SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

(Other instructions on reverse side)

30.045-22595 5 Lease Devignation and Serial No. Tribal 1-232

UNITED STATES DEPARTMENT OF THE INTERIOR

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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Form C-102 Supersedes C-128 Effective 1-1-65

	All distance	s must be from the outer bound	laries of the Section.	277	·
Operator EL PASO N	ATURAL GAS COMPANY	Leuse UTE MT BARKER CREEK	N. TRIBAL 1-2 DOME GAS STOR		Well No. WI-28
Unit Letter Sect	11 32	-N Range	W	SAN JUAN	
Actual Footage Location 600	of Well: t from the SOUTH	line and 133	feet from the	WEST	line /
Ground Level Elev. 6925	Producing Formation DAKOTA	Poel	N/A	Dedic	n/A Acres
1. Outline the ac	reage dedicated to the s	ubject well by colored p	encil or hachure	marks on the pla	t below.
2. If more than a interest and ro	one lease is dedicated to yalty).	the well, outline each	and identify the o	wnership thereo	f (both as to working
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Yes	No If answer is "yes	s," type of consolidation			
	no," list the owners and t	ract descriptions which	have actually bee	n consolidated.	(Use reverse side of
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NOTE: THIS	PLAT IS REISSUED TO	SHOW CORRECTED PI	AT. 5-10-77	tained herein is best of my know OFIGNAL	that the information contrue and complete to the pledge and belief. SIG .ED BY AIMES Ling Engineer
				Position	Natural Gas
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P. O. BOX 990 FARMINGTON, NEW MEXICO 87401 PHONE: 505-325-2841

Multi-Point Surface Use Plan Barker Creek Dome Gas Storage Project WI #28

- 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 Maps No. 1 and 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 El Paso Natural Gas Company's San Juan River Plant.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

Multi-Point Surface Use Plan

- 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 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. Seed Mixture #1 will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted Forest Green.
- 11. Other Information The immediate terrain is flat with cedar, pinon trees, grass and rabbit brush growing. Cattle, deer and rabbits inhabit the area.

- 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.

June 10, 1977

L. A. Aimes

Sr. Drilling Engineer

LAA:pb

Operations Plan Barker Creek Dome Gas Storage Project WI #28

I. Location: 600'S, 133'W, Section 11, T-32-N, R-14-W, San Juan County, NM

Field: Barker Creek Dakota <u>Elevation:</u> 6925'GL

II. Geology:

- A. Formation Tops: Mesa Verde surface Greenhorn 2872'

 Menefee 107' Graneros 2932'

 Point Lookout 757' Dakota 3002'

 Mancos 1117' Total Depth 3102'
- B. Logging Program: GR-I, FDC, SNP at 7" casing point GR-I, FDC, SNP, GR-N at TD.
- C. Coring Program: none
- D. Natural Gauges: gauge well every connection past 2962' and at TD. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud on surface hole. Air from surface casing depth to Total Depth.

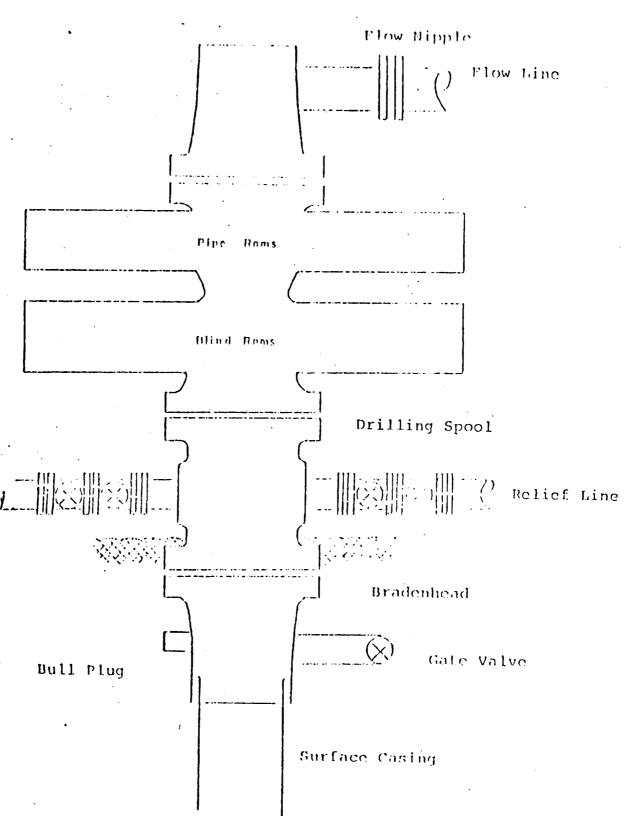
IV. Materials:

A. Cas	ing Program:	Hole Size	Depth	Csg.Size	Wt.&Grade
		12 1/4"	1157'	9 5/8"	32.3# H-40
		8 3/4"	3004'	7"	20.0 # K-55
		6 1/4"	3004-3102'		

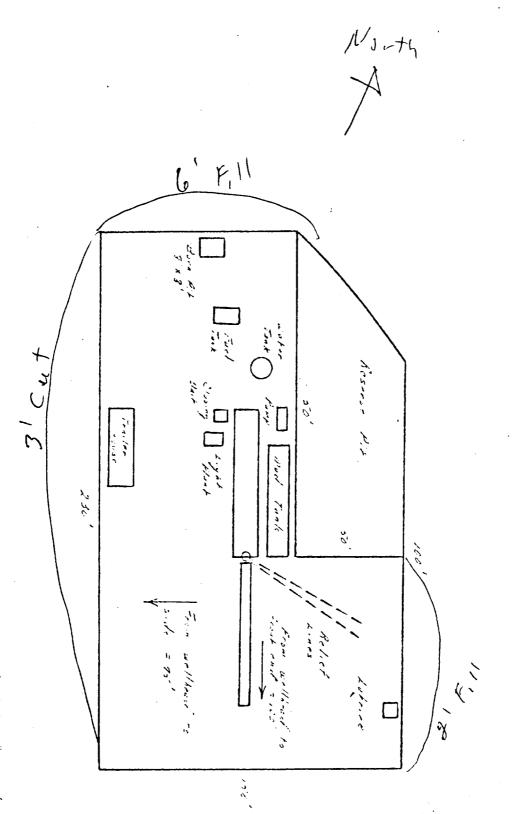
- B. Float Equipment: 9 5/8" surface casing notched collar for guide shoe.
 - 7" intermediate casing cement guide shoe and self-fill insert float valve. Run float two joints above shoe.
- C. Tubing: 3087' of 2 3/8", 4.7#, J-55 8rd EUE tubing.
- D. Wellhead Equipment: 10" 2000 psi x 9 5/8" Type R Brewster casing head. 10" 2000 psi x 6" 2000 psi Type 2-082-77 Brewster xmas tree assembly.

V. Cementing:

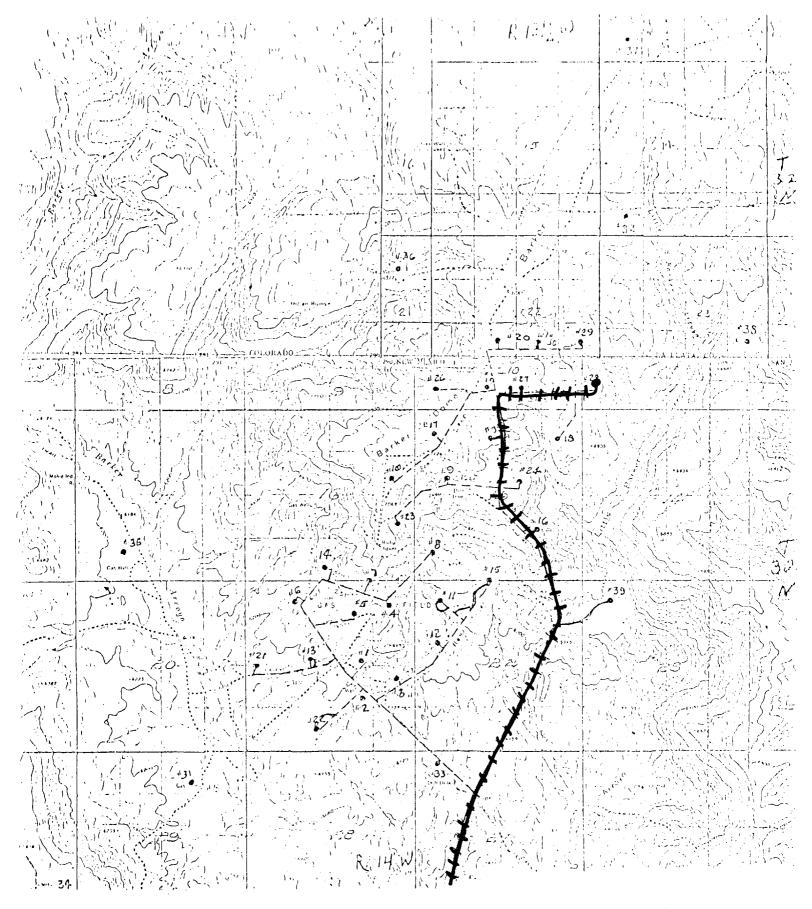
- 9 5/8" surface casing use 614 sks. of Class "B" cement with 3% calcium chloride (725 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 #/30 minutes.
- 7" intermediate casing use 76 sks. of Class "B" cement with 2% calcium chloride (90 cu.ft. of slurry, 50% excess to fill 400' above the casing shoe). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.



Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When airdrilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowic line.



Typical Location Plat for Pectured Chift's Well



El Paso Natural Gas Company

Well Name: WI #28

Location: 600'S, 133'W, Section 11, T-32-N,R-14-W, San Juan County, NM Map #1

Proposed pipeline & road

