Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-045-25785

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

AUG 5 1983
OIL CON. DIV.
DIST. 3

RECEIVED
MAY 12 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

5. LEASE DESIGNATION AND SERIAL NO.: NM 020982

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Mangum

9. WELL NO.: 8

10. FIELD AND POOL, OR WILDCAT: Undesignated Gallup

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: K Sec. 33, T-29N, R-11W, N.M.P.M.

12. COUNTY OR PARISH: San Juan

13. STATE: New Mexico

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

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

2. NAME OF OPERATOR: Union Texas Petroleum Corporation

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 1994 ft./South and 2306 ft./West lines
At proposed prod. zone: Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 2 miles South of Bloomfield, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 374 ft. / 374 ft.

16. NO. OF ACRES IN LEASE: 1088.20

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40.00

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1182 ft.

19. PROPOSED DEPTH: 5870'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5507' GR

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

22. APPROX. DATE WORK WILL START*: June 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

This action 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	5100'	1400 cu. ft. (circulated)
6-1/4"	4-1/2"	11.6# K-55	4900'-5870'	150 cu. ft. (top of liner)

We desire to drill 13-3/4" surface hole to approx. 300 ft. using natural mud as a 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. 5100 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. 65/35/12 followed by approx. 100 cu. ft. of Class "B". Circ. 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. 5870 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. Test the well and connect to a gathering system. The gas from this well has previously been dedicated to a transporter.

NOTE: Actual cement volumes will 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 May 10, 1983

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE AUG 05 1983

CONDITIONS OF APPROVAL, IF ANY:

For FARMINGTON RESOURCE AREA

NMOCC

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-7

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

Operator	Lease	Well No.
UNION TEXAS PETROLEUM CORPORATION	MANGUM	8

Unit Letter	Section	Township	Range	County
K	33	29 NORTH	11 WEST	SAN JUAN

Actual Footage Location of Well:
1994 feet from the SOUTH line and 2306 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5507	GALLUP	UNDESIGNATED	NE SW 40.00 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?

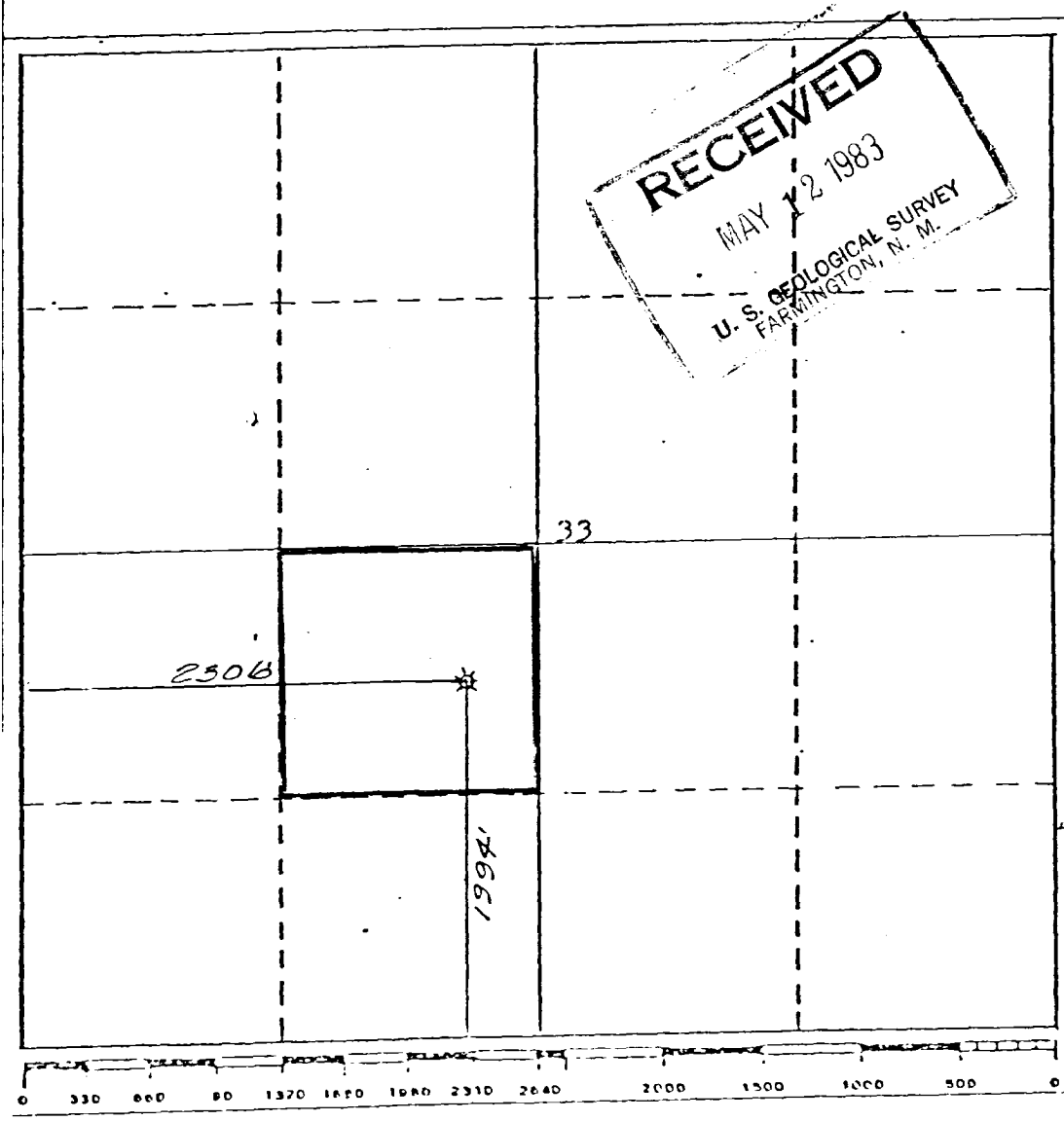
☐ Yes ☒ No If answer is "yes," type of consolidation _____

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.

RECEIVED
MAY 12 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

RECEIVED
APR 8 1983
OIL CON. DIV.
DIST. 3



CERTIFICATION

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

Name: Rudy D. Motto

Position: Area Operations Manager

Company: Union Texas Petroleum Corp.

Date: April 4, 1983

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.

NEW MEXICO
5992
REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR

Date Surveyed: March 30, 1983

Registered Professional Engineer and/or Land Surveyor: Michael Daly

Certificate No. 5992

UNION TEXAS PETROLEUM CORPORATION

MANGUM NO. 8

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	321	ft.
B.	Kirtland	541	ft.
C.	Fruitland	1336	ft.
D.	Pictured Cliffs	1581	ft.
E.	Chacra	2586	ft.
F.	Cliff House	3136	ft.
G.	Point Lookout	3916	ft.
H.	Gallup	5187	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	321	ft.	Water
B.	Kirtland	541	ft.	Water
C.	Fruitland	1336	ft.	Water
D.	Pictured Cliffs	1581	ft.	Gas
E.	Chacra	2586	ft.	Gas
F.	Cliff House	3136	ft.	Water
G.	Point Lookout	3916	ft.	Gas
H.	Gallup	5187	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± - 5100±	ft.	Permaloid non-dispersed mud containing approx. 150 sx. gel, 60 sx. of permaloid and 15 sx. of CMC.
C.	5100± - 5870±	ft.	Natural Gas

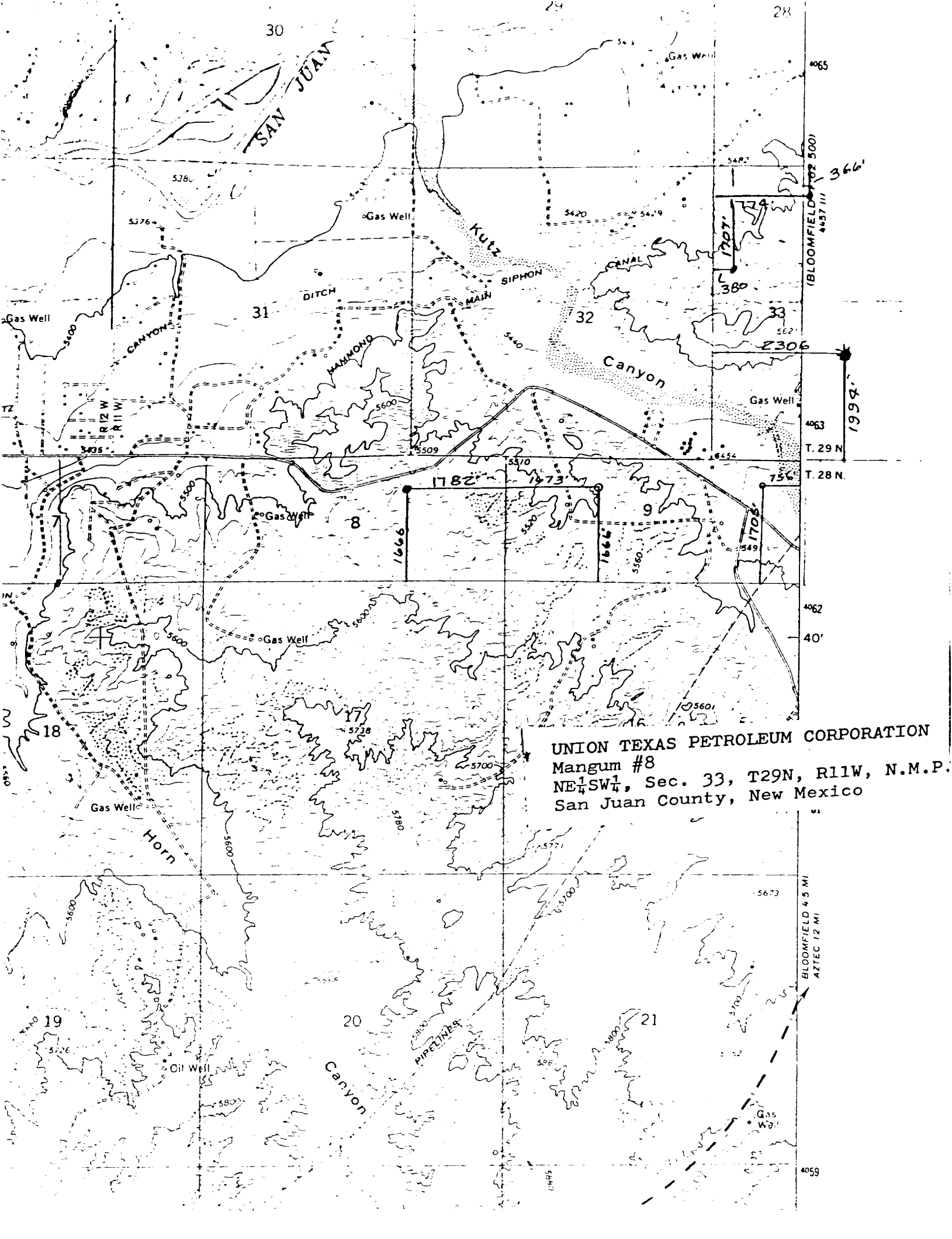
7. The auxiliary equipment to be used will be floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string.

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.

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: June 15, 1983


UNION TEXAS PETROLEUM CORPORATION
Mangum #8
NE¼SW¼, Sec. 33, T29N, R11W, N.M.P.
San Juan County, New Mexico
1782'
1973'
1666'
1666'
1707'
380'
2306'
1994'
756'
366'
T. 29 N.
T. 28 N.
R12W
R11W
SAN JUAN
Canyon
Gas Well
Oil Well
DITCH
MAIN
SIPHON
CANAL
HAMMOND
Horn
PIPELINES
BLOOMFIELD 4.5 MI.
AZTEC 12 MI.
BLOOMFIELD 7.5 MI.