

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-24961

5. LEASE DESIGNATION AND SERIAL NO.  
N00-C14-20-3023

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo Allotted

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Nassau

9. WELL NO.

#3E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

\* Sec 23 T26N R11W

12. COUNTY OR PARISH | 13. STATE

San Juan

NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

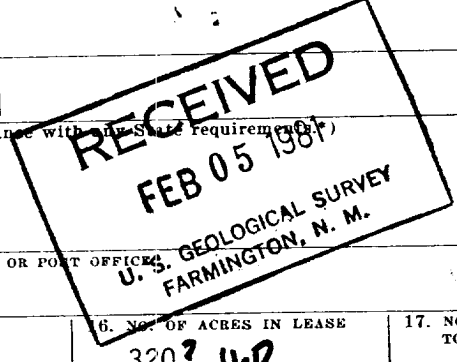
1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Jerome P. McHugh

3. ADDRESS OF OPERATOR  
P O Box 208, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with State requirements)  
At surface 1580' FSL - 1700' FEL  
At proposed prod. zone



14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
15 miles south of Bloomfield, NM

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 940'

6. NO. OF ACRES IN LEASE  
320? 160

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2000'

19. PROPOSED DEPTH  
6270'

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6309'

22. APPROX. DATE WORK WILL START\*  
ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

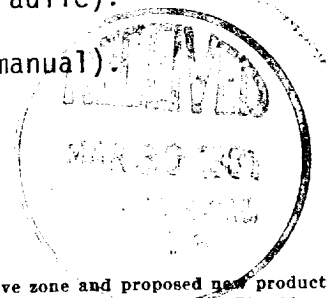
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	200'	140 sx
7-7/8"	4-1/2"	10.5#	6270'	513 cu. ft., 1st stage
				1203 cu. ft., 2nd stage

Plan to drill w/ mud to test Basin Dakota formation. Will run IES log to TD. Will set 4-1/2" casing, cement in two stages, selectively perforate, frac, clean out, and run 1 1/2" tubing and complete well.

Plan to use BOP furnished by rig while drilling (10" 3000 psi hydraulic).

Plan to use BOP rental while completing (6" 3000 psi double-gate manual).

GAS DEDICATED



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 Jerome P. McHugh Jr. TITLE Agent DATE 2-3-81

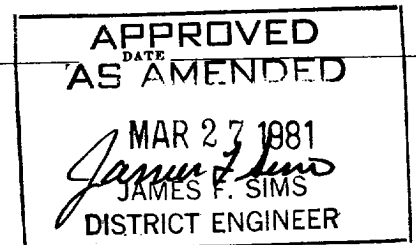
(This space for Federal or State office use)

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

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

*Handwritten initials*

\*See Instructions On Reverse Side



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

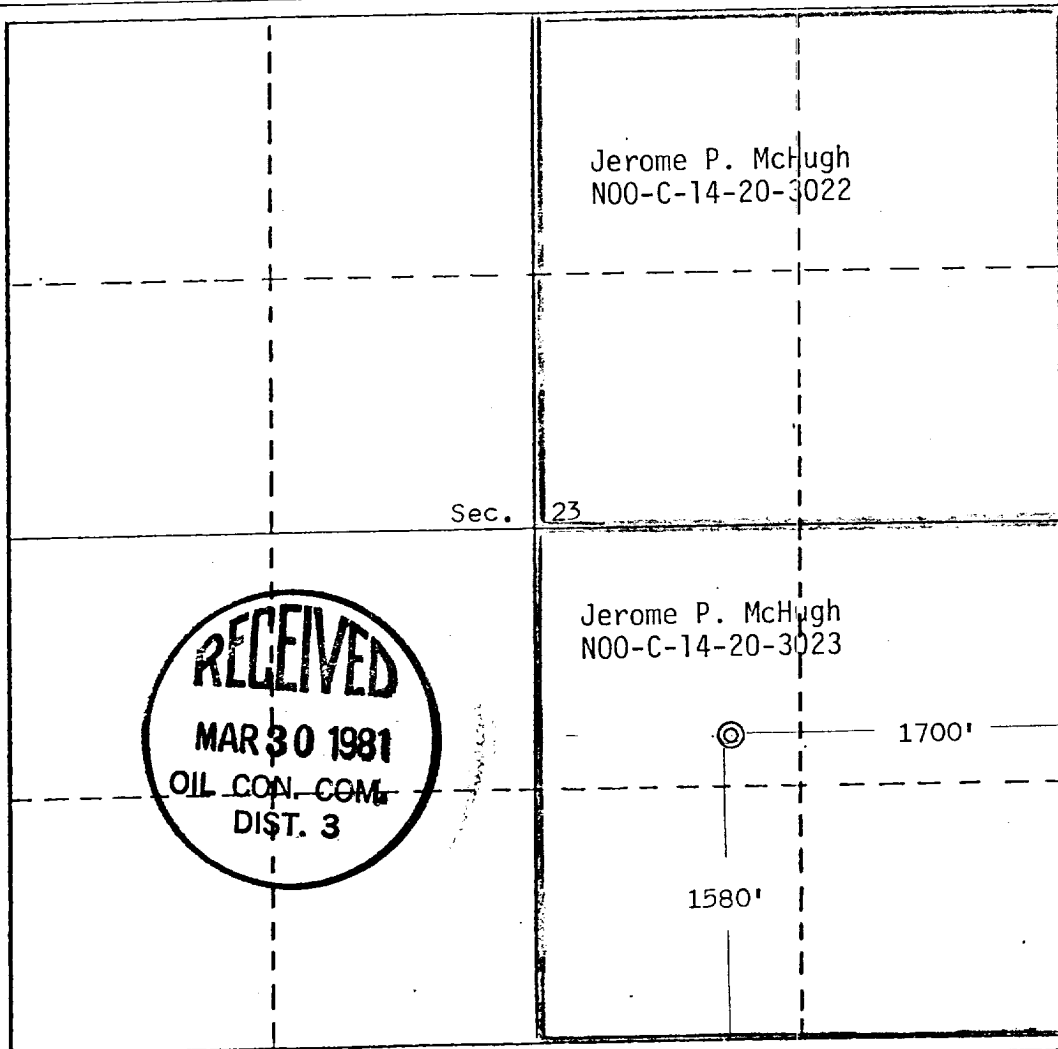
Operator Jerome P. McHugh		Lease Nassau		Well No. 3-E
Unit Letter J	Section 23	Township 26 North	Range 11 West	County San Juan
Actual Footage Location of Well:				
1580	feet from the South	line and	1700	feet from the East
Ground Level Elev. 6309	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: 320 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 Division.



CERTIFICATION

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

*Jerome P. McHugh Jr.*

Name  
Jerome P. McHugh Jr.

Position  
Agent

Company  
Dugan Production Corp.

Date  
2-3-81

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

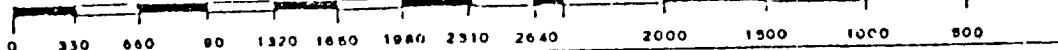
EDGAR L. RISENHOOPER  
REGISTERED LAND SURVEYOR  
NEW MEXICO  
5979

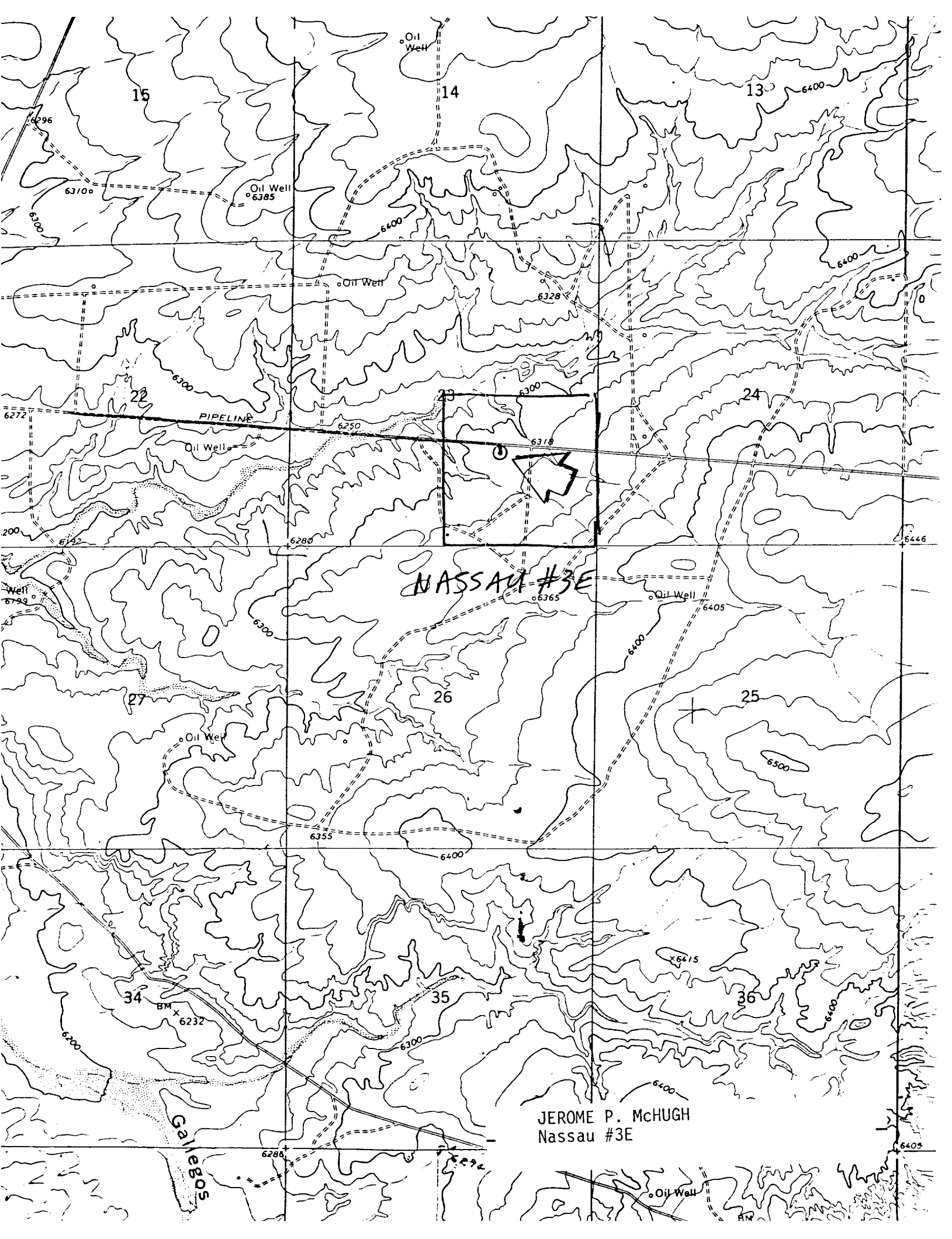
Date Surveyed  
January 27, 1981

Registered Professional Engineer and/or Land Surveyor

*Edgar L. Risenhoover*

Certificate No. 5979  
Edgar L. Risenhoover, L.S.





NASSAU #3E

JEROME P. McHUGH  
Nassau #3E