Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42 R1425.

30-039-21374

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: SF 080136

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT AGREEMENT NAME:

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

8. FARM OR LEASE NAME: Kimbell Com

2. NAME OF OPERATOR: El Paso Natural Gas Company

9. WELL NO.: #1

3. ADDRESS OF OPERATOR: Box 990, Farmington, New Mexico 87401

10. FIELD AND POOL, OR WILDCAT: Otero Chacra & So. Blanco

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 860'N, 1670'W
At proposed prod. zone:

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23, T-25-N, R-6-W N. M. P. M.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: New Mexico

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: 160.00

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

19. PROPOSED DEPTH: 3590'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 6529' GL

22. APPROX. DATE WORK WILL START*

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"	32.3#	120'	142 cu. ft. to circulate
8 3/4"	2 7/8"	6.4#	2700'	387 cu. ft. to cover Ojo Alamo
6 3/4"	2 7/8"	6.4#	3590'	283 cu. ft. to cover top of Lewis

Selectively zones in the Pictured Cliffs and Chacra formations will be perforated and sand water fractured. The well will be completed as a Pictured Cliffs Chacra dual with parallel strings of 2 7/8" production casing.

A 3000 psi WP & 6000 psi test double gate preventor equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated

The NW/4 of Section 23 is dedicated to this well.

APPROVED
OIL CON. COM.
DIST. 3

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 J. G. Busco TITLE Drilling Clerk DATE April 6, 1977

(This space for Federal or State office use)

PERMIT NO. ____ APPROVAL DATE ____

APPROVED BY ____ TITLE ____ DATE ____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
El Paso Natural Gas Company	Kimbell Com (SF-080136)	1

Unit Letter	Section	Township	Range	County
C	23	25N	6W	Rio Arriba

Actual Footage Location of Well:
860 feet from the North line and 1670 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
6529	PICTURED CLIFFS-CHACRA	OTERO CHACRA SO. BLANCO PICTURED CLIFFS	160.00 Acres

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

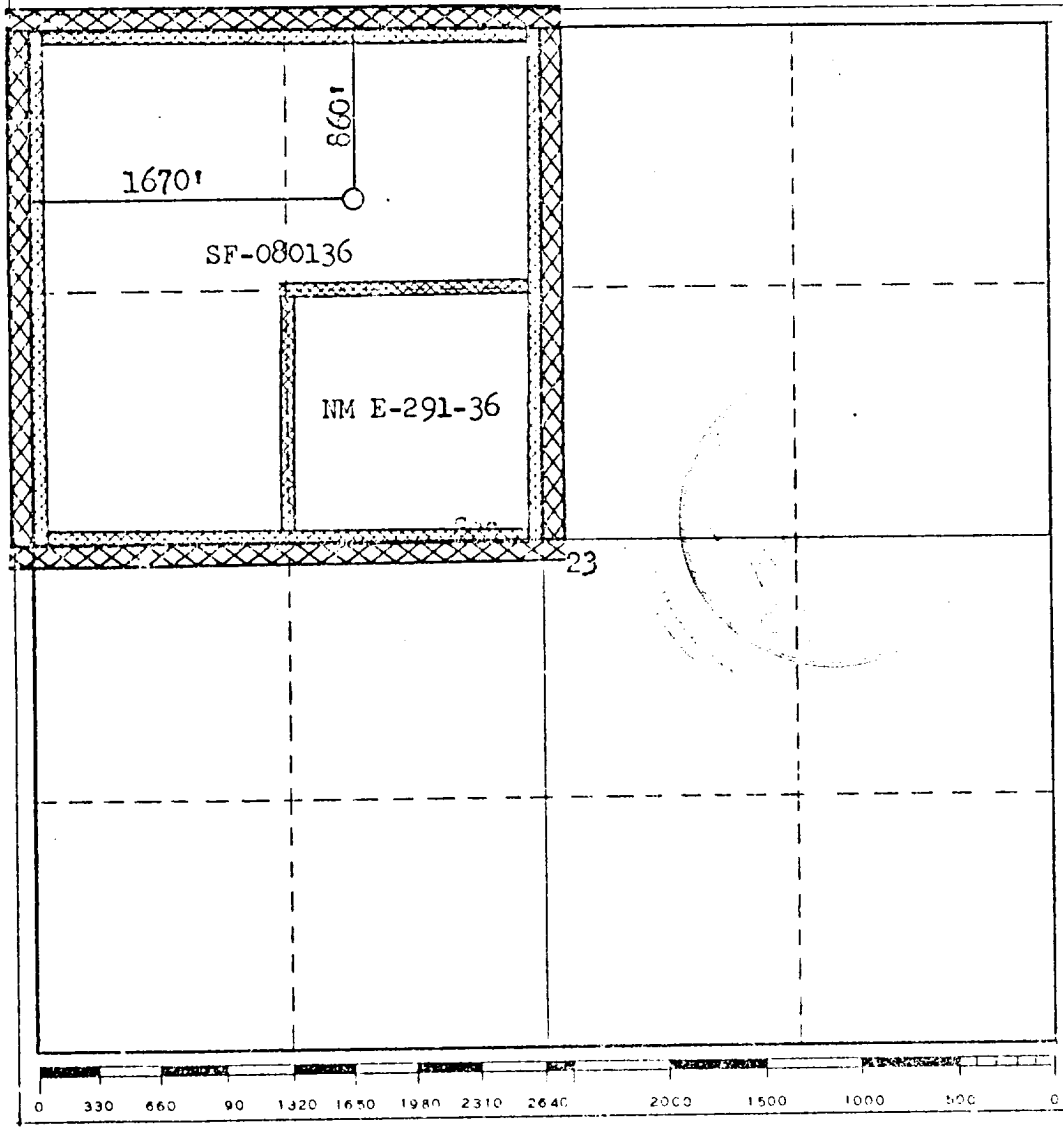
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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?

[X] Yes [ ] No If answer is "yes," type of consolidation Communitization

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.

Name: Drilling Clerk

Position: El Paso Natural Gas Company

Company: April 6, 1977

Date

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: August 15, 1973

Registered Professional Engineer and/or Land Surveyor: Fred B. Kerr, Jr.

Certificate No. 3950

El Paso NATURAL GAS COMPANY

P. O. BOX 990
FARMINGTON, NEW MEXICO 87401
PHONE: 505-325-2841

Multi-Point Surface Use Plan
Kimbell Com #1

1. Existing Road - Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map. All existing and new roads will be properly maintained during the duration of this project.

2. Planned Access Roads - Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.

3. Location of Existing Wells - Please refer to Map No. 2

4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines - Please refer to Maps No. 1 and No. 2. Map No. 2 shows the existing gas gathering lines. Map No. 1 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.

5. Location and Type of Water Supply - Water for the proposed project will be obtained from a water hole located at Gonzales Mesa Water Well.

6. Source of Construction Materials - No additional materials will be required to build either the access road or the proposed location.

7. Methods of Handling Waste Materials - All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1 will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.

8. Ancillary Facilities - No camps or airstrips will be associated with this project.

9. Wellsite Layout - Please refer to the attached Plat No. 1.

10. Plans for Restoration of the Surface - After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. With seed mixture #1.
The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted Green - Federal Standard 595 34127

11. Other Information - The terrain is sage brush flats covered with sage brush. Cattle graze the proposed project site.

12. Operator's Representative - W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401

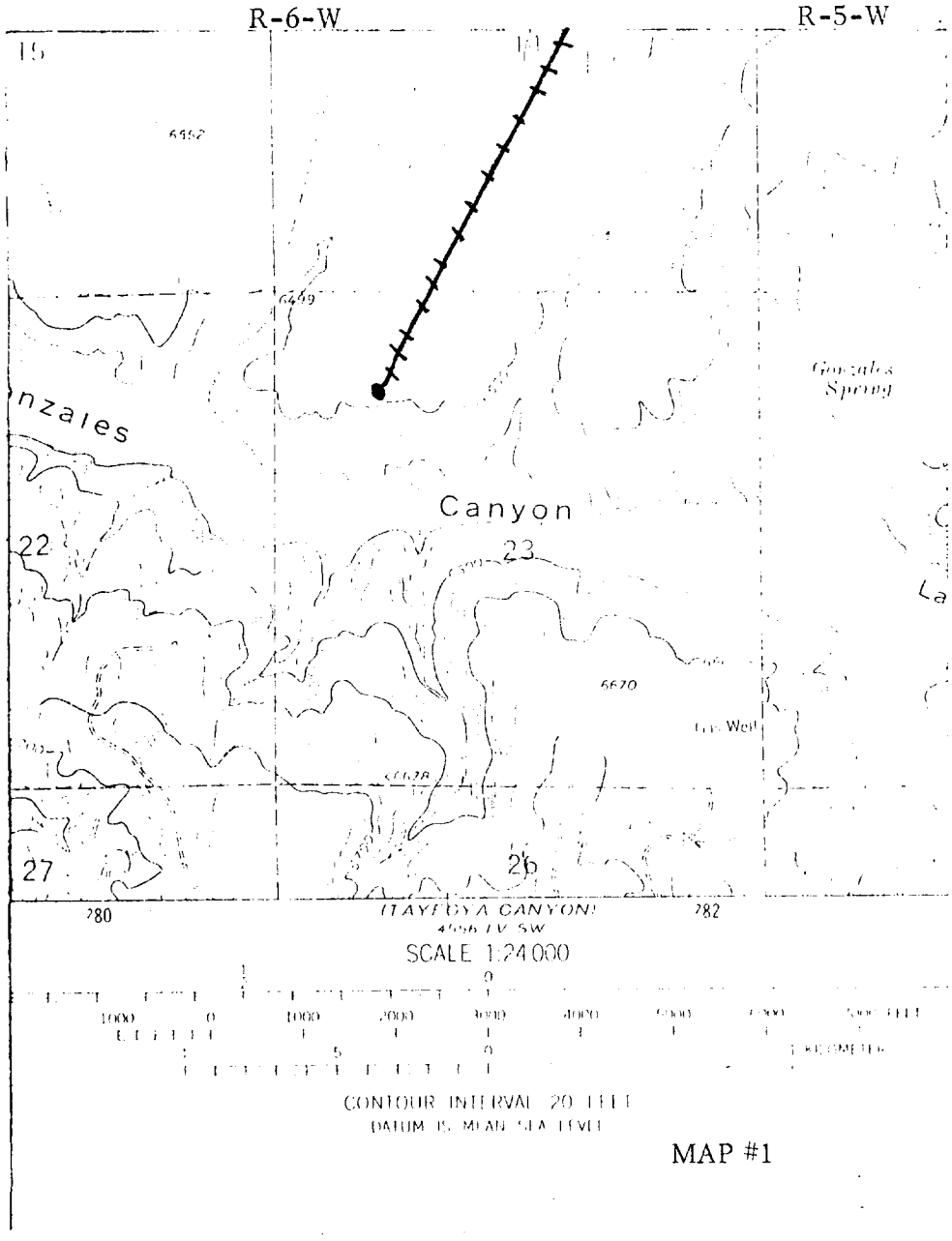
13. Certification - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by El Paso Natural Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

D. R. Read
Division Drilling Engineer

April 6, 1977

DRR:dgb

EL PASO NATURAL GAS COMPANY
KIMBELL COM #1
NENW 23-25-6

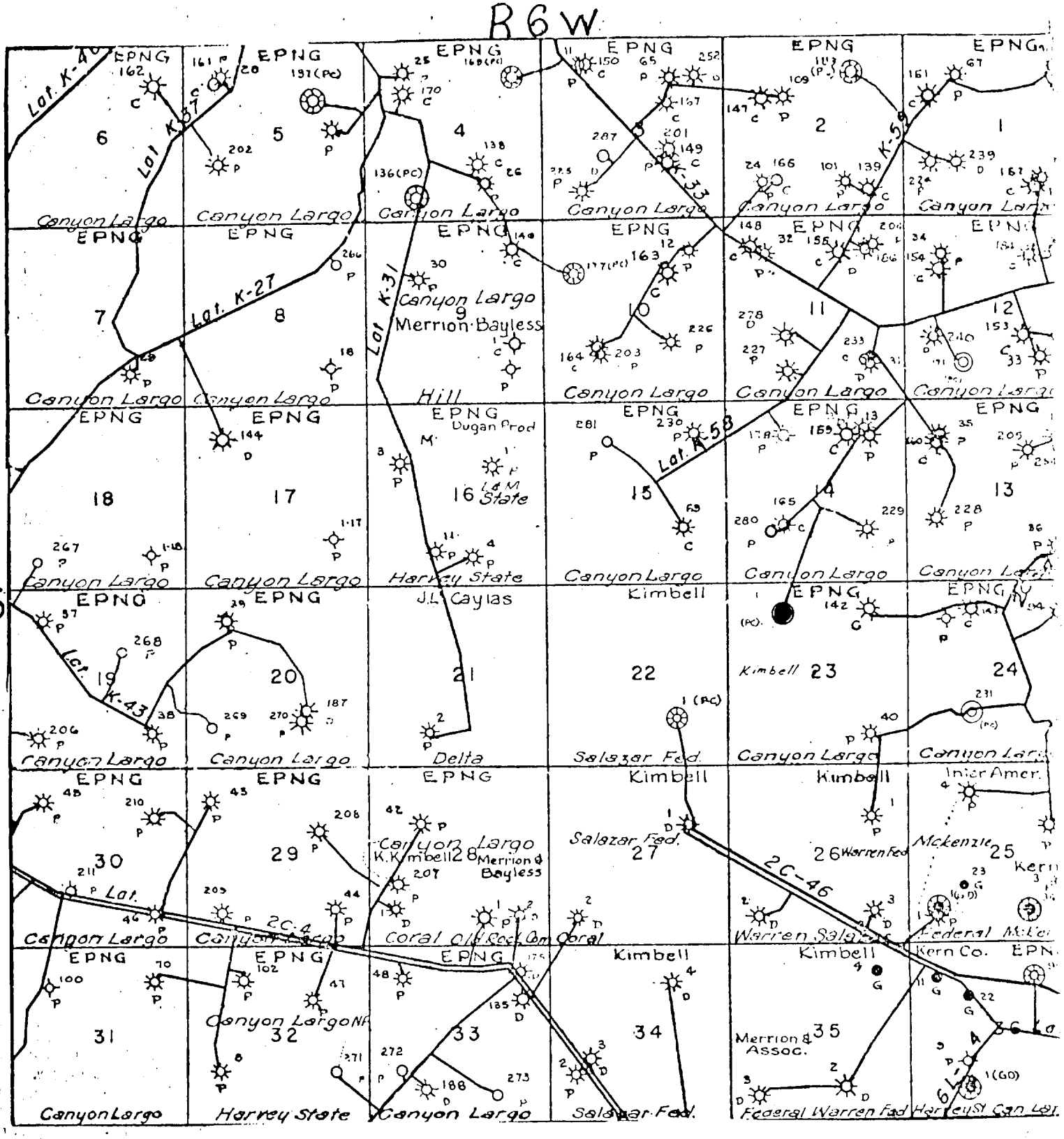


MAP #1

LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS
EXISTING PIPELINES
EXISTING ROAD & PIPELINE
PROPOSED ROADS
PROPOSED PIPELINES
PROPOSED ROAD & PIPELINE

EL PASO NATURAL GAS COMPANY
KIMBELL COM #1
NENW 23-25-6



Map #2

Proposed Location ●

April 6, 1977

Operations Plan - Kimbell Com #1

I. Location: 860'N, 1670'W, Section 23, T-25-N, R-6-W, Rio Arriba County, New Mexico

Field: So. Blanco Pictured Cliffs & Otero Chacra Elevation: 6539' GL

II. Geology:

A. Formation Tops:

Surface	San Jose	Lewis	2660'
Ojo Alamo	1910'	Chacra	3385'
Kirtland	2085'	Total Depth	3590'
Fruitland	2350'		
Pictured Cliffs	2510'		

B. Logging: Induction-Electric and Gamma Ray Density at Total Depth.

C. Coring: None

III. Drilling:

A. Anticipated Starting Date and Duration of the Project:

1977 Drilling Program - approximately 6 days to complete.

B. Circulating Medium: Treated water and a low solids gel base mud will be used from surface to Total Depth.

IV. Materials:

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
13 3/4"	120'	9 5/8"	32.3# H-40
8 3/4"	2700'	2 7/8"	6.4# J-55
6 3/4"	3590'	2 7/8"	6.4# J-55

B. Float Equipment: 9 5/8" surface casing - Larkin guide shoe (fig. 102).

2 7/8" Production Casing -

Chacra - 10' shoe joint with notched collar on bottom and latch down baffle on top. Use two 3 1/16" rubber balls and one Omega plug to displace cement. Use 3 1/4" I. D. plug container head. Run 7 centralizers, one on each of the bottom 7 joints.

Pictured Cliffs - all collars bevelled, 10' shoe joint with guide shoe on bottom and latch down baffle on top. Use two 3 1/16" rubber balls and one Omega plug to displace the cement. Use 3 1/4° I. D. plug container head. Run 12 rubber 2 7/8" x 4 1/8" turbilizers, 2 per joint from the bottom up.

C. Tubing: None

Operations Plan - Kimbell Com #1 (Cont'd.)

IV. Materials (Cont'd.)

D. Wellhead Equipment: Wellhead for 9 5/8" casing with dual 2 7/8" mandrels.

V. Cementing:

9 5/8" Surface Casing - 120 sacks Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (142 cu. ft. of slurry, 100% excess to circulate to surface). W. O. C. 12 hours. Test casing to 600#/30 Minutes.

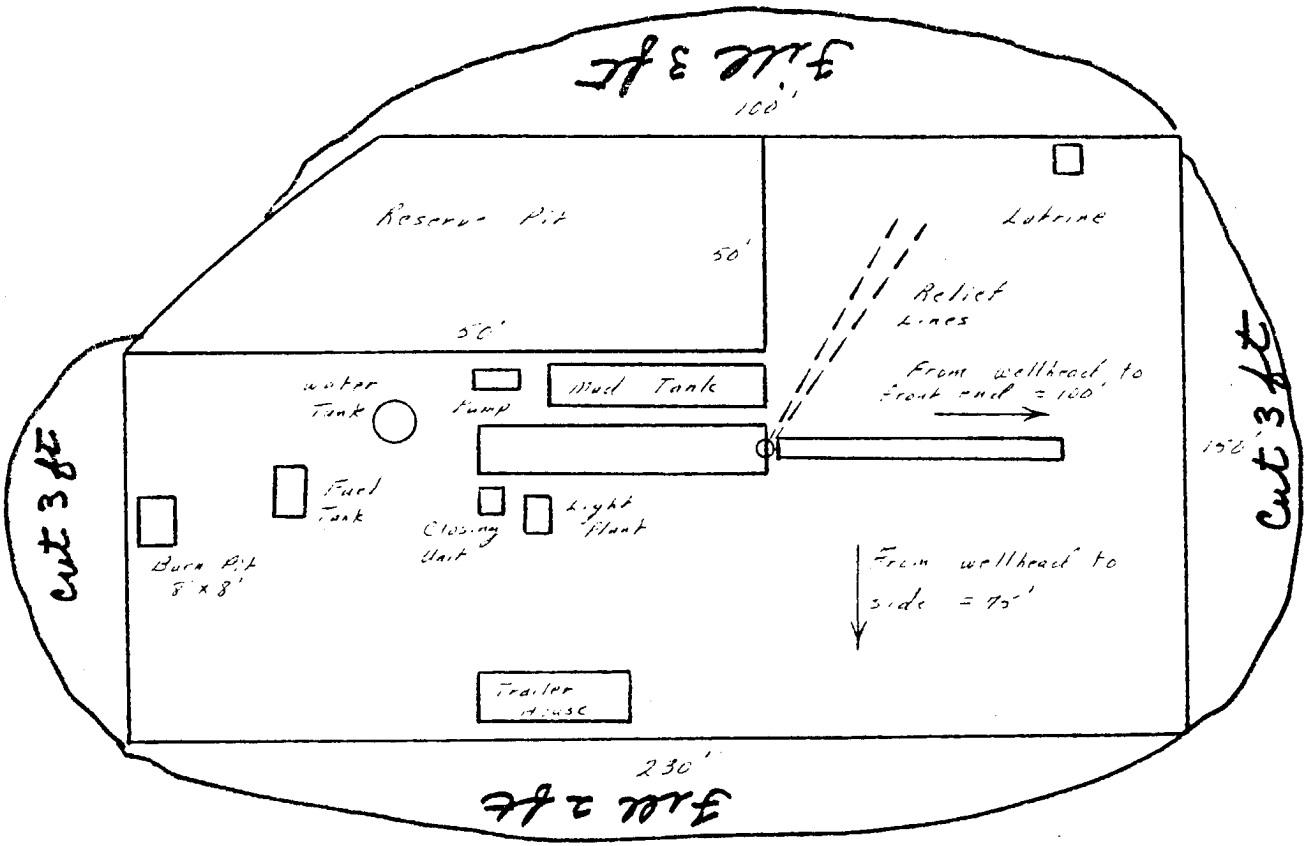
2 7/8" Production Casing -

Pictured Cliffs - Use 124 sacks of 65/35 Class "B" Pozmix with 12% gel followed by 50 sacks of Class "C" neat cement (387 cu. ft. of slurry, 50% excess to cover the Ojo Alamo). Spot 50 gallons of 7 1/2% acid on top of plugs.

Chacra - Use 76 sacks of 65/35 Class "B" Pozmix cement with 12% gel followed by 70 sacks of Class "C" neat cement (283 cu. ft. of slurry, 50% excess to cover the top of the Lewis). Spot 50 gallons of 7 1/2% acetic acid on top of plugs. Run temperature survey in Chacra after 12 hours. Check total depth in Pictured Cliffs strings. W. O. C. 18 hours.

Cement Chacra string first then the Pictured Cliffs string after plug is down on the Chacra.

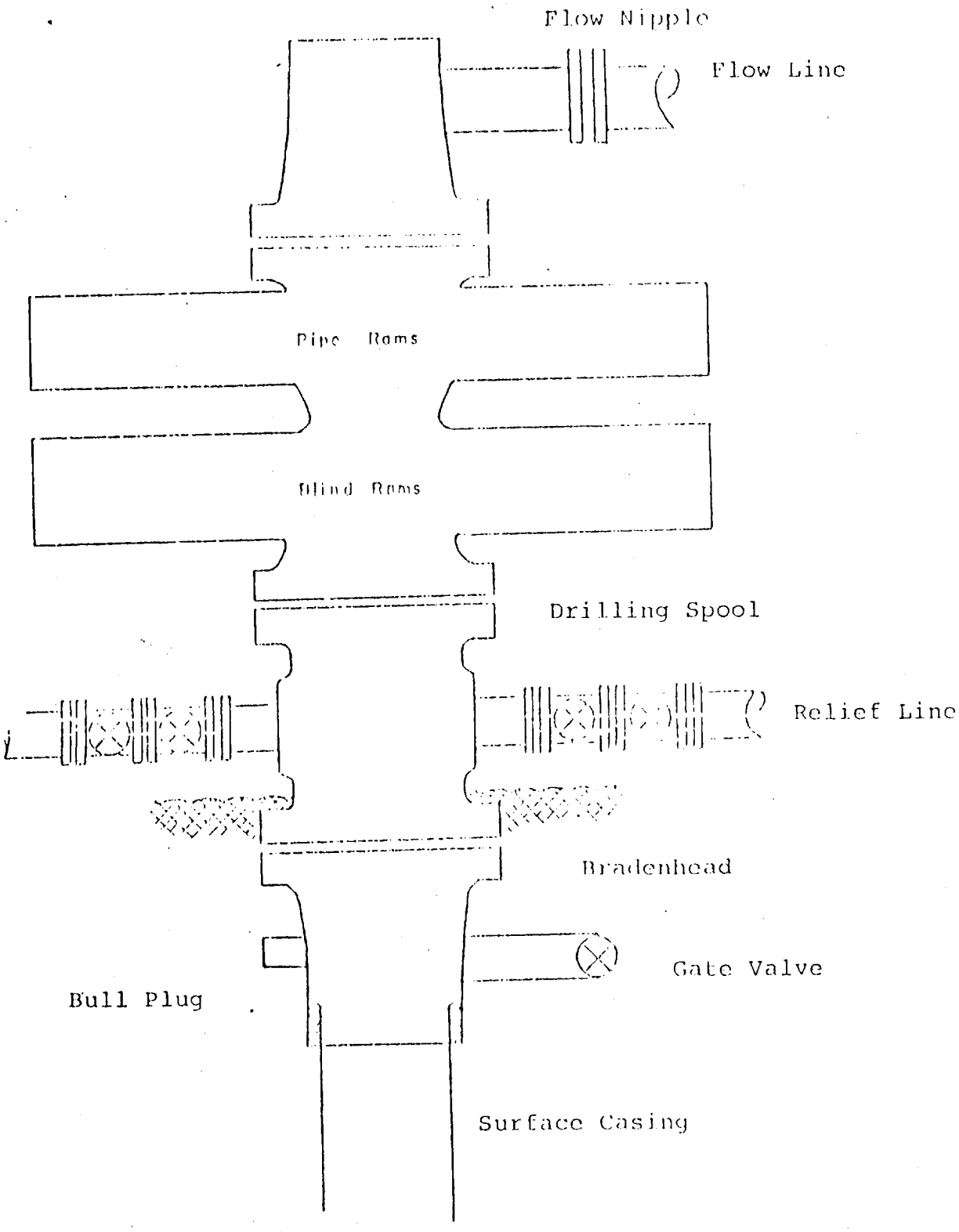
El Paso Natural Gas Company
Typical Location Plat for Pictured Cliffs Well



Scale 1 ½" = 20'

NORTH

Typical Mud Drilled B.O.P. Installation
for Pictured Cliffs Well



8" Series 900 Double Gate BOP, rated
at 3000 psi Working Pressure