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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

3-125-27128

Form C-101
Revised 1-1-65

5A. In Route Type of Lease	
STATE ☐	FEL ☒
5. State Oil & Gas Lease No.	
NA	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐		Undesignated	
c. Kind of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐		8. Name of Lease Tract	
d. Name of Operator Gifford, Mitchell & Wisenbaker		Buffalo Hump	
e. Address of Operator 1280 Midland National Bank Tower, Midland, Texas 79701		9. Well No. 6	
f. Location of Well UNIT LETTER N LOCATED 660 FEET FROM THE South LINE		10. Field and Pool, or Field	
1980 FEET FROM THE West LINE OF SEC. 27 TWP. 26 S. RGE. 36 E. NMEM		Comanche Stateline	
		11. County	
		Lea	
		12. Proposed Depth	13A. Formation
		4000	Tansil - Yates
		13B. History of C/W	
		Rotary	
14. Elevation (show whether DP, RI, etc.)		21B. Drilling Contractor	22. Approx. Date Work will start
2899 GR		A. J. Price	11/30/80
21A. Kind & Status Plug. Bond			
Blanket			

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	1400	750	surface
7 7/8"	5 1/2"	14	3750	450	1000'

The Blowout Preventer Program will consist of one 10" 3000 psi WP double BOP (1 pipe ram, 1 blind ram). The BOP will be installed when 8 5/8" casing is set and cemented.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 1/31/81

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 L. B. Stitt Title Production Engineer Date 10/29/80

(This space for State Use)

APPROVED BY Leshie A. Clements TITLE _____ DATE _____

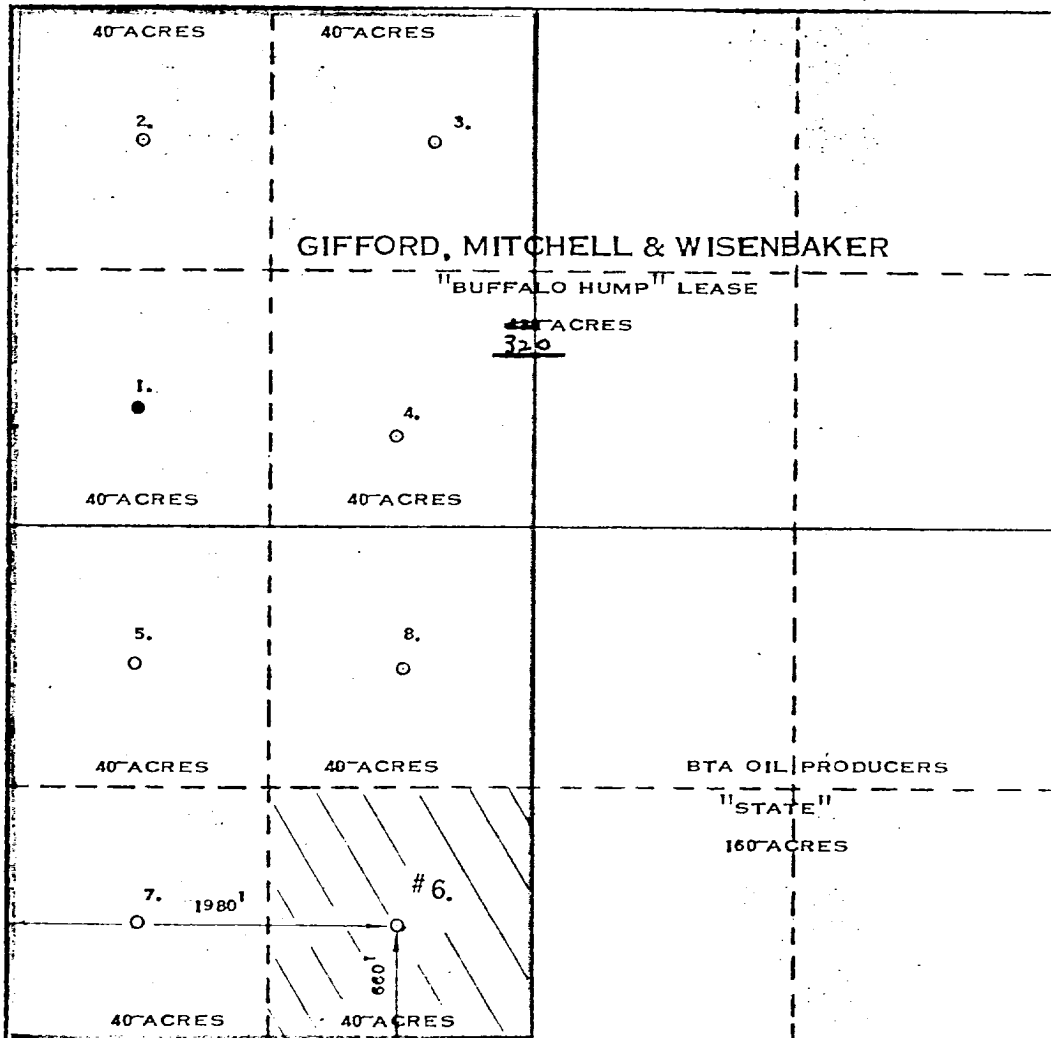
CONDITIONS OF APPROVAL, IF ANY:

* Confirm top of Cmt by Temp Survey

Form C-102
Supersedes C-12
Effective 1-1-65

Operator GIFFORD, MITCHELL & WISENBAKER		Lease BUFFALO HUMP		Well No. 6
Unit Letter "N"	Section -27	Township -26-S	Range -36-E	County LEA
Actual Footage Location of Well:				
660 feet from the SOUTH line and 1980 feet from the WEST line				
Ground Level Elev. 2899	Producing Formation TANSIL YATES	Pool COMANCHE STATE LINE		Dedicated Acreage: 40 Acres

- 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.



Certificate No.

1510

COUNTY **LEA** FIELD **Comanche Stateline** STATE **NM**
 OPR **GIFFORD, MITCHELL & WISENBAKER** API **30-025-27128**
 NO **6** LEASE **Buffalo Hump** MAP
 Sec 27, T26S, R36E CO-ORD
 660 FSL, 1980 FWL of Sec 2-3-23 NM
 5 mi SW/Bennett SPD 11-19-80 CMP 12-24-80

CSG

9 5/8-1016-2200 sx
 5 1/2-3563-500 sx
 2 3/8-3378

WELL CLASS: INIT D FIN DO LSE. CODE			
FORMATION	DATUM	FORMATION	DATUM
TD 3564 (QUEN)		PBD 3554	

IP (Yates) Perfs 3493-3537 P 30 BOPD + 90 BW. Pot
 based on 24 hr test. GOR 1200; gty (NR)

CONTR **Price** OPR\$ ELEV **2899 GL** PD **4000 RT**

F.R. 11-10-80
 (Yates)
 12-9-80 TD 3564; WOCT
 1-6-81 TD 3564; PBD 3554; TOP
 Perf (Queen) 3493-3537 (overall)
 Acid (3493-3537) 2875 gals
 Frac (3493-3537) 80,000 gals + 120,000# sd
 2-16-81 TD 3564; PBD 3554; Complete
 LOG TOPS: Yates 3332, Seven Rivers 3394,
 Queen 3489
 2-21-81 COMPLETION ISSUED

2-3-23 NM
 IC 30-025-70543-80