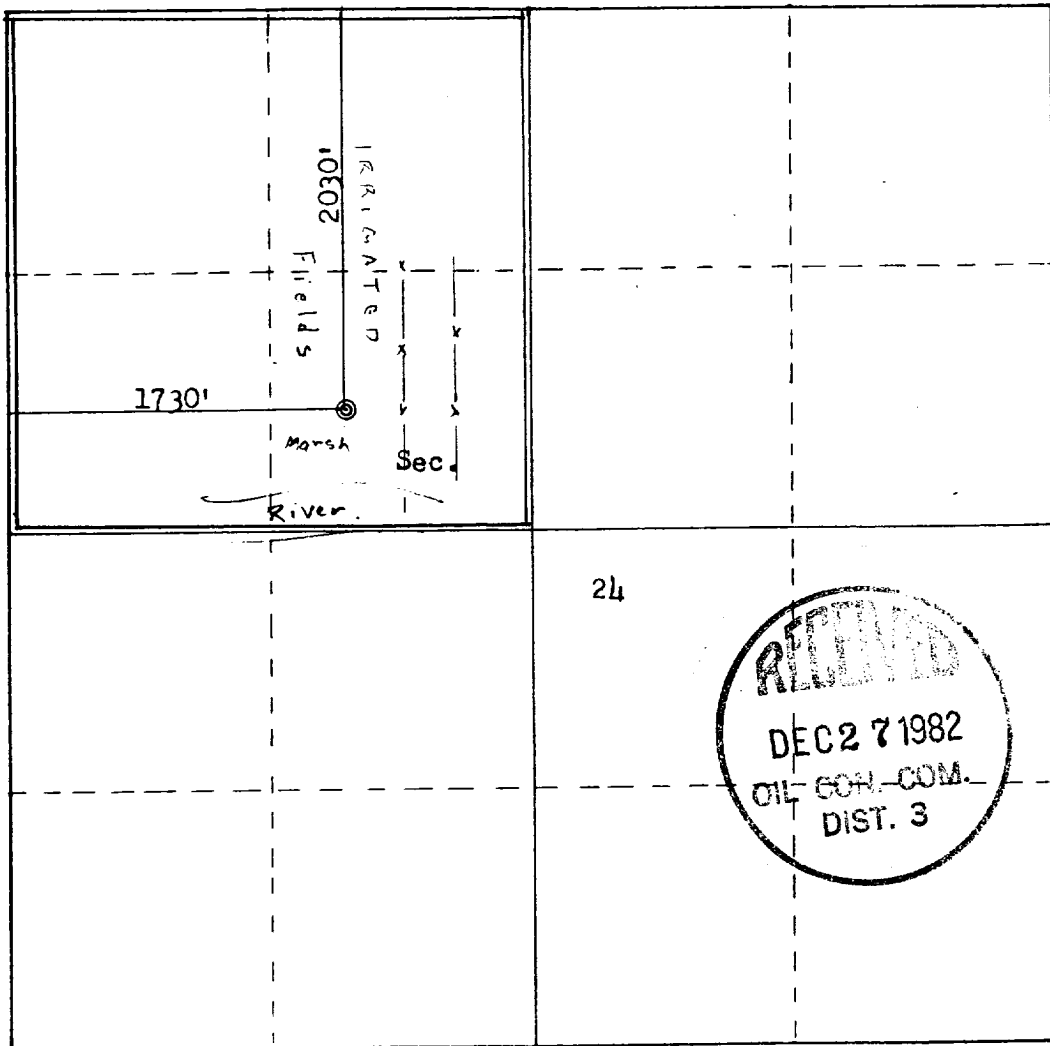
Operator <b>HELEN LORAIN HARVEY Hedrick</b>			Lease <b>GALE</b>		Well No. <b>2</b>
Unit Letter <b>F</b>	Section <b>24</b>	Township <b>29N</b>	Range <b>11W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>2030</b> feet from the <b>North</b> line and <b>1730</b> feet from the <b>West</b> line					
Ground Level Elev: <b>5482</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>Aztec-Pictured Cliffs ext</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.



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name	<b>AR Kerd Jr.</b>
Position	Agent
Company	Helen Loraine Harvey
Date	December 27, 1982
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	December 23, 1982
Registered Professional Engineer and Land Surveyor	<b>Fred B. Kerr Jr.</b>
Certificate No.	3950