# SUBMIT IN TRIPLICATE\*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

30-045-23701

# UNITED STATES DEPARTMENT OF THE INTERIOR

	5. LEASE DESIGNATION AND SERIAL NO.
	SF 078499
<u> </u>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	7 UNIT AGREEMENT NAME

	02020	GICAL SURVEY				
APPLICATION	N FOR PERMIT	TO DRILL, DEE	PEN, OR PLU	JG BACK	6. IF INDIAN, ALLOTTER	OR TRIBE NAME
	LL 🖺	DEEPEN 🗌	PLUG	BACK 🗆	7. UNIT AGREEMENT N	AME
WELL W	AS COTHER		SINGLE X	MULTIPLE ZONE	8. FARM OR LEASE NAM Russell	4 E
NAME OF OPERATOR El Paso Nat	cural Gas Com	npany			9. WELL NO.	
ADDRESS OF OPERATOR	Barrington	NM 87401			3A	<u> </u>
	, Farmington,		y State requirements	i.*)	Blanco Mesa	
At surface	910'N, 109	W'06			11. SEC., T., B., M., OR I	BLK.
At proposed prod. zon					Sec. 23, T-28	3-N,R-8-
DISTANCE IN MILES	Same AND DIRECTION FROM NEA	REST TOWN OR POST OF	FICE*		12. COUNTY OR PARISH	13. STATE
	Southeast of				San Juan	NM
5. DISTANCE FROM PROPO LOCATION TO NEAREST	OSED*	16.	NO. OF ACRES IN LE	TO	OF ACRES ASSIGNED THIS WELL	320.00
PROPERTY OR LEASE I (Also to nearest drig	g. unit line, if any)	910'	1550.2		CARY OR CABLE TOOLS	320.00
B. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	800'	6025	Rota		
LELEVATIONS (Show who					22. APPROX. DATE WO	EK WILL START
6372'GL		PROPOSED CASING A	AND CEMENTING F	PROGRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEP		QUANTITY OF CEME	<u>-</u>
13 3/4"	9 5/8"	32.3#	200'		cu.ft. to cir	
13 3/4		-1				
8 3/4" 6 1/4"	7" 4 1/2"line	20.0# er 10.5#	3675' 3525-6025		cu.ft.to cove	
6 1/4"	4 1/2"line	r 10.5#	3525-6025	436		1 to 352
6 1/4"  Selectively  A 3000 psi blind and p	4 1/2"line y perforate a WP and 6000 pipe rams wil	r 10.5# and sandwate	β525-6025 er fracture	436 the Mes	cu.ft.to fil	l to 352 ation.
6 1/4"  Selectively  A 3000 psi blind and p	4 1/2"line y perforate a	r 10.5# and sandwate	β525-6025 er fracture	436 the Mes	cu.ft.to fil	ation. ith well.
6 1/4"  Selectively  A 3000 psi blind and p	4 1/2"line y perforate a WP and 6000 pipe rams wil	r 10.5# and sandwate	β525-6025 er fracture	436 the Mes prevente	a Verde formar equipped wation on this	to 352 ation.
6 1/4"  Selectively  A 3000 psi blind and p	4 1/2"line y perforate a WP and 6000 pipe rams will s dedicated.	r 10.5# and sandwate psi test do ll be used f	β525-6025 er fracture ouble gate for blow ou	the Mes	cu.ft.to fil	to 352 ation.
6 1/4"  Selectively A 3000 psi blind and p  This gas is	4 1/2"line y perforate a WP and 6000 pipe rams will s dedicated. Section 23	r 10.5#  and sandwate  psi test do  ll be used f	β525-6025 er fracture ouble gate for blow ou	the Mes	a Verde formation on this	to 352
6 1/4"  Selectively  A 3000 psi blind and p  This gas is  The W/2 of  ABOVE SPACE DESCRIBE  The If proposal is to	4 1/2"line y perforate a WP and 6000 pipe rams will s dedicated.  Section 23 : E PROFOSED PROGRAM: If drill or deepen direction	er 10.5#  and sandwate  psi test do  ll be used f	β525-6025  er fracture  buble gate  for blow out  to this was plug back, give da	436  the Mes  prevente  t preven	a Verde formar equipped wation on this	ation.  ith  well.
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\*See Instructions On Reverse Side

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#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the cuter houndaries of the Section. Cperator EL PASO NATURAL GAS COMPANY Well No. RUSSELI (SF-078499) Unit Letter Section Range County 23 28N Actual Footage Location of Well: 8W San Juan 910 feet from the North line and 1090 Ground Level Elev. feet from the West Producing Fermation line 6372 Mesa Verde Dedicated Acreage: Blanco Mesa Verde 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 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? If answer is "yes," type of consolidation \_ ☐ No If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of 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 Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the 10901 best of my knowledge and belief. (SF-078499) Sec. 23 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 MI-013860-A is true and correct to the best of my knowledge and belief. #3 0 Date Surveyed Professional Engineer

2000

Certifical

3950

KERR.





#### Multi-Point Surface Use Plan Russell #3A

- 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 Grambling 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,

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 sagebrush flats with sagebrush 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.

L. A. Aimes

Project Drilling Engineer

#### Operations Plan Russell #3A

I. Location: 910'N, 1090'W, Section 23, T-28-N, R-8-W, San Juan County, NM

Field: Blanco Mesa Verde Elevation: 6372'GL

#### II. Geology:

Α.	Formation T	ops:	Surface	San	Jose	Lewis	3474'
			Ojo Alamo		2454'	Mesa Verde	4986'
			Kirtland		2512'	Menefee	5083 <b>'</b>
			Fruitland		3044'	Point Lookout	5572 <b>'</b>
			Pic.Cliffs		3334'	Total Depth	6025'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 4980', 5075', 5565' 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 3675'. Gas from intermediate casing to Total Depth.

#### IV. Materials:

Α.	Casing Pro	ogram: Hol	e Size		Casing Size	Wt.&Grade
	_	13	3/4"	200	9 5/8"	32.3# H-40
		8	3/4"	3675 <b>'</b>	7"	20.0# K-55
		6	1/4"	3525-6025 <b>'</b>	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" surface casing - B & W guide shoe (Prod. No. FC 06-09611-0200)

7" intermediate casing - Pathfinder guide shoe (Part #1003-1-007) and Howco self-fill insert float valve (Price Ref.36A&37), 5 Pathfinder stabilizers (Part #107-10) every other joint above shoe. Run float two joints above shoe.

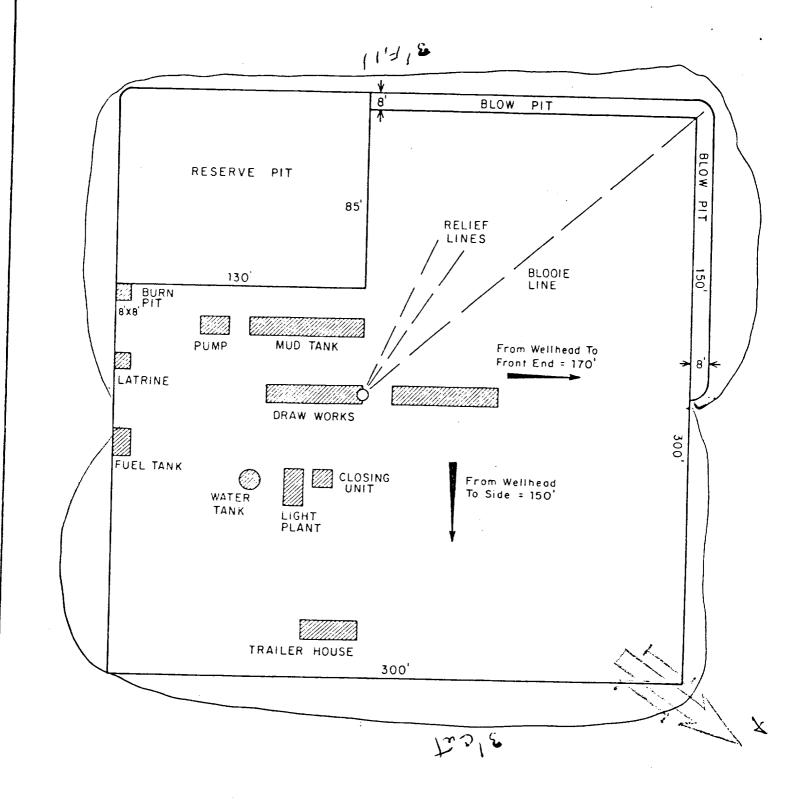
- 4 1/2" liner 4 1/2" liner hanger with neoprene packoff. Larkin geyser shoe (Fig. 222) and Larkin flapper type float collar(fig. 404 M&F).
- C. Tubing: 6025' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple one joint above bottom. Tubing will be open ended.
- D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree.

#### V. <u>Cementing</u>:

9 5/8" surface casing - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

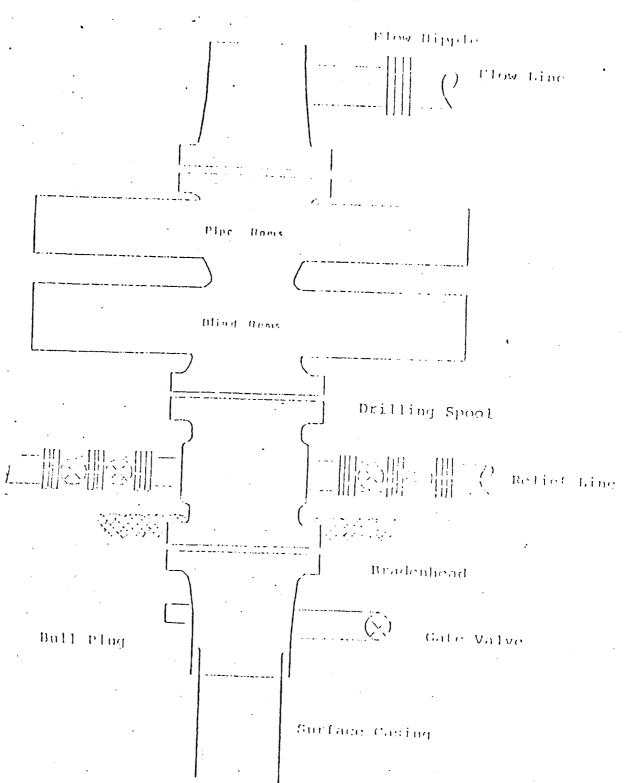
7" intermediate casing - use 97 sks. of 65/35 Class "B" Poz with 6% gel and 2% calcium chloride (8.3 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (275 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

4 1/2" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 314 sks. of 50/50 Class "B" Poz with 2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sack (436 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.



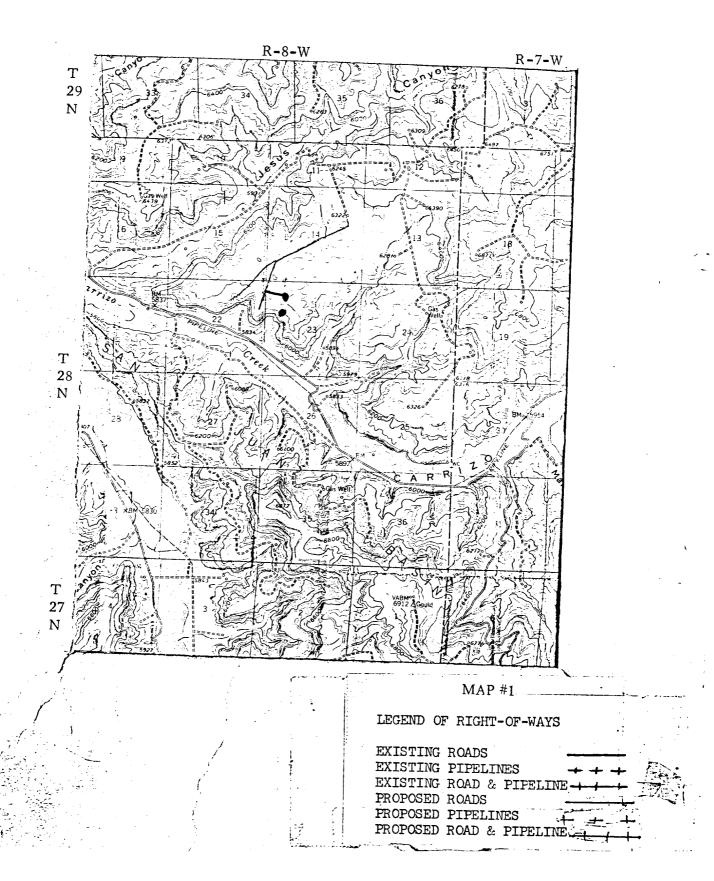
-		F			ENG. REC.	DATE	☐ El Pasa Metural Can O
					DRAWN J.L.H	8-16-78	El Paso Natural Gas Company
		L I			CHECKED		TYPICAL LOCATION PLAT FOR
					CHECKED		
_===		L		† · <del></del>	PROJ. APP.	·	MESAVERDE OR DAKOTA DRILL SITE
PRT.	SEP.	DATE	TO	w.o.	DESIGN	<del></del>	
		PRINT	RECORD		w.o.	<u> </u>	SCALE: 1"= 50' DWG.

## Typical B.O.E. Englatiation for Mega Verde Well

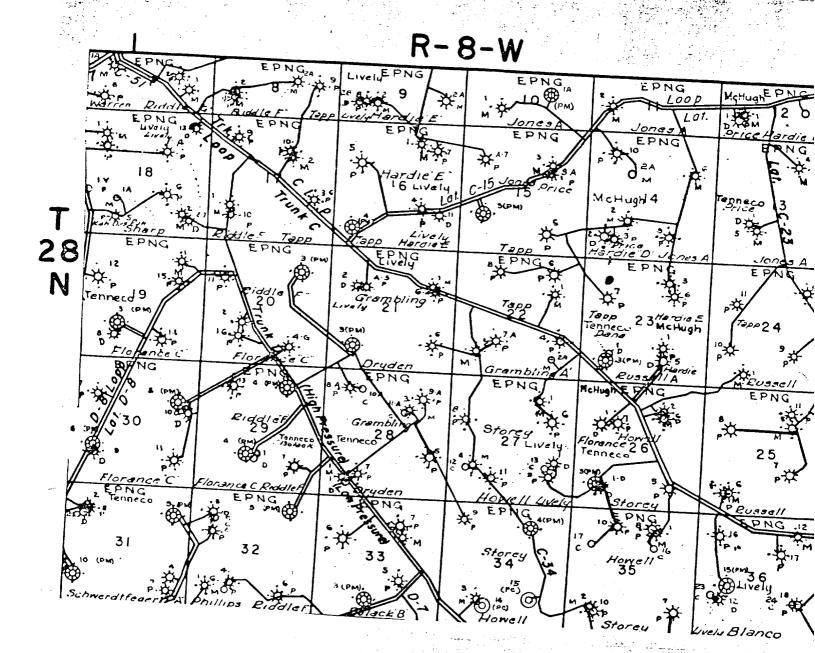


Series 900 Double Gate BOP, rated at 3000 psi Working Pressure
When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line.

### EL PASO NATURAL GAS COMPANY Russell #3A NW 23-28-8



# EL PASO NATURAL GAS COMPANY Russell #3A NW 23-28-8



MAP #2

Proposed Location