Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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: Union Texas Petroleum Corporation - Attn: Paula Priest

3. ADDRESS OF OPERATOR: P.O. Box 2120, Houston, Texas 77252-2120

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 828' FSL & 795' FEL
At proposed prod. zone:

5. LEASE DESIGNATION AND SERIAL NO.: SF 079616

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a

7. UNIT AGREEMENT NAME: n/a

8. FARM OR LEASE NAME: McCroden

9. WELL NO.: 6

10. FIELD AND POOL, OR WILDCAT: Ojito Blanco-MV

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: P Sec. 3, 25N-3W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 11.5 miles Northwest of Lindrith, New Mexico.

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
492' / 492'	480.0	320
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
240'	~~8314~~ 8320	04/10/89

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 7248' GR

22. APPROX. DATE WORK WILL START*: 04/01/89

23. 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#	324'	
7-7/8	4-1/2	11.6	~~8314'~~ 8320	

Plug back the Gallup-Dakota oil well and stimulate the Blanco Mesa Verde.

Procedures attached.

Hold C-104 For ~~Dakota~~ Blanco Changes to the SA

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 Paula Priest TITLE Regulatory Analyst DATE 03/30/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE APPROVED

APPROVED BY _____ TITLE _____ DATE APR 04 1989

CONDITIONS OF APPROVAL, IF ANY:

for AREA MANAGER

*See Instructions On Reverse Side

~~GALLUP~~

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-102
Revised 1-1-89

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
Union Texas Petroleum Corporation	McCroden	6

Unit Letter	Section	Township	Range	County
P	3	25 N	3 W NMPM	Rio Arriba

Actual Footage Location of Well:
828 feet from the South line and 795 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
7248'	Blanco Mesa Verde	Ojito	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

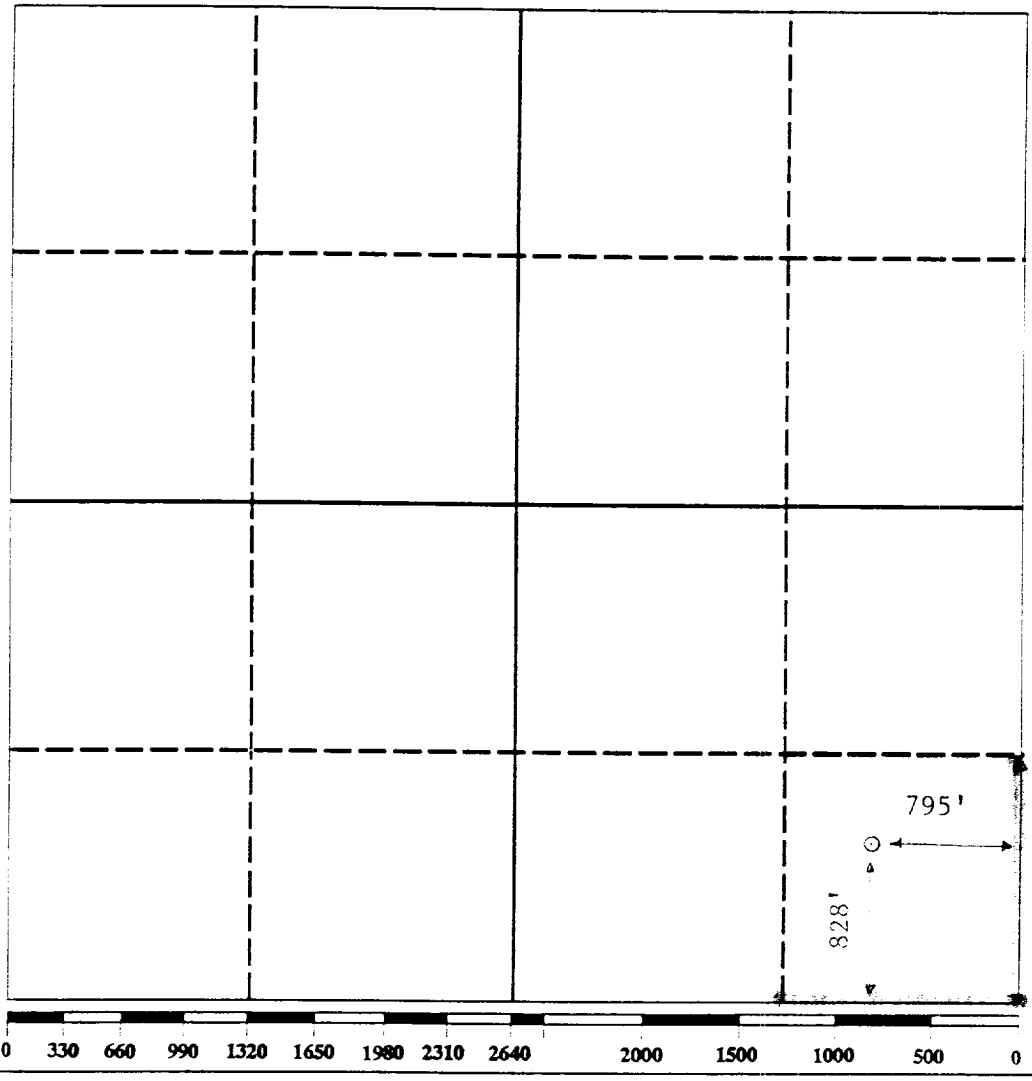
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 neccessary. _____

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 interest, has been approved by the Division. -- Ojito; -- Blanco Mesa Verde



OPERATOR CERTIFICATION

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

Signature: Paula Priest

Printed Name: Paula Priest

Position: Regulatory Analyst

Company: Union Texas Petroleum Corp.

Date: 03/30/89

SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

RECOMMENDED PROCEDURE

McCroden #6 MV

1. Dig blow pit, lay blowlines, and test rig anchors.

2. MIRUSU. TOH with 8062' 2-3/8" tubing. Run gauge ring to 6300'. Set top drillable bridge plug at 6300'. Load hole with 1% KCl water. Run CBL 6300' to T.O.C. Pressure test to 4500 psi.

3. Perf Point Lookout at 5901',02',03',04',05',06',07',08',09',10',11', 31',32',33',39',40',41',42',43',44',45',55',56',57',58',69',70',71', 72' with 29 - 0.32" shots. Use 3-1/2" select fire casing gun.

4. Run 4-1/2" packer on 2-3/8" tubing to 5972'. Spot 100 gals 7-1/2% HCl across perfs. Set packer at 5700' (below top of cement), and with 500 psi monitored on backside, break down perfs with 2500 gals 15% HCl and 58 - 7/8" 1.3 sp. gr. RCN perf balls spaced evenly through the fluid. Maximum pressure 4500 psi. Acid to contain 1 gal/1000 gals water of SAA-3 (surfactant), 2 gals/1000 gals water of C1A-2 (corrosion inhibitor) and 25#/1000 gals acid of CA1. Lower packer to 5980' to knock off balls. TOH.

5. Frac Point Lookout perfs with 100,000# 20/40 sand in 140,000 gals 1% KCl water at 45 BPM down 3-1/2" tubing as follows:

Stage	Fluid	Sand
Pad	34,000 gals	
1/2#/gal sand	20,000 gals	10,000#
1#/gal sand	78,000 gals	78,000#
1-1/2#/gal sand	8,000 gals	12,000#
Flush	(3,953 gals)	
	140,000 gals	100,000#

Anticipated surface pressure 2500 psi. Maximum pressure 4500 psi. All sand to be tagged with R.A. material. Frac fluid to contain 1 gal/1000 gals water of SAA-2 (surfactant) and 0.5 gal/1000 gals water WFR-2 (friction reducer). TOH.

6. Hydrotest 2-3/8" tubing and replace all bad joints. TIH and clean out to 6300' with air/mist. Obtain pitot gauges when possible.

7. Run after frac G. R. log 6300'-5700'.

8. Land 2-3/8" tubing at 5950' and resume production.

P. M. Pippin
Production Engineer

N. K. Buller
Sr. Drilling Foreman