

NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

30-039-20780

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG-974	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Cougar	
2. Name of Operator Jerome P. McHugh		9. Well No. 2	
3. Address of Operator P. O. Box 234, Farmington, New Mexico 87401		10. Field and Pool, or Wildcat Gavilan P.C. ext	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1850</u> FEET FROM THE <u>South</u> LINE AND <u>1850</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>36</u> TWP. <u>25N</u> RGE. <u>2W</u> NMPM		12. County Rio Arriba	
19. Proposed Depth 3700'		19A. Formation Pictured Cliffs	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 7434' GR	
21A. Kind & Status Plug. Bond Statewide		22. Approx. Date Work will start 11-1-73	

23.

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#	150'	100	Surface
7-7/8"	4-1/2"	9.5#	3700'	600	1000'

Drill well with minimum mud to test Pictured Cliffs formation, set casing through P.C., selectively perforate and sand-water frac with 30,000 lbs 20-40 sand, clean out after frac, and run 1-1/4" O.D. 2.4# tubing.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 12-30-73

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. 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 Original signed by T. A. Dugan Title Engineer Date 9-28-73
Thomas A. Dugan
(This space for State Use)

APPROVED BY AR Kendrick TITLE PETROLEUM ENGINEER DIST. NO. 3 DATE OCT 1 1973
CONDITIONS OF APPROVAL, IF ANY:

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

All distances must be from the outer boundaries of the Section

Operator Jerome P. McHugh			Lease Cougar		Well No. 2
Unit Letter K	Section 36	Township 25 North	Range 2 West	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the South line and 1850 feet from the West line					
Ground Level Elev. 7434	Producing Formation Pictured Cliffs		Pool Gavilan ext	Dedicated Acreage: 160 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 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.

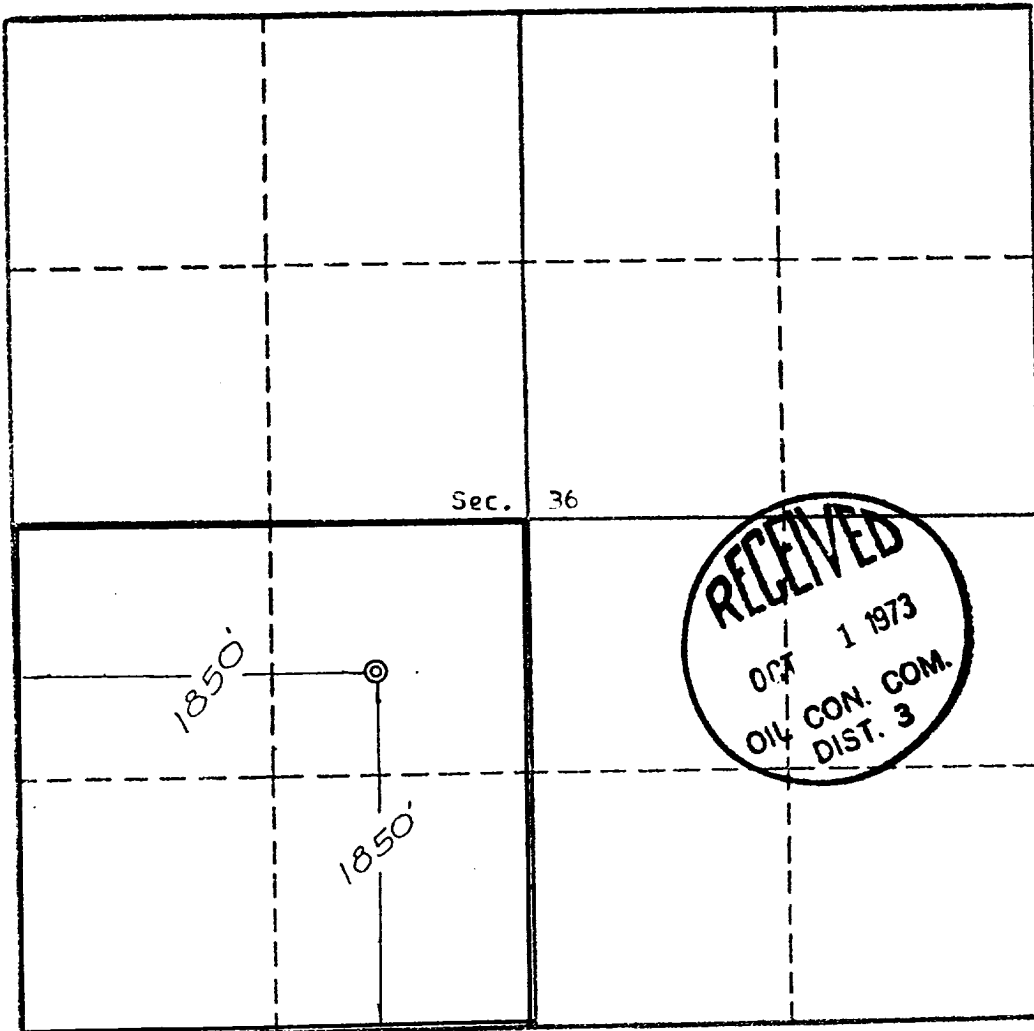
Original signed by T. A. Dugan

Name
Thomas A. Dugan
Position
Engineer
Company
Jerome P. McHugh
Date
9-28-73

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. 3602

Date Surveyed
September 12, 1973
Registered Professional Engineer
and/or Land Surveyor

E. V. Echolaw
Certificate No. **3602**
E. V. Echolaw LS



Scale, 1 inch = 1,000 feet