

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30 045 25707

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APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK: DRILL DEEPEN PLUG BACK

2. TYPE OF WELL: OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

3. NAME OF OPERATOR: Union Texas Petroleum Corporation

4. ADDRESS OF OPERATOR: P. O. Box 808, Farmington, New Mexico 87499

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.):
At surface: 330 ft./North line and 2080 ft./West line
At proposed prod. zone: Same as above

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 1 mile South of Bloomfield, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any): 330 ft.

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1324 ft.

9. NO. OF ACRES IN LEASE: 600.69

10. NO. OF ACRES ASSIGNED TO THIS WELL: 40.40

11. PROPOSED DEPTH: 5981'

12. ROTARY OR CABLE TOOLS: Rotary

13. APPROX. DATE WORK WILL START: May 15, 1983

14. ELEVATIONS (Show whether DF, RT, GR, or M): 5595 GR

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7. UNIT AGREEMENT NAME: OIL CON. DIV.

8. FARM OR LEASE NAME: Summit

9. WELL NO.: 15

10. FIELD AND POOL, OR WILDCAT: Undesignated Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 34, T-29N, R-11W N.M.P.M.

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

21. OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START: May 15, 1983

23. This section is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	36.0# K-55	300'	250 cu. ft. (circulated)
8-3/4"	7"	26.0# K-55	5400'	1400 cu. ft. (circulated)
6-1/4"	4-1/2"	11.6# K-55	5200' - 5981'	150 cu. ft. (top of liner)

We desire to drill 13-3/4" surface hole to approx. 300 ft. using natural mud as circulating medium. Run new 9-5/8" casing to TD. Cement with approx. 250 cu. ft. of Class "B" cement circulated to the surface. Pressure test the casing to approx. 800 PSIG for 10 minutes. Drill 8-3/4" hole to approx. 5400 ft. using a starch base, permaloid, nondispersed mud as the circulating medium. Log the well. Run new 7" casing to TD with a DV tool at approx. 2000 ft. Cement 1st stage with approx. 750 cu. ft. of (65/35/6) followed by approx. 100 cu. ft. of Class "B" cement. Cement the second stage with approx. 450 cu. ft. of (65/35/12) followed by approx. 100 cu. ft. of Class "B". Circulate cement to surface. Drill out the DV tool. Pressure test the pipe to 1500 PSIG for 10 minutes. Drill out with 6-1/4" bit to approx. 5981 ft. using natural gas as the circulating medium. Log the well. Run new 4-1/2" casing to TD and cement with approx. 150 cu. ft. of 50/50 Poz mix. WOC. Perforate and fracture the Gallup zone. Clean the well up. Run new 2-3/8" EUE, 4.7#, J-55 tubing to the Gallup zone. Run rod pump and rods. Set a pumping unit and tanks. Install a pipeline from the wellhead to the existing Rudy Gathering System and test the well. The gas from this well has previously been dedicated to a transporter. NOTE: Actual cement volumes to be calculated from caliper log.

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: W.K. Cooper TITLE: Field Operations Manager DATE: April 15, 1983

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: James F. Sims TITLE: _____

CONDITIONS OF APPROVAL, IF ANY: ok

APPROVED
AS AMENDED
DATE: MAY 09 1983
JAMES F. SIMS
DISTRICT ENGINEER

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

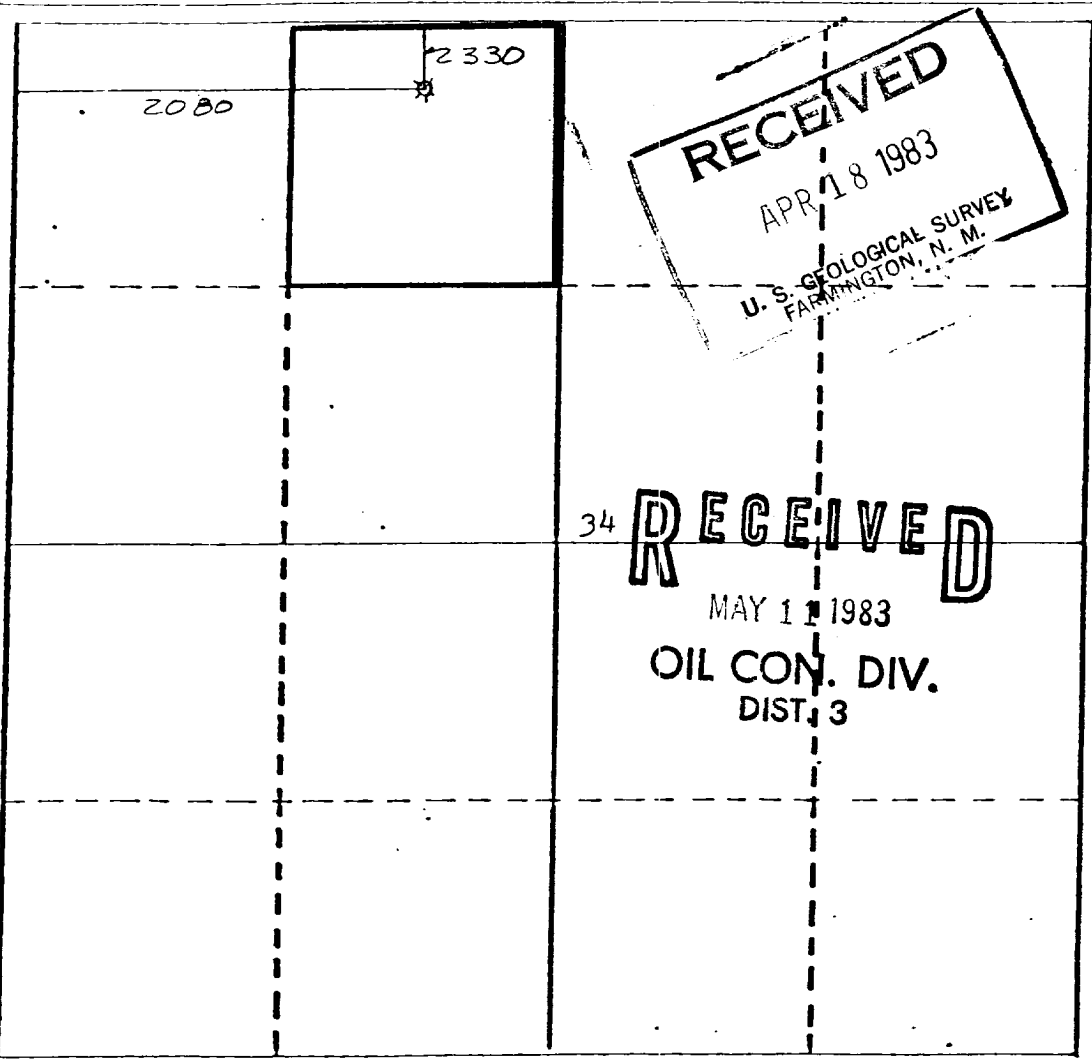
Operator UNION TEXAS PETROLEUM CORPORATION		Lease SUMMIT		Well No. 15
Unit Letter C	Section 34	Township 29 NORTH	Range 11 WEST	County SAN JUAN
Actual Footage Location of Well: 330 feet from the NORTH line and 2080 feet from the WEST line				
Ground Level Elev. 5595	Producing Formation CALLUP	Pool UNDESIGNATED	Dedicated Acreages 40.40 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 _____

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.

Rudy D. Motto
Name

Rudy D. Motto
Position
Area Operations Manager

Company
Union Texas Petroleum Corp.

Date
April 4, 1983

I hereby certify that the well location shows 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.

Michael Daly
Date Surveyed
March 29, 1983

Registered Professional Engineer and/or Land Surveyor

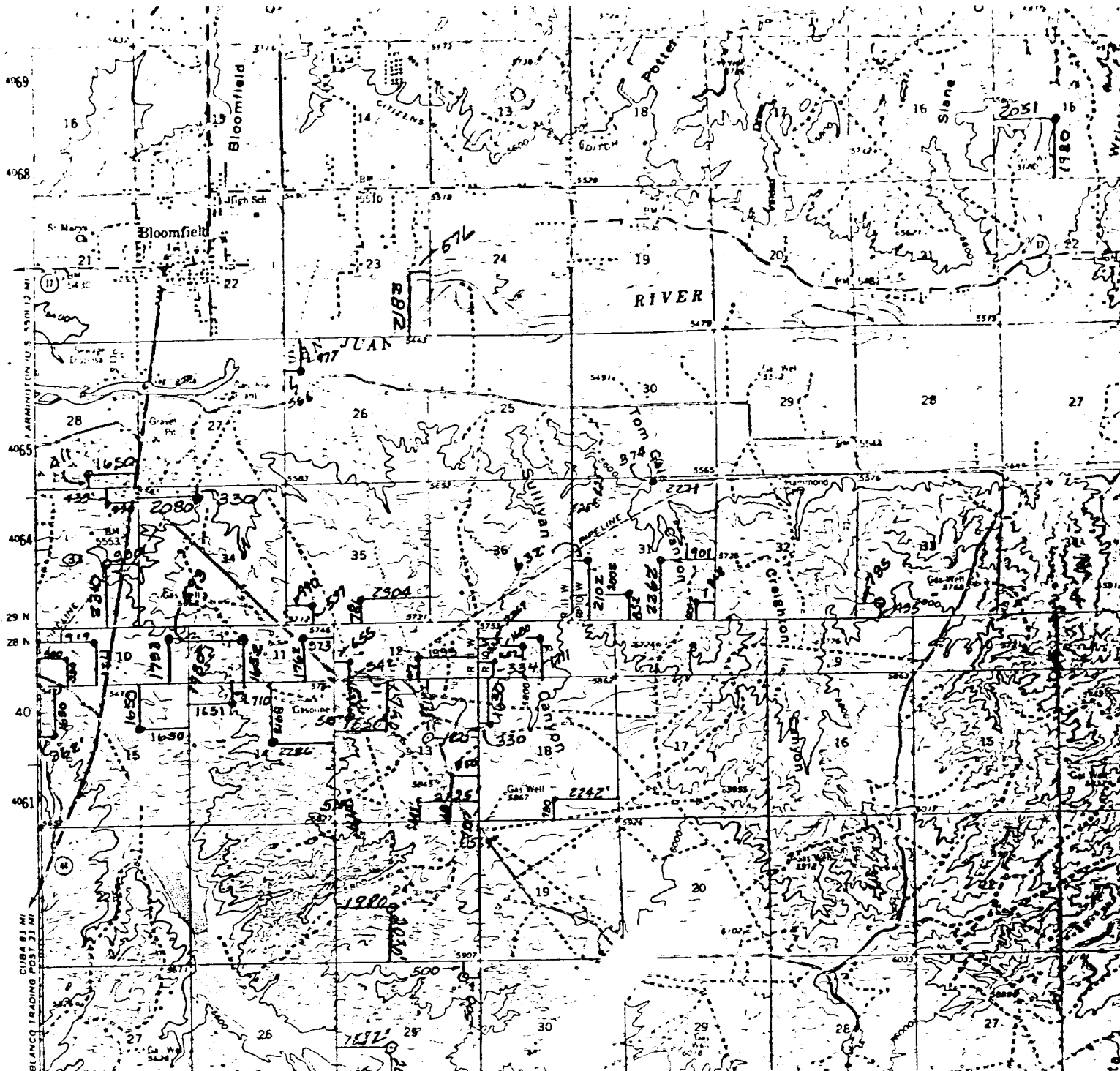
Michael Daly

Certificate No.
5992

UNION TEXAS PETROLEUM CORPORATION

Summit No. 15

1. The geologic name of the surface formation is "Wasatch".
2. The estimated tops of important geologic markers are:
- | | | |
|-------------------------|------|-----|
| A. Top of the Ojo Alamo | 594 | ft. |
| B. Kirtland | 721 | ft. |
| C. Fruitland | 1401 | ft. |
| D. Pictured Cliffs | 1724 | ft. |
| E. Chacra | 2729 | ft. |
| F. Cliff House | 3306 | ft. |
| G. Point Lookout | 4026 | ft. |
| H. Gallup | 5331 | ft. |
3. The estimated depths at which anticipated water, oil or other mineral bearing formations are expected to be encountered are:
- | | | | |
|-------------------------|------|-----|-----------|
| A. Top of the Ojo Alamo | 594 | ft. | Water |
| B. Kirtland | 721 | ft. | Water |
| C. Fruitland | 1401 | ft. | Water |
| D. Pictured Cliffs | 1724 | ft. | Gas |
| E. Chacra | 2729 | ft. | Gas |
| F. Cliff House | 3306 | ft. | Water |
| G. Point Lookout | 4026 | ft. | Gas |
| H. Gallup | 5331 | ft. | Oil & Gas |
4. The casing program is shown on form 9-331C and all casing is new.
5. The lessee's pressure control equipment schematics are attached, along with minimum specifications, testing procedures, and frequencies.
6. The type, estimated volumes, and characteristics of the circulating medium are as follows:
- | | | |
|--------------------|-----|--|
| A. 0 - 300 + | ft. | Natural Mud |
| B. 300 + - 5400 + | ft. | Permaloid non-dispersed mud containing approx. 150 sx. gel, 60 sx. of permaloid and 15 sx. of CMC. |
| C. 5400 + - 5981 + | ft. | Natural Gas |
7. The auxiliary equipment to be used will be floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.
8. The well is in an area which is partially developed; therefore, we will not have a testing and coring program. The logging program is as follows:
- | |
|--------------------|
| A. G.R. - DIFL |
| B. GR - CAL |
| C. F.D.C. - C.N.L. |
9. We do not expect to find any abnormal pressures, temperatures or hydrogen sulfide problems in this partially developed area.
10. The anticipated starting date for this well is: May 15, 1983



UNION TEXAS PETROLEUM CORPORATION
 Summit 15
 NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 34, T29N, R11W, N.M.P.M.,
 San Juan County, New Mexico

