

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. Tract 251; Contract 000154		
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"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
2. NAME OF OPERATOR Marathon Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box #39, Sidney, Nebraska 69162			8. FARM OR LEASE NAME Jicarilla Apache		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' FSL, 990' FEL, Section 27, T.26N., R.5W., NW¼ SE¼ SE¼ At proposed prod. zone			9. WELL NO. 8		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Jicarilla Basin Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW SE SE Sec. 27, T.26N., R.5W.		
16. NO. OF ACRES IN LEASE 2560			12. COUNTY OR PARISH Rio Arriba		
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6660' G.L.			22. APPROX. DATE WORK WILL START* December 5, 1966		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6½"	4½" OD	11.6	7600'	400 sacks

We are requesting permission to deepen this well to the Basin Dakota Sand. A string of 7" OD, 20#, J-55 casing is set at 3070' and gas production is from the Pictured Cliffs open hole section 3070'-3171'. The present producing rate is 39 MCFD at 252 psig. Static surface pressure is 318 psig. Cumulative gas production to 10-1-66 is 188,232 MCF.

We propose to deepen this well to the Basin Dakota Sand with 6½" bits utilizing natural gas as the drilling fluid. A string of 4½" OD, 11.6#, J-55 casing will be landed from T.D. to surface and cemented in 2 stages with 400 sacks of cement. Our logging program will consist of an IES and Density Log. Indicated productive intervals in the Basin Dakota Sand will be perforated two holes per foot with jets. Stimulation will consist of sand-water fracture treatment with approximately 3500 pounds of sand per foot of perforations. Our blow-out preventer program includes Cameron Double Hydraulic and Hydril Series 900 with closing accumulator, blind rams, and rams to fit the drill pipe.

If Gallup Sand (Basal Niobrara) development is found in this well, a production test will be conducted and the possibility of dual completion considered.

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


A. C. Sullivan


TITLE District Operations Manager DATE November 29, 1966

(This space for Federal or State office use)

PERMIT NO.

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:



TITLE

APPROVAL DATE



DATE

See Instructions On Reverse
GEOLOGICAL SURVEY
FARMINGTON, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

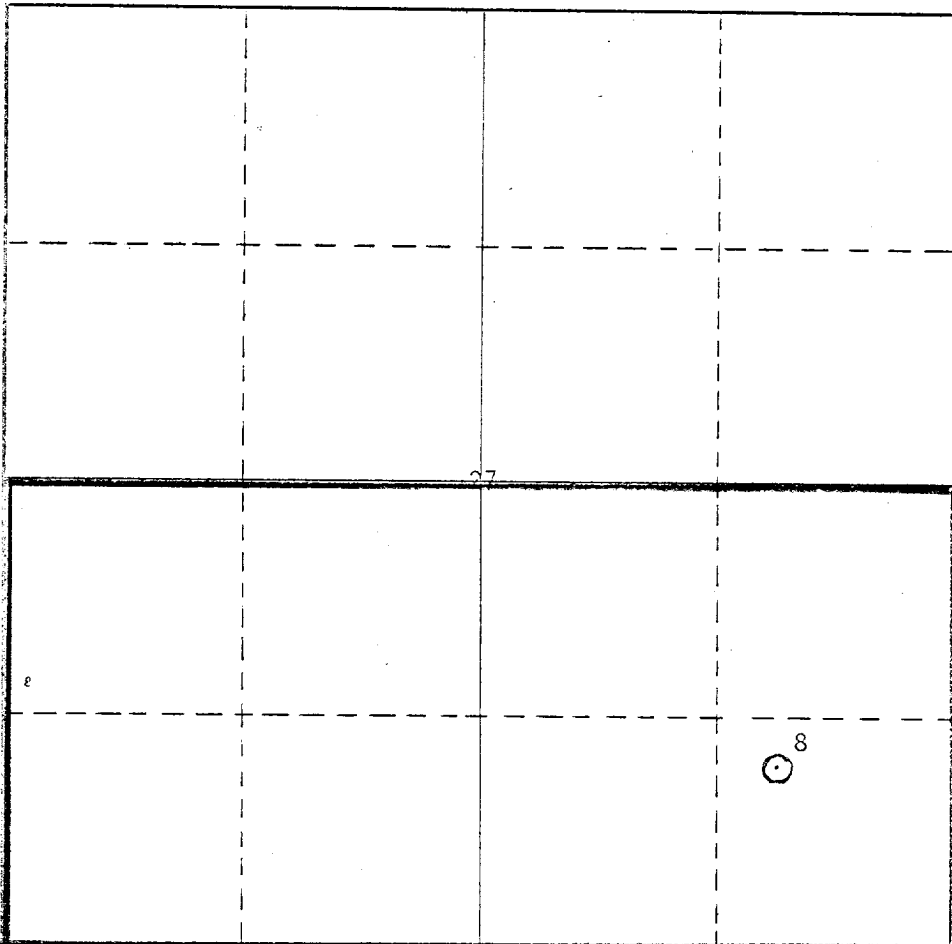
Operator Marathon Oil Company			Lease Jicarilla Apache		Well No. 8 (OWDD)
Unit Letter P	Section 27	Township 26N	Range 5W	County Rio Arriba	
Actual Footage Location of Well:					
990 feet from the South line and		990 feet from the East line			
Ground Level Elev. 6660'	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.) Marathon Oil Company - Tract 251

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.

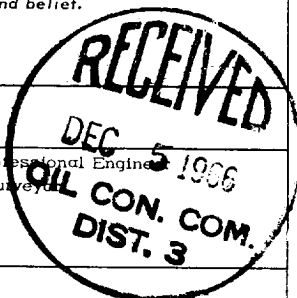
Name A. Sullivan
Position District Operations Manager
Company Marathon Oil Company
Date November 29, 1966

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.



0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0