30-045-24718

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

5. LEASE DESIGNATION AND SERIAL NO.: SF-077865

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] OTHER — SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Albright

2. NAME OF OPERATOR: Union Texas Petroleum

9. WELL NO.: 8-A

3. ADDRESS OF OPERATOR: 375 U.S. Highway 64, Farmington New Mexico 87401

10. FIELD AND POOL, OR WILDCAT: Blanco-Mesaverde

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1908' FSL & 634' FWL
At proposed prod. zone: Same as above

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 15, T29N,R10W

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FARMINGTON RESOURCE AREA

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 3 miles South West of Blanco, New Mexico

12. COUNTY OR PARISH: San Juan | 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
634' / 634'	598.60	S-1/2 318.22
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**
360'	4870'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5799 G.L. (Ungraded)

22. APPROX. DATE WORK WILL START*: April 15, 1986

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36#	300'	270 sxs. (318 cu.ft.) Cl "B"
8-3/4"	7"	23#	2550'	410 sxs.(688 cu.ft.) 65-35 POZ
6-1/4"	4-1/2" liner	10.5	2350' -4870'	290 sxs.(455 cu.ft.) 50-50 POZ

Union Texas Petroleum wishes to advise we intend to drill 13-3/4" hole with mud to 300+ and set 9-5/8" 36#, H-40, ST&C csg. to 300' ± cementing to surface with 270 sxs. (318 cu.ft.) Cl "B" with 2% CaC12 and 1/4# flocele/sk. Wait on cement for 12 hrs.

Nipple up test BOP. Drill 8-3/4" hole with mud out of surface to 2550+. Set 7", 23#, K-55, ST&C intermediate csg. to 2550+ cementing to the surface with 310 sxs.(570'cu.ft.) 65-35 POZ with 6% gel and 10# gilsonite per sack tailed by 100 sxs. (118 cu.ft) Cl "B" with 2% CaC12.

Drill 6-1/4" hole, with natural gas,out of intermediate to a TD of 4870'. Log the well, run 4-1/2" 10.5#, K-55, ST&C liner from 2350+ to 4870'+. Cement liner into intermediate csg. with 290 sxs (455 cu.ft.) 50-50 POZ with 4% gel and 6-1/4# gilsonite/sack.

Following perforation and treatment of the Mesaverde formation, standard production equipment will be installed and connection to the Albright Gathering System will be completed by 2" pipeline.

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 L. R. La Follette — TITLE Regulatory Analyst — DATE March 11,1986

L.R. La Follette

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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DIST. 3

APPROVED AS AMENDED
APR 04 1986
AREA MANAGER
FARMINGTON RESOURCE AREA

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

N.S.L.-224

*See Instructions On Reverse Side

Title 18 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.

NEW 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.

WELL PLAT-EXHIBIT I

Operator	Lease	Well No.
UNION TEXAS PETROLEUM CORPORATION	ALBRIGHT	8A

Unit Letter	Section	Township	Range	County
L	15	29 NORTH	10 WEST	SAN JUAN

Actual Footage Location of Well: 1908 feet from the SOUTH line and 634 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5799	Blanco	Mesaverde	S½ 318.22 Acres

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

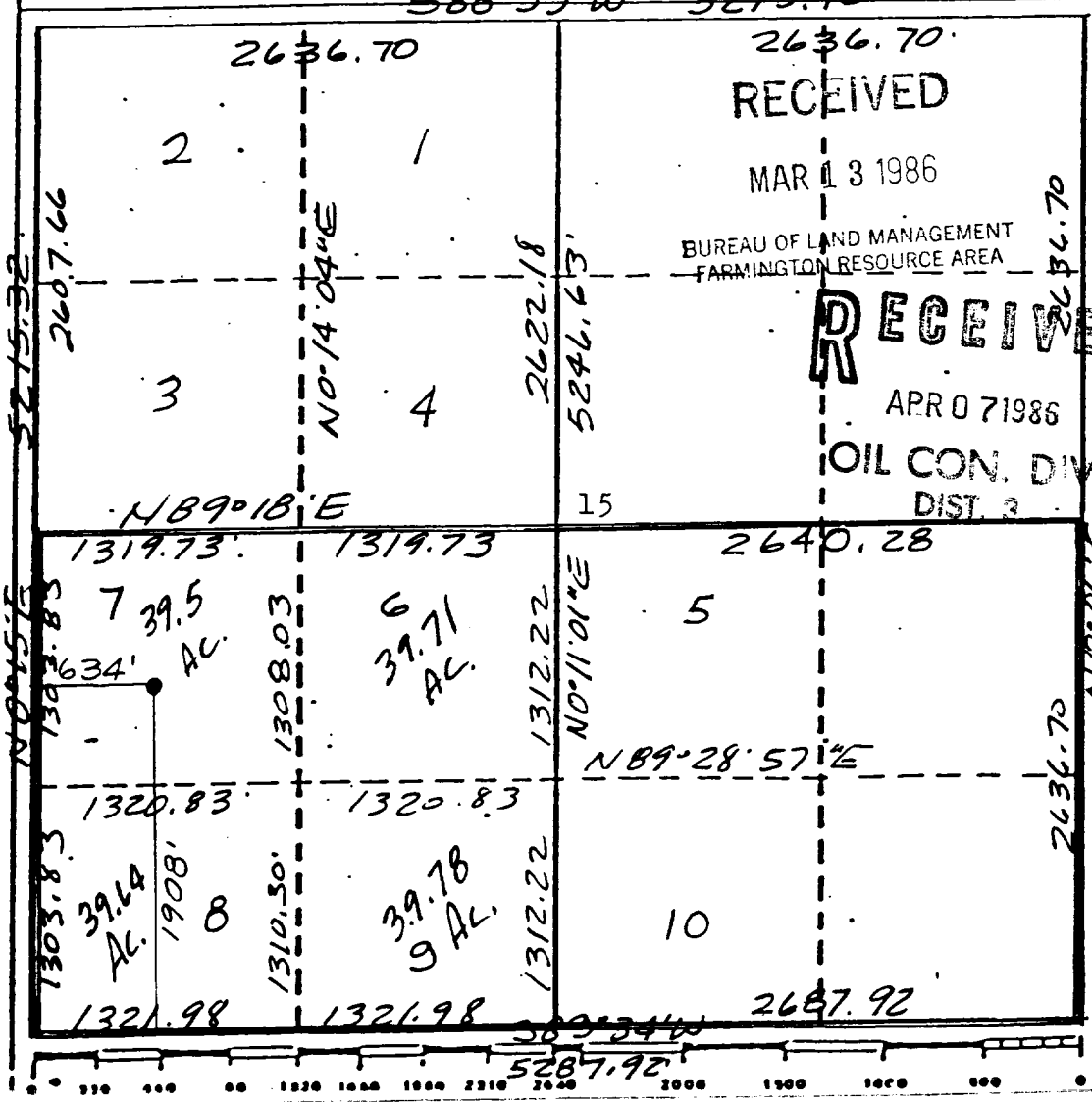
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation Communitized

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.

L. R. La Follette

Name: L. R. La Follette

Position: Regulatory Analyst

Company: Union Texas Petroleum

Date: 3-10-86

GEORGE R. TOMPKINS NEW MEXICO 7259 REGISTERED LAND SURVEYOR

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: November 12, 1984

Registered Professional Engineer and/or Land Surveyor

George R. Tompkins

Certificate No. 7259

TOPO MAP-EXHIBIT II

LEASE: SF 077865

ALBRIGHT # 8A

1908' FSL & 634' FWL

Sec. 15, T29N, R10W

San Juan County, N.M.

No new road needed.

661' of new pipeline needed.

1028' on Lat. 2W NM 55343, Albright Gathering System

LEGEND:

Proposed well ■

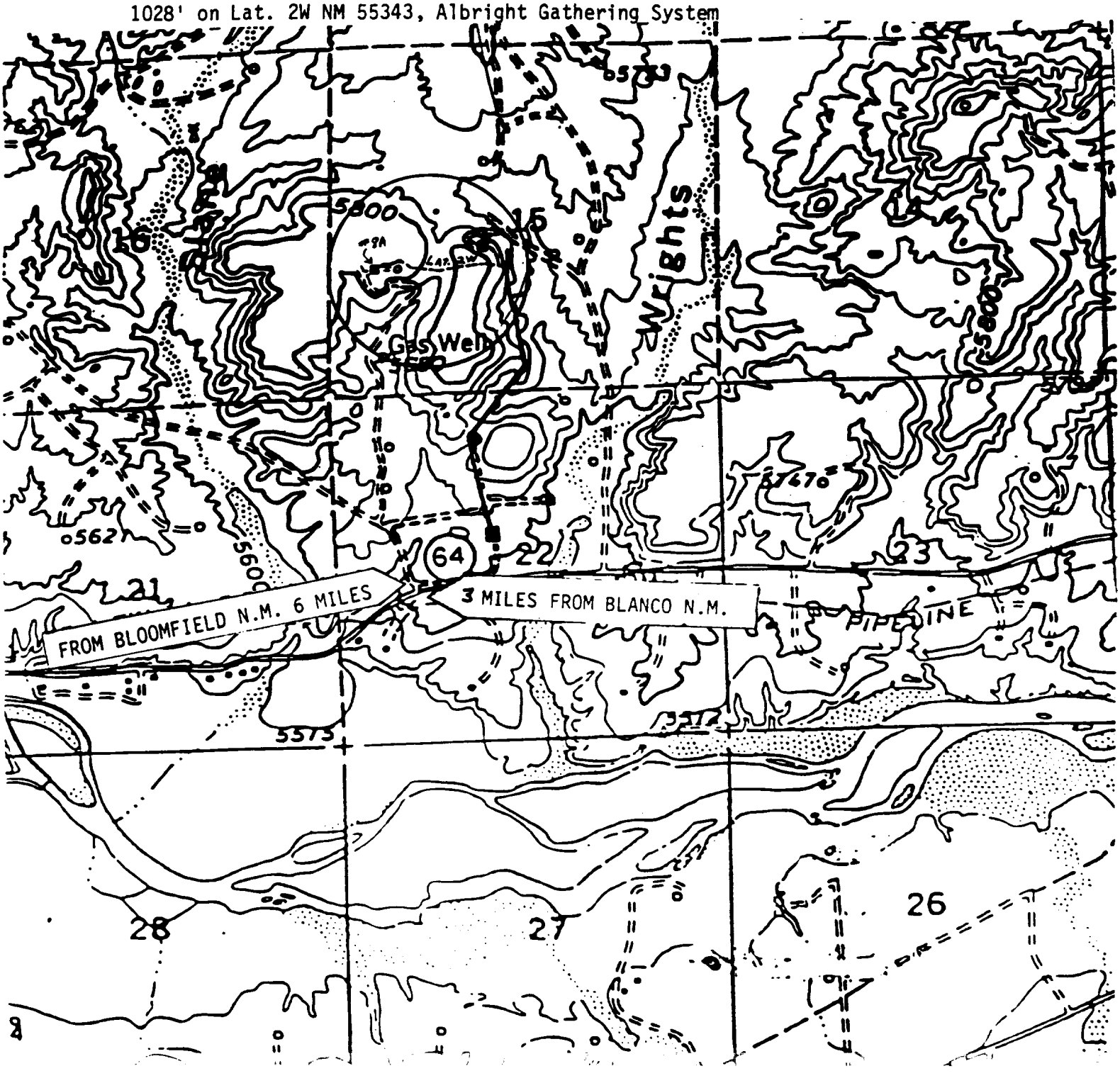
Proposed 2" pipeline -·-·-·-

Existing Main line ~~~~

Existing Road ====

U.S. Hiway 64 ═══

Existing well o



OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P O BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 5/8/87	
Company: Union Texas Petroleum Corp.		Connection: Union Texas Petroleum Corp.			
Pool: Blanco		Formation: Mesaverde		Unit	
Completion Date: 4/29/87	Total Depth: 4874	Plug Back TD: 4810	Elevation: 5822 GL	Farm or Lease Name: Albright	
Csg. Size: 4.500 (7.000)	Wt.: 23.0 10.5	d: 6.366 4.052	Set At: 2554	Perforations: From 4219 To 4717	Well No.: 8A
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 4623	Perforations: From 4592 To 4598	Unit: L Sec.: 15 Twp.: 29N Rge.: 10W
Type Well – Single – Bradenhead – G.C. or G.O. Multiple: Single - Gas			Packer Set At:		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12		State: New Mexico
L: 4592	H:	Gg: 0.690	% CO_2:	% N_2:	% H_2S: Prover: Meter Run: Taps:

FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	2"	3/4"				1021		1021		8 Days
1.						264	74°	628	74°	3 Hours
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		276	0.9868	0.9325	1.030	3235
2							
3							
4							
5							

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DIST. 3

NO.	P_t	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid _____ XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1033 P_c^2 1,067,089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		640	409,600	657,489
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6230$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.4379$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4652$

Absolute Open Flow 4652 Mcfd @ 15.025 | Angle of Slope @ _____ | Slope, n 0.75

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
	John C. Rector	John C. Rector	