SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES	(Other instruction reverse side)
UNITED STATES	reverse si

3	0	-0	37	 22	9

		OF THE INTE	RIOR		5. LEASE DESIGNATION AND SERIAL NO.
	···	GICAL SURVEY			SF 078503
	Y FOR PERMIT T	O DRILL, DEEP	PEN, OR PLUG E	BACK_	6. IF INDIAN, ALLOTTER OR TRIBE NAME
1a. TYPE OF WORK	LL X	DEEPEN 🗌	PLUG BA	ск 🗀	7. UNIT AGREEMENT NAME
b. TYPE OF WELL			1 LOO DA		San Juan 29-7 Unit
OIL G	AS X OTHER		SINGLE MULTIF	LLE X	8. FARM OR LEASE NAME.
2. NAME OF OPERATOR				·	San Juan 29-7 Unit
	tural Gas Com	ıpany			9. WELL NO.
3. ADDRESS OF OPERATOR					1124 M
PO Box 289	, Farmington,	NM 8740			10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
4. LOCATION OF WELL (R At surface	eport location clearly and		SPECE CHILLY	ח	
	790'N, 156	W'0	W 1170		11. SEC., T., R., M., OR BUK. AND SURVEY OR AREA
At proposed prod. zon	e		APR 24 1981	j	Sec.29,T-29-N,R-7-
14. DISTANCE IN MILES	Same	EST TOWN OR POST OFFIC	on.	-	NMPM 12. COUNTY OR PARISH 13. STATE
4 miles se	uth of Morraic	Ci to NIM	U. S. GEOLOGICAL SU	RVEY	
15. DISTANCE FROM PROPO			FARMINGTON, N. A.	1 17. NO.	Rio Arriba NM
LOCATION TO NEAREST PROPERTY OR LEASE I	INE. FT.	790'	unit	TO T	#IS WELL \$20.0 & \$320
(Also to nearest drig 18. DISTANCE FROM PROP			ROPOSED DEPTH	20 ROTA	RY OR CABLE TOOLS
TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	2200'	7623'	Rota	
21. ELEVATIONS (Show who	ether DF, RT, GR, etc.)	2200	7010	11000	22. APPROX. DATE WORK WILL START*
6378'GR					
23.	P	ROPOSED CASING AN	D CEMENTING PROGRA	A.M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	7	1	
17 1/2"	13 3/8"	48.0#	200 1	278	cu.ft.circ.to surface
12 1/4"	9 5/8"	40.0#	3467		cu.ft.cover Ojo Alamo
8 3/4"	7"	23.0#	3317-5868'	I .	cu.ft. to circ. line
6 1/4"	4 1/2"	11.6#	5718-7623'		cu.ft. to circ. lines
blind and This gas i The W/2 of	pipe rams wils dedicated. Section 29 i PROPOSED PROGRAM: If p	l be used for seal of the seal	or blow out p to this well	reven	r equipped with tion on this well.
24.					
SIGNED JOH	y Skadfu	ild title	Drilling	Clerk	April 23, 198
(This space for Fede	ral or State office use)				
PERMIT NO.			APPROVAL DATE		
. nnnaun				أشهب	PRUNTED
CONDITIONS OF APPROV	AL, IF ANY:	TITLE		VE I	DATE
AMA CATRATIONS AUTHO FOT TO CONTACTOR S WYS	PECID ARE	NM() *See Instructions	On Reverse Side	ga	mes of Sus
THE TOPOGRAMMENTS	WAITMONED OK 31		THE PROPERTY OF THE PARTY OF TH		The state of the s

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

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

kevised 10-1-78

All distances must be from the cuter boundaries of the Section. Operator Well No. EL PASO NATURAL GAS (SF-078503) SAN JUAN 29-7 UNIT 112-K E Unit Letter Section Township Range 29N 7W Rio Arriba Actual Footage Location of Well: feet from the North 1560 line and feet from the West Ground Level Elev. Producing Formation BLANCO MESA VERDE Dedicated Acreage: 6378 MESA VERDE - DAKOTA BASIN DAKOTA 320.00 & 320.00_{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 If answer is "yes," type of consolidation ___Unitization 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 15601 knowledge and belief. Name Drilling Clerk Position ElPaso Natural Gas Co. ^CABFil 23, 1980 SF-078503 Sec. 29 that the well location at was plotted from field rect to the best of my #112 Date Surveyed . : March 19, 1980 Registered Professional Engineer Fred B. 1320 1650 1980

2000

1000

. EIPEED COMPANY

Р () делество 3 Министент, ви угод на селото РИСПЕ, частически

Well Name 5, J. 29-7 Unit # 112 M	
Location NW 99 99-7	
Formation MV-DK	
	-
We, the undersigned, have inspected this location	and road.
U. S. Forest Service	Date .
Dabrey Ford Archaeologist	4/14/80
	ng gG
Bureau of Indian Affairs Representative	Date
Bis Mali	4/14/90
Bureau of Land Management Representative Barbara A Contlin	Date (
U. S. Geological Survey Representative - AGREES TO THE FOOTAGE LOCATION OF THIS WELL. REASON:	Date
Seed Mixture:	
Equipment Color: BRAW	
Road and Row: (Same) or (Separate)	
Remarks:	

C.C. to Dave Vilvin

Earl Mealer
John Ahlm



P. O. BOX 289 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan San Juan 29-7 Unit #112M

- 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 Ridge Road Water Well #1.
- 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,

7. cont'd.

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 as designated by the responsible government agency 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 as designated by the responsible government agency.
- 11. Other Information The terrain is rolling hills and rock with sage, juniper and pinon growing. Cattle and deer are occasionally seen on the proposed project site.
- 12. Operator's Representative W.D. Dawson, PO Box 990, Farmington, NM
- 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

Project Drilling Engineer

Operations Plan San Juan 29-7 Unit #112M

I. Location: 790'N, 1560'W, Section 29, T-29-N, R-7-W, Rio Arriba County, NM

Field: Blanco Mesa Verde & Basin Dakota Elevation: 6378'GR

II. Geology:

Α.	Formation	Tops:	Surface	San Jose	Menefee	4850'
			Ojo Alamo	2094'	Point Lookout	5268 '
			Kirtland	2234'	Gallup	6400'
			Fruitland	2801'	Greenhorn	7265'
			Pic.Cliffs	3059'	Graneros	7318'
			Lewis	3267 '	Dakota	7459'
			Mesa Verde	4720'	Total Depth	7623'

- B. Logging Program: GR-Ind. and GR-Density at 5868' and Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4710', 4840', 5255',5870',6390',7255',7305',7450' and at Total Depth. Also gauge any noticeable increase in gas. Record all gauges in daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud from surface to 3467'. Gas from intermediate casing to Total Depth.

IV. Materials:

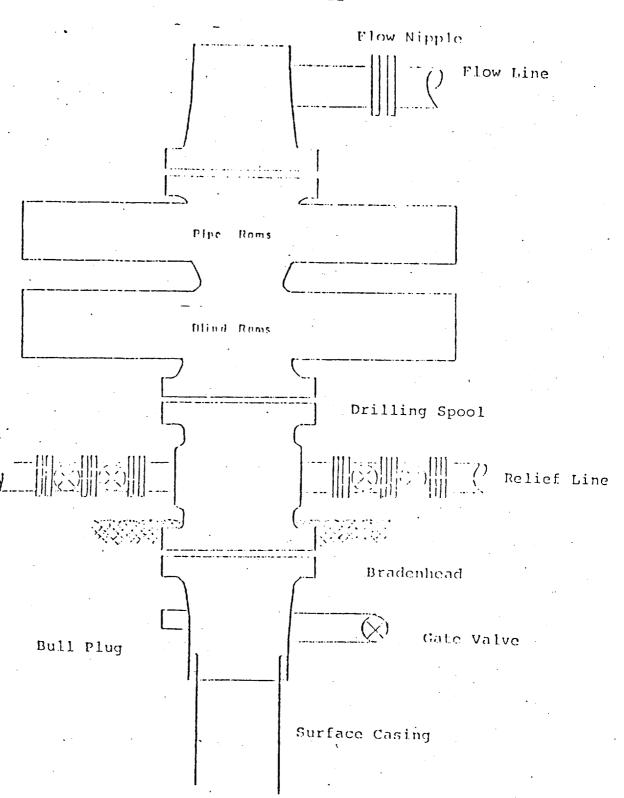
A. Casing Pr	ogram: <u>Hol</u>	Le Size	Depth C	Csg.Size	Wt.&Gr	ade
	12	1/2" 1/4" 3/4" 331		9 5/8"	48.0# 40.0# 23.0#	M-80
	6	1/4" 571	8-7623'	4 1/2"	11.6#	K-55

- B. Float Equipment: 13 3/8" surface casing guide shoe.
 - 9 5/8" intermediate casing guide shoe and differential automatic fill up float collar. Five stabilizers, one each on every other joint above shoe. Run float collar two joints above shoe.
 - 7" liner 7" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar. Four centralizers, one each on every other joint above shoe.
 - 4 1/2" liner 4 1/2" liner hanger with neoprene packoff. Geyser shoe and flapper type float collar.

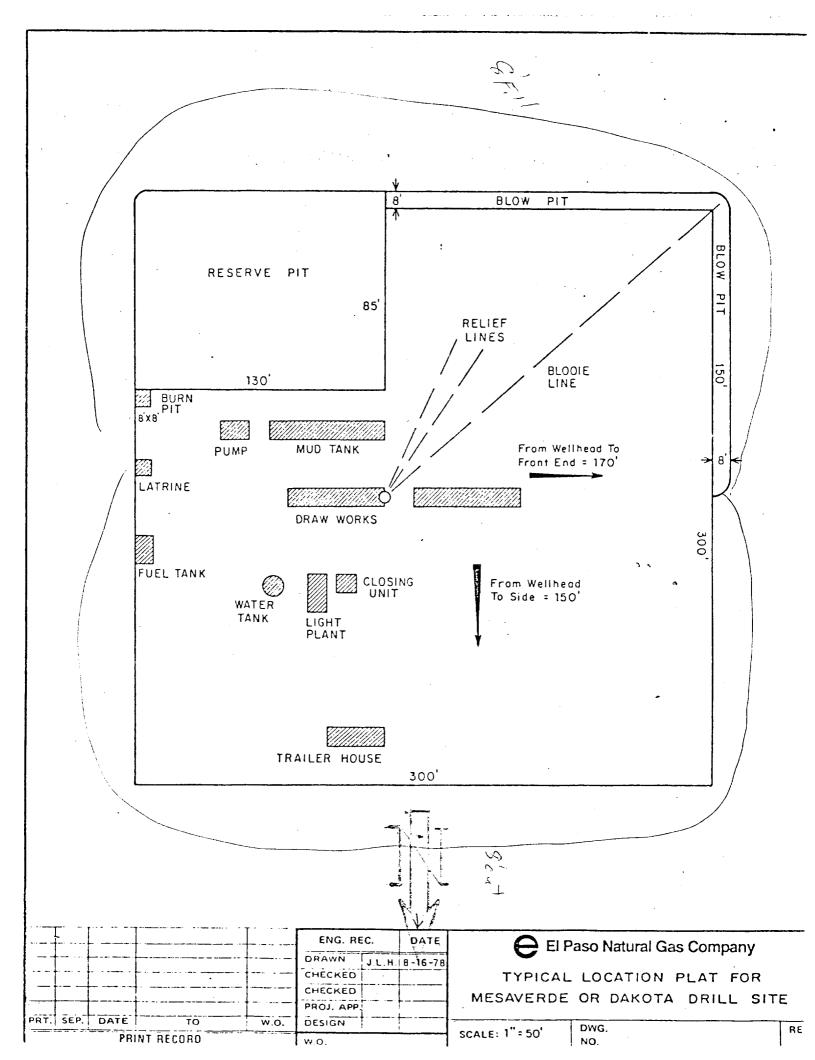
- C. Tubing: 7623' of 2 3/8", 4.7#, J-55 EUE 8rd tubing open ended on bottom with common pump seating nipple and pump out plug one joint above bottom.
 - 5718' of 1 1/2", 2.9#, J-55 EUE 10rd tubing with a perf sub and common pump seating nipple one joint above bottom. Bottom joint to be bull plugged.
- D. Wellhead Equipment: 12" 3000 x 13 3/8" casing head. 12" 3000 x 10" 3000 dual xmas tree.

V. Cementing:

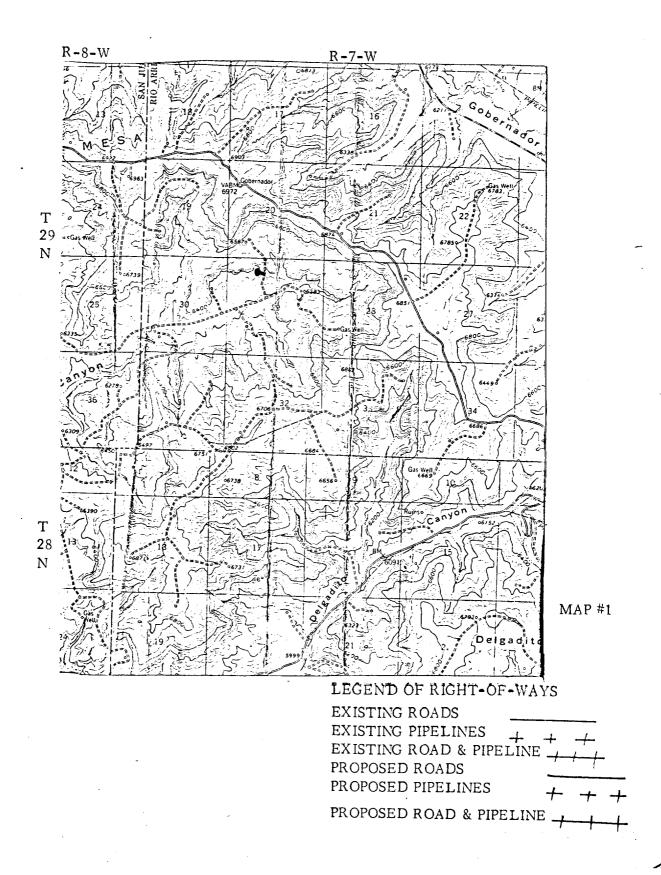
- 13 3/8" surface casing use 236 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (278 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.
- 9 5/8" intermediate casing use 347 sks. 65/35 Class "B" Poz with 6% gel, 2% calcium chloride and 8.3 gallons water per sack followed by 100 sks. Class "B" neat with 2% calcium chloride (680 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.
- 7" liner precede cement with 30 bbls. gel water (3 sks. gel). Cement with 482 sks. 50/50 Class "B" Poz with 2% gel, 6.25# gilsonite, 1/4# flocele and 0.6% Halad-9 (or equivalent fluid loss additive) (670 cu.ft. of slurry, 70% excess to circulate liner). WOC 12 hours. Test casing to 1200#/30 minutes.
- 4 1/2" liner precede cement with 40 bbls. gel water (4 sks. gel). Cement with 100 sks. Class "B" cement with 8% gel, 1/4 cu.ft. fine gilsonite per sack and 0.4% HR-7 followed by 100 sks. Class "B" cement with 1/4# fine tuf-plug per sack and 0.4% HR-7 (336 cu.ft. of slurry, 70% excess to fill to circulate liner). WOC 18 hours.

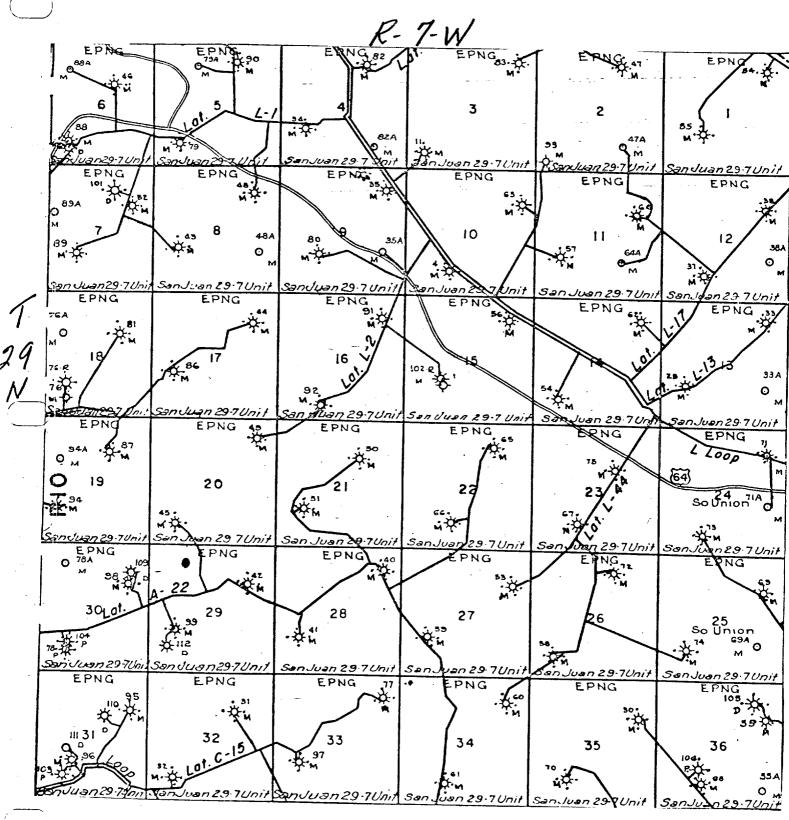


Scries 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.



EL PASO NATURAL CAS COMPANY San Juan 29-7 Unit #112M (MD) NW 29-29-7





MAP #2