

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
NM37609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal 8

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8 T10S R31E

12. COUNTY OR PARISH  
Chaves

13. STATE  
NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER Re-entry SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Hexagon Oil and Gas Inc.

3. ADDRESS OF OPERATOR  
810 Houston, Suite 1800 Fort Worth, Texas 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
460' FSL & 660' FEL, Sec. 8 T10S, R31E  
At proposed prod. zone  
2250' Yates Formation

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
6 miles Northwest of Caprock, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
460'

16. NO. OF ACRES IN LEASE  
1920.96

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
NONE

19. PROPOSED DEPTH  
2250'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4226.5 GL

22. APPROX. DATE WORK WILL START\*  
Upon approval

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# J-55	1400'	900 sx class "C"
7 7/8	4 1/2	10.5# J-55	2250'	

Well drilled by Maralo, Inc. to a depth of 4030'

Well plugged 10/6/87 after testing San Andres Formation (3890'-3960')  
New operator will drill out cement and plug back to 2250' to test  
Yates Formation (2010'-2040'), set 4 1/2" casing at 2250'

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BUREAU OF LAND MGT  
ROS WELL RESOURCE  
AREA

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 [Signature] TITLE PRESIDENT DATE 4-9-88

(This space for Federal or State office use)

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

APPROVED BY S/Phil Kirk TITLE Area Manager DATE JUN 3 1988

CONDITIONS OF APPROVAL, IF ANY:

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE. APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON. U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUPPLEMENTAL DRILLING DATA

HEXAGON OIL AND GAS INC.

FEDERAL 8 WELL NO. 1

1. SURFACE FORMATION: Quaternary.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	1400'
Salt	1450'
Yates	1950'



3. ANTICIPATED POSSIBLE HYDROCARBON BEARING ZONES:

Yates Oil

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	SETTING DEPTH		WEIGHT	GRADE	JOINT
	FROM	TO			
8-5/8"	0	1400'	24#	K-55	STC
4-1/2"	0	2250'	10.5#	K-55	STC

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

8-5/8" casing will be cemented with sufficient Light cement, tailed-in with 250 sacks of Class "C" with 2% CaCl, to circulate.

4-1/2" casing will be cemented with 300 sacks of cement.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment, while drilling below the 8-5/8" casing seat, will consist of a 3000 psi working pressure, dual, ram type preventer.

A BOP sketch is attached.

6. CIRCULATING MEDIUM:

Surface to 1400 feet: Fresh water with lime or gel as needed for viscosity control.

1400' to Total Depth: Water base drilling fluid conditioned as necessary for control of viscosity, pH, and water-loss. Weighted as necessary for well control.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor while drilling operations are in progress.

8. TESTING, LOGGING AND CORING PROGRAMS:

No electric log.

No coring is planned.

9. ABNORMAL PRESSURES AND TEMPERATURES:

None anticipated.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence upon approval of this application with drilling and completion operations lasting about 10 days.



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**JUN 8 1988**

**GCD  
HOBBS OFFICE**

MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

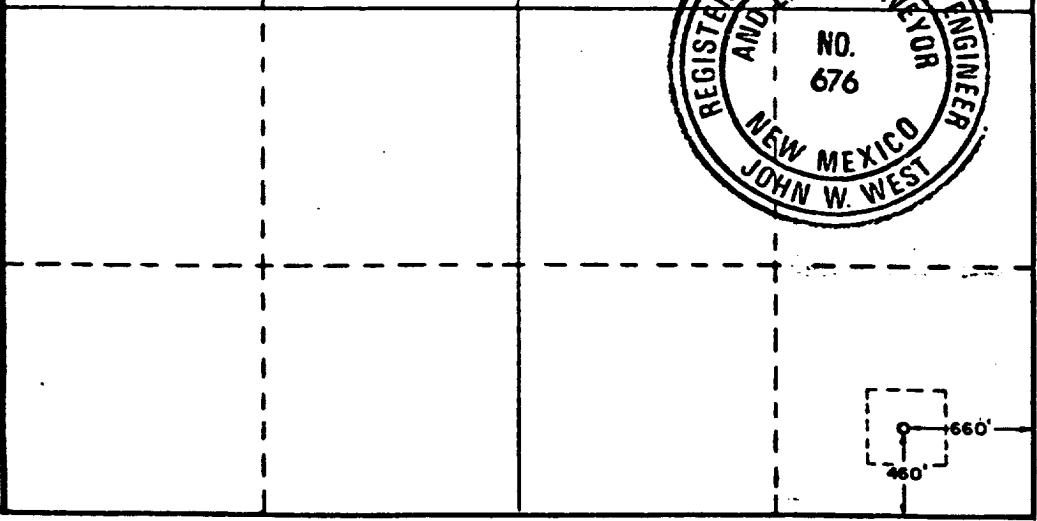
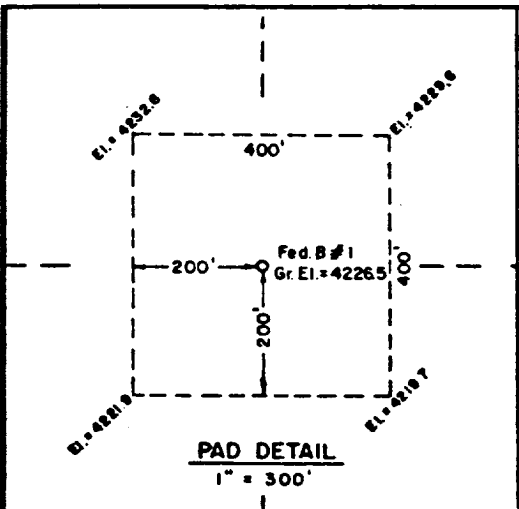
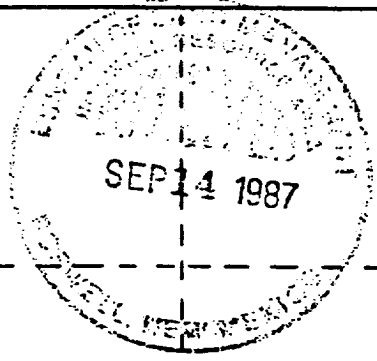
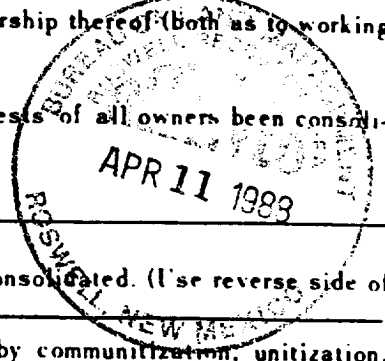
Operator <b>Maralo, Inc.</b>		Lease <b>Federal 8</b>			Well No. <b>1</b>
Unit Letter <b>P</b>	Section <b>8</b>	Township <b>10 South</b>	Range <b>31 East</b>	County <b>Chaves</b>	
Actual Footage Location of Well: <b>460</b> feet from the <b>south</b> line and <b>660</b> feet from the <b>east</b> line					
Ground Level Elev. <b>4226.5</b>	Producing Formation <b>yates SAN ANDRES</b>		Pool <b>WILDCAT</b>	Dedicated Acreage: <b>40</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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: *Arthur R. Brown*  
**Arthur R. Brown**

Position: **Agent**

Company: **MARALO, INC.**

Date: **SEPTEMBER 11, 1987**

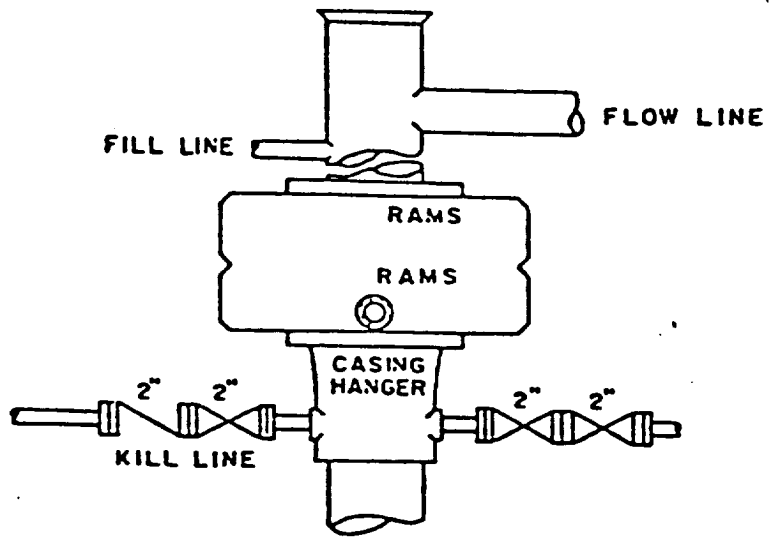
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **August 25, 1987**

Registered Professional Engineer and/or Land Surveyor

*John W. West*  
Certificate No. **JOHN W. WEST 676**  
**RONALD J. EIDSON, 3239**





**BOP STACK**

**3000 PSI WORKING PRESSURE**

**BOP ARRANGEMENT**

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