APPROVED BY ...

CONDITIONS OF APPROVAL, IF ANY :

SUBMIT IN TRIPLICATE*

Form approved. Budget Burena No. 42 R1425.

(Other Instructions on reverse side) UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-039-21374 5 LEASE DESIGNATION AND SERIAL NO.

SF 080136

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18. INTRACE, FROM PROPOSED LOCATION TO SERVE WELL DELLING, COMPLETED. 3590' ROTATY 18. INTRACE, FROM PROPOSED LOCATION TO SERVE WELL START* 18. TO SEASON WELL START* 6529' GL PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF HOLE 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 Ojo Alamo 6. 3/4" 2. 7/8" 6. 4# 3590' 283 cu, ft, to cover top of Lowis 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. IN ADDRESS SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive gas final proposed new production in the proposal is to define or deepen directionally, give pertinent data on subsurface locations and measured and flare vertical depths. Give blown preventer program. If any. 24. NAME DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive gas final proposed new productive gas final proposed new productions and measured and flare vertical depths. Give blown gas for program. If any. 24. NAME DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present production. Gas final proposed new production and measured and flare vertical depths. Give blown gas for program. If any. 24. NAME DESCRIPTION OF THE START	LOCATION TO NEARES	IT LINE, FT.		16, NO	. OF ACRES IN LEASE		THIS WELL	
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zone. If proposal is to drill or deepen directionally, give pertinent data on substitute preventer program, if any. 24. SIGNED A DATE April 6, 1977 (This space for Federal or State office use)	fractured. To 2 7/8" product A 3000 psi Wlused for blow. This gas is do	he well will be contion casing. P & 6000 psi test out prevention contion continue contion continue contin	ompleted as double gate on this well.	a Pict	cured Cliffs Cha	icra dua	ar with paramer strings of	
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NEW MEXICO OIL CONSTRVATION COMMISSION WELL LOCATION AND ACSTRACE DEDICATION PLAT

Supersedes C+128 Effective 1-1-65

u'er boundaries of the Section All distances must be from the Well to. C) er iter (SF-080136) 1 Com El Paso Natural Gas Company Kinbell County Jection Township Homae Unit Letter 6W Rio Arriba 2511 C Actual Footage Location of Well: 1670 West North 860 feet from the OTERO CHACRA Pool Ground Level Elev. Producing Formation SO. BLANCO PICTURED CLIFFS 160.00 4 PICTURED CLIFFS-CHACRA 6529 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? Communitization If answer is "yes," type of consolidation _____ X Yes No 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. 16701 uces SF-080136 Drilling Clerk Position El Paso Natural Gas Company Company NM E-291-36 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 Registrate has been red Empresel and or Land Curveyer PLEASURE LINE

2000

1320 1650 1980 2310 2640



PIO DOX 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.
- 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.

- Methods of Handling Waste Materials All garbage and trash 7. 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 earther 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 conformit, with this plan and the terms and conditions under which it is approved.

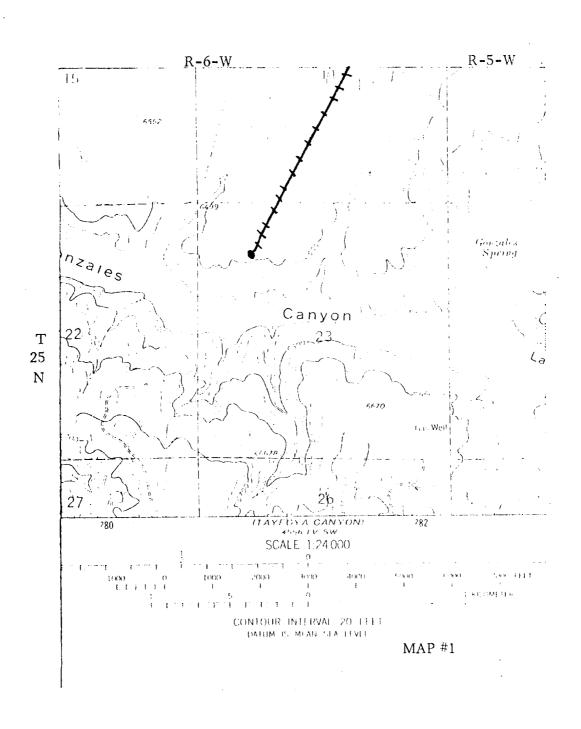
D. R. Read

Division Drilling Engineer

April 6, 1977

DRR:dgb

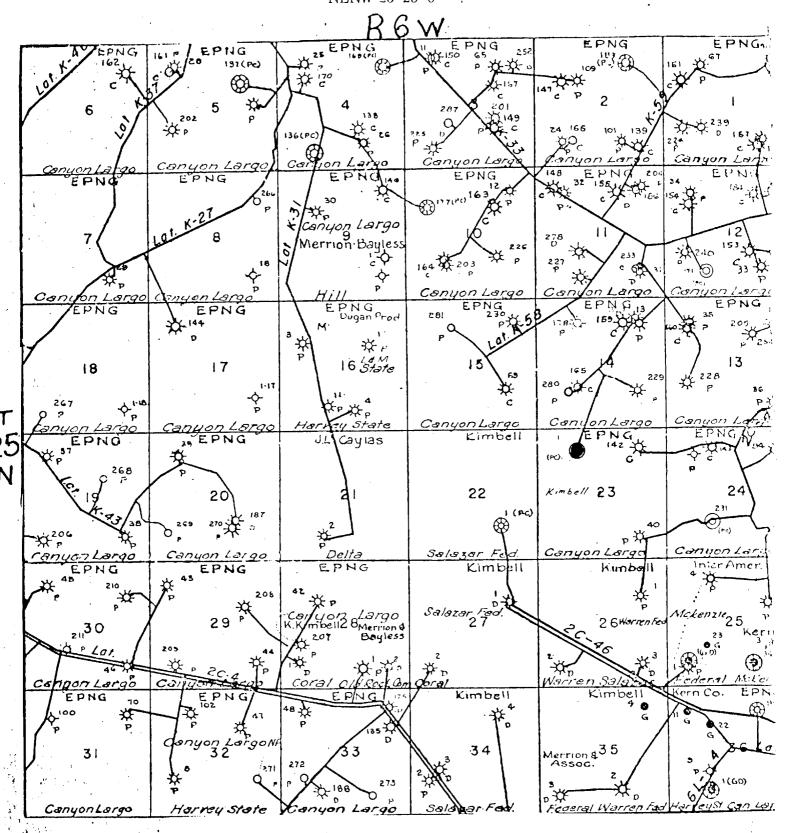
EL PASO NATURAL GAS COMPANY KIMBELL COM #1 NENW 23-25-6



LEGEND OF RIGHT-OF-WAYS

EXISTING	ROADS	
EXISTING	PIPELINES	+++
EXISTING	ROAD > PHELI	
PROPOSED	ROADS	
FROPOSED	PIPELINES	+++
POTOSED	ROAD : PITEL	OM III

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



Map #2

Proposed Location

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:

Α.	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:

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

B. Float Equipment: 95/8" 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.

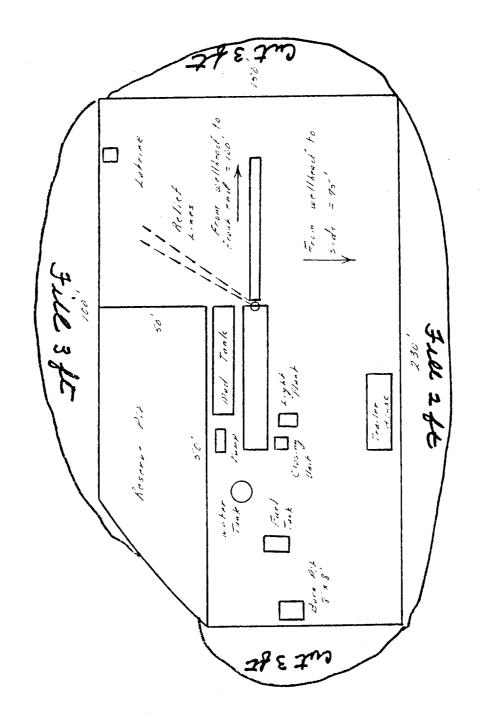
2 7/8" Production Casing -

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.

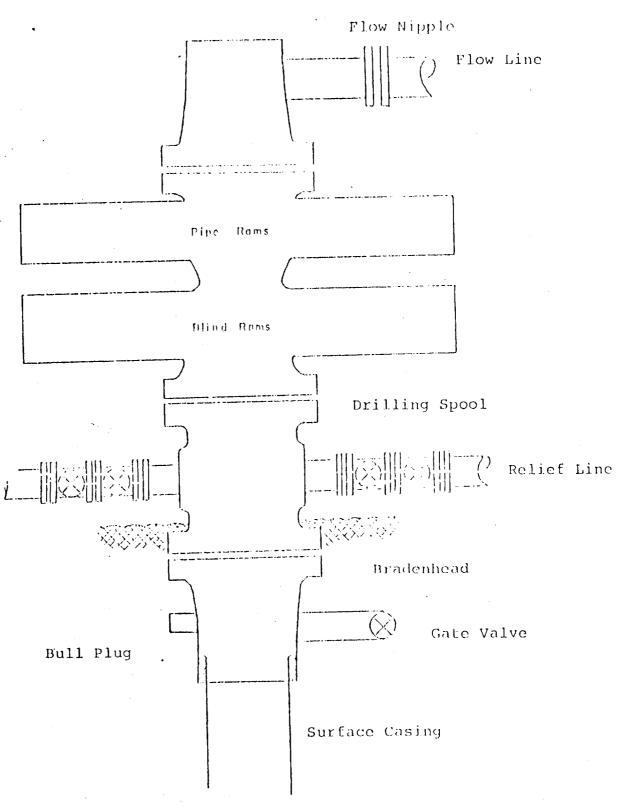
Cement Chacra string first then the Pictured Cliffs string after plug is down on the Chacra.

Typical Location Plat for Patared Clitts Well



Scale: 12 = 20'

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



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