3R - 427

3R WORKPLAN

09/19/2007

GROUNDWATER INVESTIGATION AND REMEDIATION PLAN

Well Location:

El Paso 1A

API # 3004522778

SAN JUAN BASIN, NEW MEXICO

September 19, 2007

Prepared for:

New Mexico Oil Conservation Division Santa Fe, New Mexico 87505

Prepared by:

Burlington Resources Oil and Gas Company Farmington, New Mexico 87402

ATTACHMENT 3

Burlington Resources

El Paso 1A

Site diagram

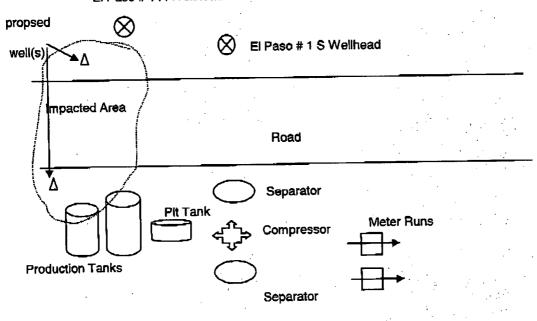
Burlington Resources El Paso # 1 A 500' FNL & 1840' FWL Sec. 20, Twn 29 N, Rng 9 W Lease # NM 0560422 36°43.0' & 107°48.3'

Diagram:

Approx. Groundwater Gradient



El Paso # 1 A Wellhead



* Please Note: Not to Scale

Proposed Well location

* *			TRANSACTION	EPORT	P. 01 SEP-19-2007 WED 01:18 PM
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PO BOX 4298, FARMINGTON NM 87499



Fax

TO: Glen Van Gonten	From:	Gregg Wurtz
Fanc 476-3462	Phones	/ /
Date: 9/19/07	E-maii	
Ro: Groundwater	Fax:	
El Paso IA	Pagesi	15.

• Comments:

Questions? call me at 505 320-2653 on Bruce. Thank you.

GROUNDWATER INVESTIGATION AND REMEDIATION PLAN

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Groundwater Investigation and Remediation Plan Well Location: El Paso 1A

INTRODUCTION

Burlington Resources Oil and Gas Company (BR) discovered historic contamination on the well location El Paso 1A (T29N, R9W, SEC. 20, UNIT C) (Figure 1 and 2). A State of New Mexico Energy Minerals and Natural Resources Release Notification and Corrective Action Form C-141 was submitted to the Oil Conservation Division (Attachment 2). The soil contamination discovered was not related to a specific spill event. The impacted soils were removed and transported to a commercial landfarm. Groundwater was encountered during the excavation of the impacted soils. BR is submitting this Groundwater Investigation and Remediation Plan to address possible water quality impacts identified during soil excavation and remediation.

OBJECTIVES

The objective of this Groundwater Investigation and Remediation Plan is to properly address the protection of groundwater resources and human health and the environment.

GROUNDWATER INVESTIGATION

BR excavated approximately 450 cu. yds. of soil from an excavation 30 ft x 45 ft x 9 ft deep at the El Paso 1A. Two soil samples were collected and analyzed for BTEX and TPH from the excavation. The analytical results from a four wall composite sample and a southwest corner sample are provided in (Attachment 1). The sample analysis confirmed that the soil contamination was removed to below regulatory levels.

Groundwater was encountered during the excavation activities. In assessing the potential groundwater impacts BR will follow the NMOCD guidelines: <u>Guidelines For Remediation Of Leaks</u>, Spills, Releases (NMOCD, August 1993).

Groundwater data will be collected to determine potential groundwater impacts and if so data necessary to select and design an effective remediation strategy.

A temporary or permanent monitoring well will be installed in or immediately adjacent to the suspected source area to determine if the groundwater is impacted. The well is scheduled to be installed the week of September 24, 2007. This initial groundwater monitoring well (source well) will be sampled and analyzed for the parameters listed in the Sampling Procedures section of this plan. Thell aboratory results should be available for review the week of October 8, 2007. If the values are below the closure standards, then no further groundwater investigation is required. If the values are above the standards, additional work will be required to define the impact. The NMOCD will be notified of the results of the groundwater investigation.

If the source well indicates there has been groundwater impact, a single, downgradient monitoring well will be installed. If the horizontal extent of the groundwater impact and/or the direction of groundwater flow is not adequately defined, then additional wells may be needed.

The additional monitoring wells will be located upgradient, downgradient, or cross-gradient from the source well to adequately characterize groundwater flow and quality. These wells may be permanent, temporary, or driven well points/piezometers.

Surface and top of casing elevations for the permanent wells will be surveyed to the nearest 0.01 foot for use in determining groundwater flow direction.

Information collected during the groundwater assessment will include lithologic logs, well completion diagrams, analytical work, and groundwater flow direction.

MONITORING WELL CONSTRUCTION

Permanent monitoring wells will be constructed of 2-inch diameter PVC with 5 feet of screen above the water table and 10 feet of screen below the water table, subject to site/drilling conditions. Sand pack, bentonite seal and grout will be used to complete the wells which will have a concrete pad and be fitted with locking caps. The wells may be completed with a concrete pad flush to the ground surface in high traffic areas.

Temporary monitoring wells will be constructed of 2-inch diameter PVC with a minimum of 5 feet of slotted screen. Temporary wells may use a natural sand pack with a bentonite scal above the water table, subject to site/drilling conditions. Driven well points/piezometers will use a natural sand pack and will not have a bentonite seal in most cases. If continued monitoring of temporary wells is anticipated, concrete pads, temporary protective casing, and/or bumpers, etc. will be added to secure the well locations.

SAMPLING PROCEDURES

The well(s) will be developed in order to obtain a representative groundwater sample. Development will be complete when pH and specific conductance stabilize and turbidity is reduced.

Groundwater samples will be collected following well purging (removal of a minimum of 3 well volumes, or until dry). Groundwater samples will be collected using laboratory supplied containers and prescriptives. Zero headspace techniques will be used for those samples requiring analysis for volatile constituents. Samples will be stored on ice and delivered within required holding periods under chain-of-custody procedures to the analytical laboratory.

Based on the typical contaminants associated with oil and gas exploration/production activities, sampled water will be analyzed for the following constituents.

Total Dissolved Solids (TDS)

Benzene, Toluene, Ethylbenzene, Xylenes (BTEX)

Cations/Anions

RCRA Metals

Standard Methods

EPA 602/8020

EPA or Standard Methods

EPA 6010 or 7000 Series

Additional analytical work may also be conducted to assist in the evaluation of subsurface conditions and remediation design.

If no cations/anions or heavy metals are detected above background or NMWQCC standards, future samples will only be analyzed for the constituent that was exceeded.

REMEDIATION

BR's basic approach to groundwater remediation is source removal and groundwater monitoring. The source removal promotes natural attenuation to restore hydrocarbon impacted groundwater. The groundwater monitoring will ensure the process is effective. If monitoring reveals that source removal is not adequately addressing the groundwater concerns at a certain site, more aggressive actions will be considered. Remediation technique will be submitted to and approved by the NMOCD prior to implementation.

Groundwater monitoring will be conducted to ensure the source removal activity is sufficient to adequately address the impacts to the groundwater. The monitoring wells located at or near the source and downgradient of the source will be sampled on a quarterly basis. When an individual monitoring well has shown compliance with NMWQCC groundwater standards for four (4) consecutive quarters, the quarterly monitoring will be discontinued for that individual well. These monitoring wells dropped from the quarterly sampling will be sampled at the time of final site closure to demonstrate that successful closure has been achieved.

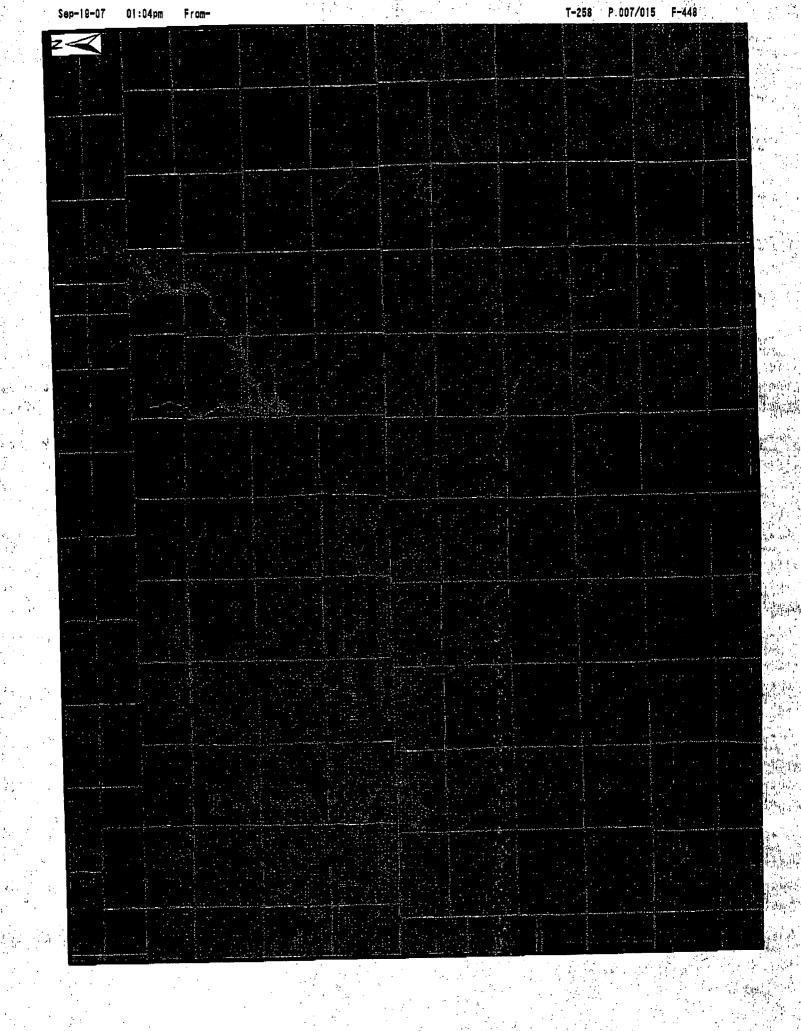
If the quarterly monitoring does not demonstrate statistically significant improvement in groundwater within four (4) quarters, BR will evaluate the need to modify the site-specific remedy to enhance performance.

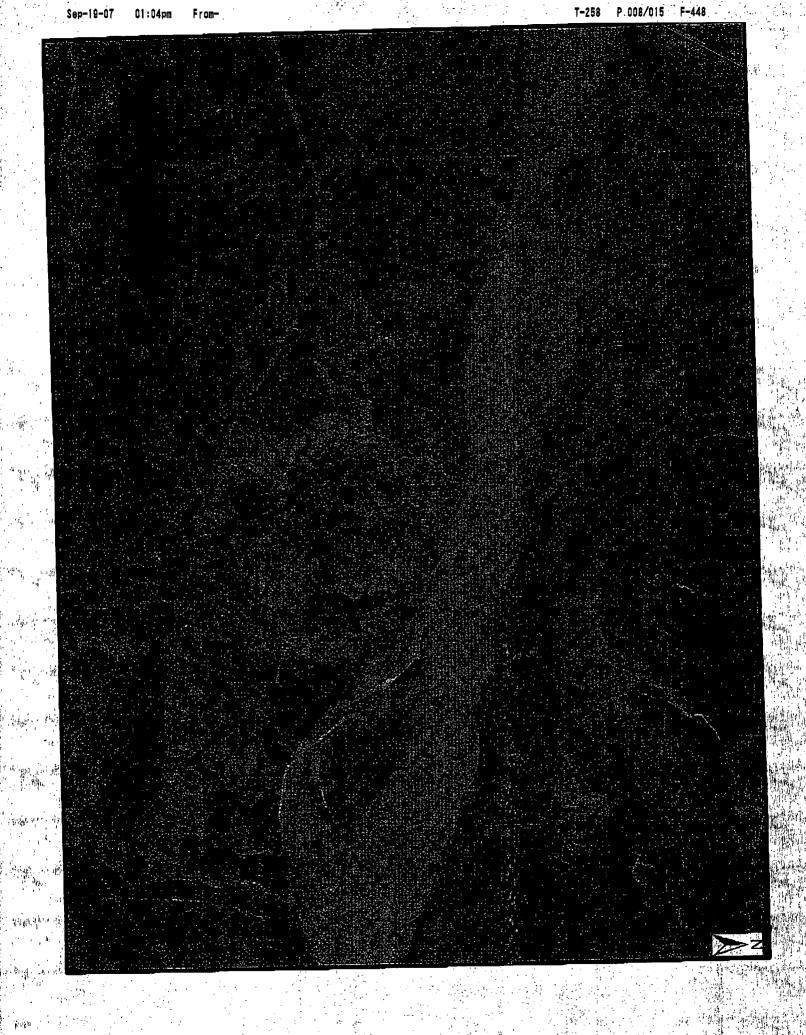
COMPLETION AND TERMINATION

BR proposes that site remediation be considered complete after four (4) consecutive quarters of monitoring where groundwater quality meets NMWQCC standards or background concentrations. Subsequently, a closure report will be submitted to NMOCD for approval.

Sep-19-07 01:04pm From- T-258 P.006/015 F-448

FIGURE 1 AND 2
SITE LOCATIONS
EL PASO 1A





Sep-19-07 01:05pm From- T-258 P.009/015 F-448

ATTACHMENT 1

SOIL SAMPLING DATA



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

•			The second second	•
Client:	Burlington	Project #:		92115-001-2133
Sample ID:	4 - Wall Comp @ 6'	Date Reported:		02-28-07
Laboratory Number:	40210	Date Sampled:		02-27-07
Chain of Custody No:	2133	Date Received:		02-27-07
Sample Matrix:	Soil	Date Extracted:		02-27-07
Preservative:	Coal	Date Analyzed:		02-28-07
Condition:	Cool and Intect	Analysis Requested:		8015 TPH

Parameter	Concentration (mg/Kg)	Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments: El Paso 1S.

111

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client

Burllington
4 - Wall Comp @ 6'

Project #: 92116-001-2133
Date Reported; 02-28-07

Sample ID: Laboratory Number: Chain of Custody:

40210 2133 Date Sampled: Date Received: Date Analyzed; 02-27-07 02-27-07

Sample Matrix: Preservative: Soil Cool Date Analyzed: 02-28-07
Date Extracted: 02-27-07

Condition:

Gool & intact

Analysis Requested:

BTEX

1.0

Parameter			centration g/Kg)		Det. Limit (ug/Kg)	
	7 ,					.73
Benzenê			ND		1.8	$\frac{1}{1+\frac{1}{2}} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$
Toluene			ND	. 4	1.7	
Ethylbenzene		•	2.2	,	1.5	
p,m-Xylene			, ND	•	2.2	

Total BTEX

o-Xylene

2.2

ND

ND - Parameter not detected at the stated detection limit.

		•		
Surrogate Recoveries:	Parameter		Percent Recovery	
	Fluorobenzene		97.0 %	
•	1,4-difluorobenzene		97.0 %	
· ·	Bromochlorobenzene		97.0 %	

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-848, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

El Paso 13.

Christin on Washer

Review

Line 1

CLLI ODC

ENVIROTECH LABS

EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

		•	
Client	Burlington Resources	Project#:	92115-001-2123
Sample ID:	SW Comer @ 8'	Date Reported:	02-26-07
Laboratory Number:	40182	Date Sampled:	02-26-07
Chain of Custody No:	2 123	Date Received:	02-26-07
Sample Matrix:	Soil	Date Extracted:	02-26-07
Preservative:	Cool	Date Analyzed:	02-26-07
Condition:	Cool and Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Limit (mg/Kg)
		!
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2
	· ···	the state of the s

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

El Paso 18 Spill.

Christin of Walters

Slud Nall

From-

EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client

Burlington Resources

Project #.

92115-001-2123

Sample ID: Laboratory Number: SW Comer @ 8' 40182

Date Reported:

02-26-07 02-26-07

Chain of Custody: Sample Matrix:

2123 Soll

Date Sampled: Date Received: Date Analyzed:

02-26-07 02-26-07

Preservative:

Cool

Date Extracted:

02-26-07

Condition:

Cool & Intact

Analysis Requested:

BTEX

1.8 1.7 1.5 2.2

					 Det	 , .
•	}		Concentration		Limit	
	Parameter		(ug/Kg)	<u> </u>	 (ug/Kg)	
			· · · · · · · · · · · · · · · · · · ·		 	

penzene		. ND
Toluene		6.1
Ethylbenzene		ND
p,m-Xyiene		21.8
o-Xylene	· ·	17.8
Total BTEX		45 7

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter		Percent Recovery
	Fluorobenzene		99.0 %
•	1,4-difluorobenzene	•	99.0 %
	Bromochlorobenzene	•	99.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846.

USEPA, December 1996.

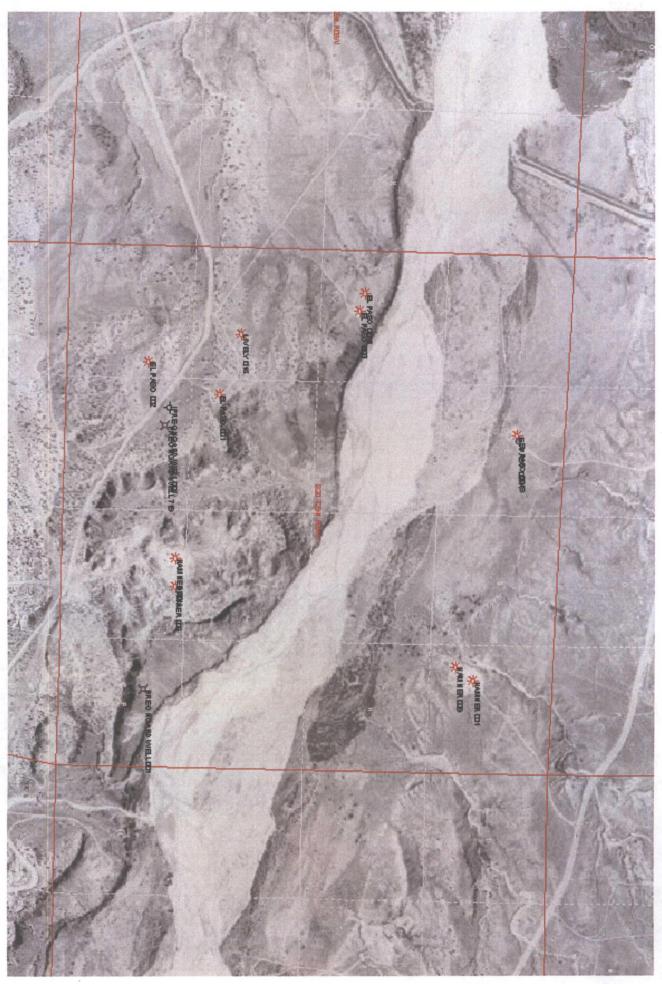
Comments:

El Paso 18 Spill.

ep-19-07 01:06pm From- T-258 P.014/015 F-448

ATTACHMENT 2
OCD FORM C-141

ConocoPhillips El Paso 1A Release site



Oil Conservation Division

MapNotes

DrawnBy

UNITED STATES

SUBMIT IN TR ATE. (Other instruc

Form approved, Budget Bureau No. 42-R1425.

(May 1963) reverse side) 30-045- 22778 DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** NM 0560422 G. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME DRILL [DEEPEN | PLUG BACK b. TYPE OF WELL SINGLE ZONE MULTIPLE ZONE WELL WELK GAS S. FARM OR LEASE NAME OTHER 2. NAME OF OPERATOR El Paso 9. WELL NO. El Paso Natural Gas Company
3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT PO Box 990, Farmington, NM 87401
LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) Blanco Mesa Verde 11. SEC., T., B., M., OR BUE.

AND SURVEY OR AREA

Sec. 20, T-29-N, R-9-W 500'N, 1840'W At proposed prod. zone **NMPM** 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 12. COUNTY OR PARISH | 13. STATE San Juan 15. DISTANCE FROM PROPOSED 16. NO. OF ACRES IN LEASE 17 NO. OF ACRES ASSIGNED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) 320.00 18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 4720' Rotary 21. ELEVATIONS (Show whether DF, RT, GR. etc.) 22. APPROX. DATE WORK WILL START* 5559**'**GL PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT cu.ft. to circulate 32.3# 2001 24 9-5/8" 13 3/4" cu.ft.to cover Ojo Alamo 2325' 322 20.0# 8 3/4" 443 cu.ft.to fill to 2175' 2175-4720 10.5# 6 1/4" 4 1/2"liner Selectively perforate and sandwater fracture the Mesa Verde formation. A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well This gas is dedicated. The W/2 of Section 20 is dedicated to this well. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zone and proposed new zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. preventer program, if any 24. 10-20-77 BIGNED TITLE Drilling Clerk DATE

(This space for Federal or State office use) PERMIT NO. APPROVAL DATE APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY : 1977

*See Instructions On Reverse Side

The Contract of the

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

All distances must be from the outer boundaries of the Section.

	711	CHANGE OF MARKET OF THE	om the outer boundar	ies of the Section.		
Operator EL PAS	O NATURAL GAS	COMPANY	Lease EL PASO	(NM-C)560422)	Well No.
С	tion Towns 20	29 -N	Range 9-W	County	san juan	
Actual Feetinge Location 500 fee	of Well: NORT	H line and	1840	feet from the	WEST	line
Ground Level Elev. 5559	Producing Formation MESA VI	ERDE	BLANCO	MESA VERDE	Dedic 32	oled Acreage: Acres
1. Outline the ac	reage dedicated to	the subject we	ll by colored pen	cil or hachure	marks on the pla	t below.,
2. If more than a interest and re		ated to the well	, outline each an	d identify the c	ownership thereof	(both as to working
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Yes	No If answer	is "yes;" type o	f consolidation _			
		and tract desc	riptions which ha	ve actually bee	en consolidated. (Use reverse side of
forced-pooling,	ill be assigned to t	il a non-standare	l unit, eliminating	such interest	s, has been appro	ization, unitization, oved by the Commis-
MITTER STATE OF THE PARTY OF TH	i k	T			CER	TIFICATION
	806.6				I hereby certify	that the information con-
1840'			. 1	·	tained herein is best of my know	true and complete to the edge and belief.
	1	B	1		Original Signe	
\	+ 03,402				Drilling C	lerk
	1]		1	tural Gas Co.
NM-C	560422				October 20	, 1977
	SEC	T10V 20	i		Date	
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o 330 500 60	1329 1850 1980 2310	20.49 2000	1500 1500	200 C		_,



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan El Paso #1A

- 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 in the San Juan River.
- 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

Page Two

- 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 Seed Mixture #2 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 brown (Federal Standard #595 30318).
- 11. Other Information The terrain is rolling hills and sand stone ledges covered with sage brush. Cattle occasionally 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.

October 20, 1977

D. R. Read

Division Drilling Engineer

DRR:pb

Operations Plan El Paso #1A

I. Location: 500'N, 1840'W, Section 20, T-29-N, R-9-W, San Juan County, NM

Field: Blanco Mesa Verde Elevation: 5559'GL

II. Geology:

A.	Formation Tops:	Surface	Nacimiento	Lewis	2125'
	_	Ojo Alamo	895'	Mesa Verde	3560'
		Kirtland	975'	Menefee	3735'
		Fruitland	1715'	Point Lookout	4271'
		Pic.Cliffs	1990'	Total Depth	4720'

- B. Logging Program: GR-Ind. and GR-Density at Total Depth.
- C. Coring Program: none
- D. Natural Gauges: 3550', 3725', 4260' 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 2325'. Gas from intermediate casing to Total Depth.

IV. Materials:

Α.	Casing Program:	Hole Size	Depth	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	32.3# H-40
		8 3/4"	2325'	7"	20.0# K-55
		6 1/4"	2175-4720'	4 1/2"	10.5# K-55

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

7" intermediate casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B&W stabilizers (Prod. No. 637085) 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: 4720' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom.
- D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree.

Operations Plan - El Paso #1A

V. Cementing:

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.

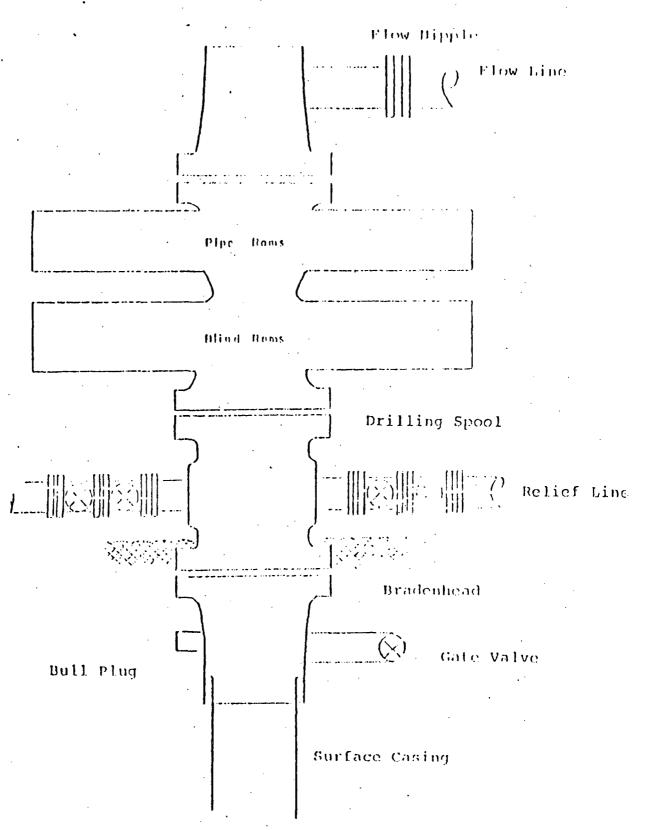
7" intermediate casing - use 73 sks. of 65/35 Class "B" Poz with 6% gel and 2% calcium chloride (8.3 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (322 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

4 1/2" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 246 sks. of Class "B" cement with 4% gel, 1/4 cu.ft. of fine gilsonite per sack and 0.6% Halad-9 (443 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

DRR:pb

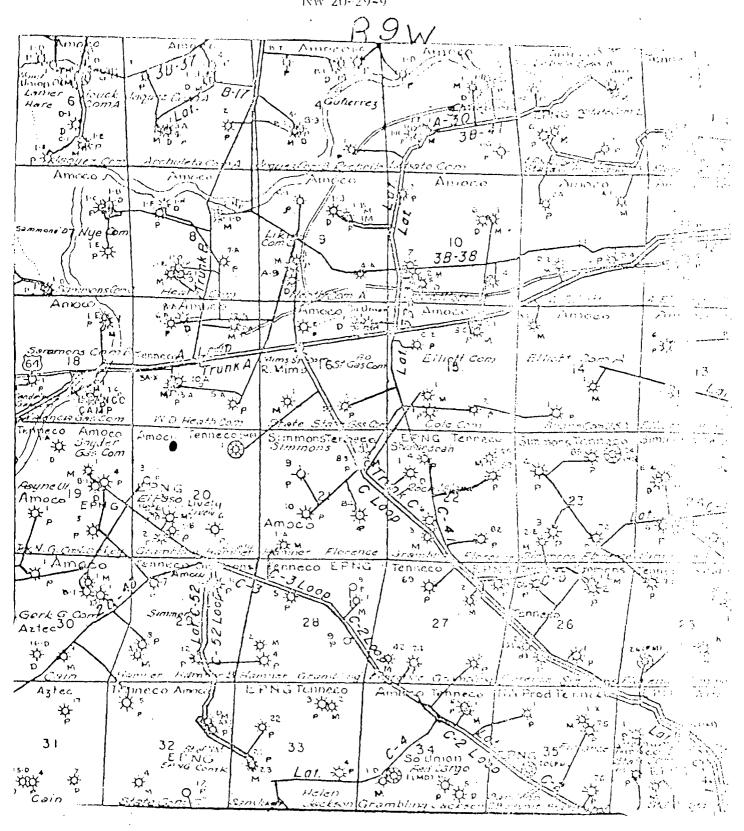
Bel Frank 72.4 27 130 Roserve Daw Korks Mud 1122 Chains cutaft Jule 2 fc From wellhood to Bloom 250

Typical Location Plat for Missa Virde ABN Lukska Wells



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-El Pase #1A NW 20-29-9



OIL CONSERVATION COMMISSION DISTRICT

	CONSERVA	ATION COMMISS	ION		DATE	./ .	26	1	
		EW MEXICO			RE:	Propose	d MC _		
						Propose	d DHC _		
						Propose	d NSL		
						Propose	d SWD _		
						Propose	d WFX		
						Propose	d PMX _	, ************************************	
Gent	lemen:								
	I have	examined the	application	dated		26	77		
īor	the	examined the Operator	Steel Con	ان المنظم المراجعة المنظم المراجعة	74 /	'z' (11 - Ze	~ ~ ~ ~	v .
		Operator	Lo	ease and We	ll No.	•	Unit, S	S-T-R	
and	my recon	mendations a	ce as follows	s:					
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			····						···········
· · · · · ·									
									
					Yours	s very t	ruly,		

E Paso NATURAL GAS COMPANY

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

October 20, 1977

Mr. Joe Ramey New Mexico Oil Conservation Commission Post Office Box 2088 Santa Fe, New Mexico 87501

Dear Mr. Ramey:

This is a request for administrative approval for an unorthodox gas well location in the Blanco Mesa Verde pool.

It is intended to locate the El Paso Natural Gas Company's El Paso #lA well at 500' from the North line and 1840' from the West line of Section 20, T-29-N, R-9-W, San Juan County, New Mexico.

Largo Canyon and Largo Wash cover most of the northern half of this section, making it impossible to build an orthodox gas well location.

All operators of proration units offsetting the proposed unorthodox location have been notified of this application by certified mail.

Plats showing the proposed well location and the terrain of Section 20, along with an ownership plat, are attached.

Yours truly,

D. R. Read

Division Drilling Engineer

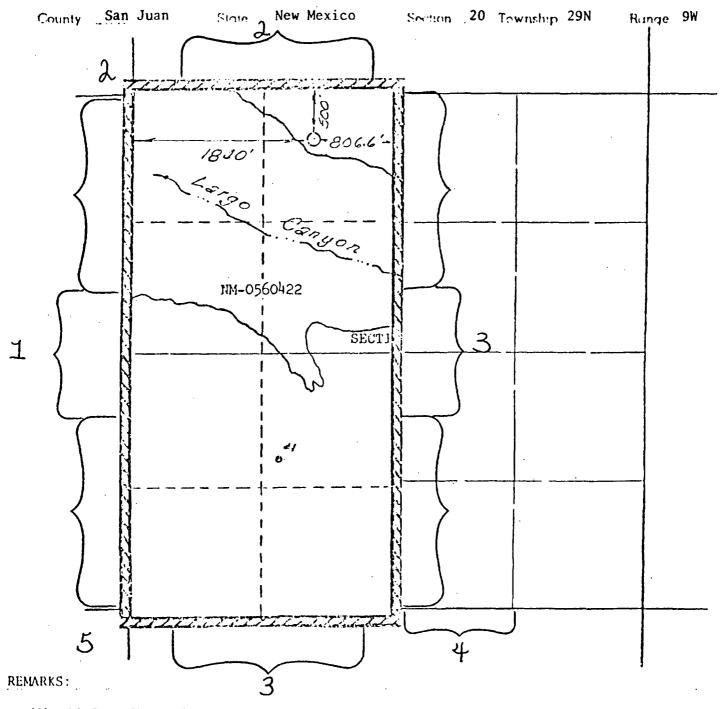
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ASO NATURAL GAS COMPANY

Well Name El Paso #1 A, Blanco Mesaverde

Footage--- 500' FNL, 1840' FWL
APPLICATION FOR NON-STANDARD LOCATION



- (1) El Paso Natural Gas Company
- · (2) Amoco
- (3) Tenneco Oil Company
 - (4) D. J. Simmons
 - (5) Aztec Oil & Gas Company

NE EXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Operate				Lease	(m. nr(n) nn)	Well No.
	EI.	PASO NATURAL	GAS COMPANY	EL PASO	(NM-0560422)	1A
Unit L	etter C	Section 20	Township 29-N	Hange 9-W	SAN JUAN	
	Footage Lect 500		NORTH	1840	WEST	line
Ground	Level Elev. 5559	Producing Form		Pool BLANCO MES	Des	licated Acreage: 20.00 Acres
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		s "no;" list the o	owners and tract desc	criptions which have ac	tually been consolidated	. (Use reverse side of
	forced-pool	ing, or otherwise)	or until a non-standar		onsolidated (by commun h interests, has been app • 9-6-77	
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APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES

SUBMIT IN TRIPLIC (Other instructions reverse side)

Form approved. Budget Burenu No. 42-R1425.

DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. **GEOLOGICAL SURVEY** MM 0560422 G. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK In. TYPE OF WORK 7. UNIT AGREEMENT NAME DEEPEN [DRILK [PLUG BACK b. TYPE OF WELL BINGLE MULTIPLE ZONE wkit GAS WELK 8. FARM OR LEASE NAME 2. NAME OF OPERATOR El Paso 9. WELL NO. E1 Paso Natural Gas Company 3. ADDRESS OF OPERATOR 1A PO Box 990, Farmington, NM 87401
4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface 10, FIELD AND POOL, OR WILDCAT Blanco Mesa Verde 11. SEC., T., B., M., OR BLK.
AND SURVEY OR AREA
Sec. 20, T-29-N, R-9-W 1840'W 500'N, At proposed prod. zone **NMPM** 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12. COUNTY OR PARISH | 13. STATE NM San Juan 15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT 1G. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL. 320.00 (Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4720' Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL STARTS 5559'GL PROPOSED CASING AND CEMENTING PROGRAM WEIGHT PER FOOT QUANTITY OF CEMENT SIZE OF HOLE SIZE OF CASING SETTING DEPTH 224 cu.ft. to circulate 200' 32.3# 9 5/8" 13 3/4" <u>322 cu.ft.to cover Ojo Alamo</u> 23251 8 3/4" 20.0# 443 cu.ft.to fill to 2175 1/2"liner 10.5# 2175-4720 6 1/4" Selectively perforate and sandwater fracture the Mesa Verde formation. A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated. The W/2 of Section 20 is dedicated to this well. IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM : If proposal is to deepen or plug back, give data on present productive zong 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. preventer program, if any 24. Drilling Clerk 10-20-77 TITLE . BIGNED (This space for Federal or State office use) PERMIT NO.

DATE

TITLE

UNITED STATES DEPARTMENT OF THE INTERIOR

	Form Approved.	
-	Budget Bureau No.	42-R1424

5. LEASE

SUNDRY NOTICES AND REPORTS ON WELLS Con not use this form for proposals to drill or to deepen or plug back to a different reservor. Use from 3-33-1 Cor not use this form for proposals to drill or to deepen or plug back to a different reservor. Use from 3-33-1 Cor not proposals. 1. oil	İ	DEPARTMENT OF THE INTERIOR	NM 0560422
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RECEIVED

Form 9-331 (May 1963)

UNITED STATES SUBMIT IN TRIPLICATE* Other instructions on re(Other instructions on reverse side) Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY	NM 0560422
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTER OR TRIBE NAME
OIL GAS X OTHER	7. UNIT AGREEMENT NAME
WELL WELL (1) OTHER 2. NAME OF OPERATOR	8. FARM OR LEASE NAME
EL PASO NATURAL GAS CO.	EL PASO 9. WELL NO.
BOX 990, FARMINGTON, NEW MEXICO 87401	
1. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)	10. FIELD AND POOL, OR WILDCAT
At surface 500'N, 1840'W	BLANCO MESA VERDE 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
	Sec. 20, T-29-N, R-9-W
14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
j 5559¹ GL	SAN JUAN NEW MEXICO
Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature of Notice, Report, or Company of the Check Appropriate Box To Indicate Nature Of Notice, Report, or Check Appropriate Box To Indicate Nature Of Notice, Report, or Check Appropriate Box To Indicate Nature Of Notice, Report, or Check Appropriate Box To Indicate Nature Of Notice, Report, Nature Of Notice, Report, Nature Of Notice, Nature Of Nature Of Nature Of Nature Of Nature Of Nature Of Nature Of Nat	
	CENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT	REPAIRING WELL ALTERING CASING
SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING	ABANDONMENT*
REPAIR WELL CHANGE PLANS (Other) (NOTE: Report result	s of multiple completion on Well
 DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice. 	oletion Report and Log form.) i, including estimated date of starting any cal depths for all markers and zones perti-
nent to this work.) *	
1/8/78: T.D. 2331'. Ran 58 joints 7", 20#, K-55 intermed at 2331'. Cemented with 322 cu. ft. cement. WOO 30 minutes. Top of cement at 525'.	
1/12/78: T.D. 4723'. Ran 79 joints 4 1/2", 10.5#, KS cast 2163-4723'. Float collar set at 4706'. Cemented cement. WOC 18 hours.	
2/20/78: PBTD 4706'. Tested casing to 3500#, OK. Perfed 3713,3719,3835,3845,4029,4035,4096,4152,4168,4174 Fraced with 40,000# 20/40 sand and 72,100 gal. wa 5000 gallons water. Perfed P.L. 4284,4290,4296,44349,4355,4361,4409,4439,4444,4461,4490,4501,4521 w/1 SPZ. Fraced with 63,000# 20/40 sand and 104, Flushed w/5100 gal. water.	4,4180,4187' w/1 SPZ. hter. Flushed with 4502,4318,4324,4330,4342, 4548,4566,4582,4675'
· · · · · · · · · · · · · · · · · · ·	EB 2 4 1978 L CON. COM. DIST. 3 DATE 2 21/78
(This space for Federal or State office use)	
APPROVED BYTITLE	PECEIVED
CONDITIONS OF APPROVAL, IF ANY:	FEB 23 1978

Pebruary 24, 1978

El Paso Natural Gas Company P. O. Box 990 Farmington, New Mexico 87401

Administrative Order NSL-927

Gentlemen:

Reference is made to your application for approval of a non-standard location for your El Paso Well No. 1A to be located 500 feet from the North line and 1840 feet from the West line of Section 20, Township 29 North, Range 9 West, NMPM, Blanco Mesaverde Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours,

JOE D. RAMEY Secretary-Director

JDR/RLS/jr

cc: U.S. Geological Survey - Farmington
Oil & Gas Engineering Committee - Eobbs
OCC - Aztec



UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE • |

(See other in-	Budget Buleau 110 42-R505.						
structions on reverse side)	5. LEA	SE	DESIGNATION	AND	SERIAL	NO.	
	NM	0	560422				

		GEOLOG	ICAL	SURVEY				NM 05	60422
WELL CO	MPLETIO	N OR REC	OMPL	ETION I	REPORT	AND	LOG*	6. IF INDIA:	N, ALLOTTEE OR TRIBE NAME
is. TYPE OF WEI	LL: 0		LL X	DRY .	Other				EEMENT NAME
b. TYPE OF COM	WORK [] D	EEP- PL	CG C	DIFF. RESVR.	Other			S. FARM OR	LEASE NAME
2. NAME OF OPERA	TOR							EL PAS	50
EI. P	ASO NATI	JRAL GAS	co.	÷.				9. WELL NO.	
3. ADDRESS OF OPE	RATOR							1.A	
4. LOCATION OF WE	990, FAI	RMINGTON	, NEW	MEXIC) Stata ragui	ram anta) f			ND POOL, OR WILDCAT
A			in accord	iunce with an	y winte requi	'ementa j		Blance	Mesa Verde R., M., OR BLOCK AND SURVEY
	0'N, 184							OR AREA	20, T-29-N, R-
At top prod. in	tervai reported	Delow						NMPM	20, 1 25 11, 10
At total depth							·		
			14	i. PERMIT NO.	ı	DATE ISS	UED	12. COUNTY PARISH	OR 13. STATE
15. DATE SPUDDED	116 0475 7.5	REACHED 17.	DATE CON	DI / Deadu to	nrod) l to			San Ji	19. ELEV. CASINGHEAD
		1/78		'9/78	18		100 S (DF, RI 5559 '		Dadii Gadii Giland
1/5/78 20. TOTAL DEPTH, MD		L / / O LUG, BACK T.D., 3		22. IF MUL	TIPLE COMPL.		3. INTERVAL	S ROTARY TOO	LS CABLE TOOLS
4723	ς,	4706	1	HOM. 71	Y 1, 2 &		DRILLED	BY 0-4723	1
24. PRODUCING INTE				TOM, NAME (A	ID AND TVD)	,		! -	25. WAS DIRECTIONAL SURVEY MADE
			365	2-4675	' (MV)				No No
					•	•			
26. Type ELECTRIC .	AND OTHER LOGI	S RUN							27. WAS WELL CORED
I-GR; FD	C-GR; Te	emp. Sur	vey						No
28.				ECORD (Rep		s set in w		N. PROOPE	
CASING SIZE	WEIGHT, LI		H SET (M)	<u> </u>	LE SIZE	ļ		NG RECORD	AMOUNT PULLED
9 5/8"	32.3#	242			3/4" /4"	ļ	323	cf.	
	20#	233	T .	- 0 3	/ 4		344		
				<u>-</u>					
29.		LINER RECO	ORD			30	١.	TUBING RECO	ORD
29.	TOP (MD)	BOTTOM (MI		S CEMENT	SCREEN (M		SIZE	TUBING RECO	
	TOP (MD)		SACE	43 cf.	SCREEN (M			DEPTH SET (M	
4 1/2"	2163'	47231) sace	43 cf.	SCREEN (M		SIZE	,	
4 1/2" 31. PERFORATION REC	2163'	BOTTOM (MI 4723'	sace 4	43 cf. 52,3660	32.	ACID,	SHOT, FR.	DEPTH SET (M 4674! ACTURE, CEMEN	T SQUEEZE, ETC,
812E 4 1/2" 31. PERFORATION REI , 3719, 3835	2163' CORD (Interval, 3845, 40	8ize and number 029,4035	5) SACE 4 (r) 365 ,4096	43 cf. 52,3660 5,4152,	32.	ACID,	2 3/8 [†] SHOT, FR.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN	D) PACKER SET (MD) T SQUEEZE, ETC. D OF MATERIAL USED
31. PERFORATION RE., 3719, 3835, 4174, 4180	2163' CORD (Interval, 6,3845,46 1,4187' v	812e and number 029,4035 w/1 SPZ.	sace 4 7) 365 ,4096 4284	2,3660 6,4152,	32.	ACID,	2 3/8 [†] SHOT, FR.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN	T SQUEEZE, ETC,
4 1/2" 31. PERFORATION REG., 3719, 3835, 4174, 4180, 4302, 4318	2163' CORD (Interval, 6,3845,46 9,4187' 1	8ize and number 029,4035 w/1 SPZ. 330,4342	365 ,4096 4284,	43 cf. 52,3660 5,4152, 4290,	32. DEPTH IN:	ACID, CERVAL (3	SHOT, FR.	ACTURE, CEMEN' AMOUNT AND KIN	T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 gal
31. PERFORATION REG , 3719, 3835 , 4174, 4180 , 4302, 4318 , 4409, 4439	2163' CORD (Interval, 6,3845,46 1,4187' 1 1,4324,43 1,4444,44	8ize and number 029,4035 N/1 SPZ. 330,4342461,4490	7) 365 ,4096 4284, ,4349	43 cf. 52,3660 5,4152, 4290,	32.	ACID, CERVAL (3	SHOT, FR.	ACTURE, CEMEN' AMOUNT AND KIN	D) PACKER SET (MD) T SQUEEZE, ETC. D OF MATERIAL USED
31. PERFORATION REG., 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582	2163' CORD (Interval, 6,3845,46 1,4187' 1 1,4324,43 1,4444,44	8ize and number 029,4035 N/1 SPZ. 330,4342461,4490	7) 365 ,4096 4284, ,4349	43 cf. 52,3660 5,4152, 4290, 4,4355, 4,4521,	32. DEPTH IN:	ACID, CERVAL (3	SHOT, FR.	ACTURE, CEMEN' AMOUNT AND KIN	T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 gal
31. PERFORATION REG., 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582	2163' CORD (Interval, 6,3845,46 1,4187' 1 1,4324,43 1,4444,44 1,4675' 1	8ize and number 029,4035 N/1 SPZ. 330,4342461,4490	7) 365 ,4096 4284, ,4349 ,4501	43 cf. 52,3660 5,4152, 4290, 4355, 4521,	3652- 4284-	ACID, FERVAL (No. 4187	SHOT, FR.	ACTURE, CEMEN' AMOUNT AND KIN 0,000#5a	packer set (MD) T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 gal nd; 104,800 gal
31. PERFORATION RE., 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582 33.* DATE FIRST PRODUCT	2163' CORD (Interval, , 3845, 46), 4187' 1 , 4324, 43 , 4675' 1 PRO	8ize and number 029,4035 W/1 SPZ. 330,4342 461,4490 W/1 SPZ.	7) 365,4096,4284,,4349,4501	2,3660 5,4152, 4290, 4355, 4521, PROD	3652- 4284- DUCTION Imping—size uge -	ACID, TERVAL (2 4187 - 4675 and type 120	SIZE 2 3/8' SHOT, FR. MD) 1 (of pump) MCF/D	DEPTH SET (M 4674' ACTURE, CEMEN' AMOUNT AND RIN 10,000#San 33,000#San	packer set (MD) r squeeze, etc. d of Material Used nd; 72,100 gal nd; 104,800 gal status (Producing or f-in) Shut In:
31. PERFORATION REC., 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582 33.* DATE OF TEST	2163' CORD (Interval, 6,3845,46 1,4187' 1 1,4324,43 1,4444,44 1,4675' 1	8ize and number 029,4035 W/1 SPZ. 330,4342 461,4490 W/1 SPZ.	7) 365,4096,4284,4349,4501	43 cf. 52,3660 5,4152, 4290, 4355, 4521, PROL PROL	3652- 4284- DUCTION Imping—size	ACID, TERVAL (2 4187 - 4675 and type 120	SIZE 2 3/8' SHOT, FR. MD) 1 (of pump)	ACTURE, CEMEN' AMOUNT AND KIN 0,000#5a	packer set (MD) r squeeze, etc. d of Material Used nd; 72,100 gal nd; 104,800 gal status (Producing or f-in) Shut In:
31. PERFORATION RE. , 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582 33.* DATE OF TEST 3/9/78	2163' CORD (Interval, , 3845, 46 , 4187' v , 4324, 43 , 4444, 44 , 4675' v	8ize and number 029,4035 N/1 SPZ. 330,4342 461,4490 N/1 SPZ. DECETION METHOD After 15 CHOKE 8	7) 365,4096,4284,,4349,,4501 ter F	2,3660 5,4152, 4290, 4355, 4521, PROD Frac Gar ROD'N. FOR EST PERIOD	32. DEPTH INT. 3652- 4284- DUCTION Imping—size uge - J OIL—BBL.	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN 10,000#5al 3,000#5al	packer set (MD) T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 gal nd; 104,800 gal status (Producing or f-in) Shut In GASOLL RAFIG.
81ZE 4 1/2" 31. PERFORATION RE , 3719, 3835 , 4174, 4180 , 4302, 4318 , 4409, 4439 , 4566, 4582 33.* DATE FIRST PRODUCT DATE OF TEST 3/9/78 FLOW. TUBING PRESS.	2163 ' CORD (Interval, , 3845, 46 , 4187 ' 16 , 4324, 43 , 4444, 44 , 4675 ' 16 HOURS TESTE CASING PRESS	8ize and number 029,4035 W/1 SPZ. 330,4342 461,4490 W/1 SPZ. DECETION METRO Afford CHOKE S	7) 365 ,4096 4284, ,4349 ,4501 ter F	2,3660 6,4152, 4290, 4,4355, 4,4521, PROL 19, gas lift, pu	3652- 4284- DUCTION Imping—size uge -	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674' ACTURE, CEMEN' AMOUNT AND RIN 10,000#San 33,000#San	packer set (MD) T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 gal nd; 104,800 gal status (Producing or 1-in) Shut In GASOLL RAPIG. OLL GLAVITY-API (CORR.)
31. PERFORATION RE. , 3719, 3835, 4174, 4180, 4302, 4318, 4409, 4439, 4566, 4582 33.* DATE OF TEST	2163 ' CORD (Interval, , 3845, 46 , 4187 ' 16 , 4324, 43 , 4444, 44 , 4675 ' 16 HOURS TESTE CASING PRESS SI 6	BOTTOM (MI 4723'	7) 365,4096,4284,,4349,,4501 ter Fize Pize Pize Pize Pize Pize Pize Pize P	2,3660 5,4152, 4290, 4355, 4521, PROD Frac Gar ROD'N. FOR EST PERIOD	32. DEPTH INT. 3652- 4284- DUCTION Imping—size uge - J OIL—BBL.	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN 0,000#Sal 03,000#Sal WELL shu WATER—BBL	PACKER SET (MD) T SQUEEZE, ETC. D OF MATERIAL USED INC. 72,100 gal MAR 3 1 19 SEED B
31. PERFORATION RE 31. PERFORATION RE , 3719, 3835 , 4174, 4180 , 4302, 4318 , 4409, 4439 , 4566, 4582 33.* DATE FIRST PRODUCT DATE OF TEST 3/9/78 FLOW. TUBING PRESS. SI 461	2163 ' CORD (Interval, , 3845, 46 , 4187 ' 16 , 4324, 43 , 4444, 44 , 4675 ' 16 HOURS TESTE CASING PRESS SI 6	BOTTOM (MI 4723'	7) 365,4096,4284,,4349,,4501 ter Fize Pize Pize Pize Pize Pize Pize Pize P	2,3660 5,4152, 4290, 4355, 4521, PROD Frac Gar ROD'N. FOR EST PERIOD	32. DEPTH INT. 3652- 4284- DUCTION Imping—size uge - J OIL—BBL.	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN 10,000#5al 53,000#5al WELL shu WATER—BBL	T SQUEEZE, ETC. D OF MATERIAL CSED nd; 72,100 gal nd; 104,800 gal STATUS (Producing or t-in) Shut In GASOIL RAFIGE OIL GAVITY-API (CORR.) MAR 3 1 19
31. PERFORATION RE 31. PERFORATION RE , 3719, 3835 , 4174, 4180 , 4302, 4318 , 4409, 4439 , 4566, 4582 33.* DATE FIRST PRODUCT DATE OF TEST 3/9/78 FLOW. TUBING PRESS. SI 461	2163 ' CORD (Interval, 6,3845,46 9,4187 ' 14 1,4324,43 1,4444,44 1,4675 ' 19 CASING PRESS SI 6 BAS (Sold, used f	BOTTOM (MI 4723'	7) 365,4096,4284,,4349,,4501 ter Fize Pize Pize Pize Pize Pize Pize Pize P	2,3660 5,4152, 4290, 4355, 4521, PROD Frac Gar ROD'N. FOR EST PERIOD	32. DEPTH INT. 3652- 4284- DUCTION Imping—size uge - J OIL—BBL.	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN 0,000#Sal 03,000#Sal WELL shu WATER—BBL	T SQUEEZE, ETC. D OF MATERIAL CSED nd; 72,100 gal nd; 104,800 gal STATUS (Producing or t-in) Shut In GASOIL RAFIGE OIL GAVITY-API (CORR.) MAR 3 1 19
31. PERFORATION RE 31. PERFORATION RE 3719,3835 ,4174,4180 ,4302,4318 ,4409,4439 ,4566,4582 33.* DATE FIRST PRODUCT DATE OF TEST 3/9/78 FLOW. TUBING PRESS. SI 461 34. DISPOSITION OF G	2163 ' CORD (Interval, 6,3845,46 9,4187 ' 14 1,4324,43 1,4444,44 1,4675 ' 19 CASING PRESS SI 6 BAS (Sold, used f	BOTTOM (MI 4723'	7) 365,4096,4284,,4349,,4501 ter Fize Pize Pize Pize Pize Pize Pize Pize P	2,3660 5,4152, 4290, 4355, 4521, PROD Frac Gar ROD'N. FOR EST PERIOD	32. DEPTH INT. 3652- 4284- DUCTION Imping—size uge - J OIL—BBL.	ACID, TERVAL (2-4187-4675	SIZE 2 3/8! SHOT, FR. MD) 1 (of pump) MCF/D AS—MCF.	DEPTH SET (M 4674! ACTURE, CEMEN' AMOUNT AND KIN 10,000#5al 53,000#5al WELL shu WATER—BBL	packer set (MD) T SQUEEZE, ETC. D OF MATERIAL USED nd; 72,100 ga1 nd; 104,800 ga1 status (Producing or f-in) Shut In GASOIL SARIO. MAR 3 1 19 SSED B OIL CON. CO

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, th and/or State office. See instructions is instructions or it is alway to expart the concessary for separate concessary from the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electration and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations.

should be listed on this form, see item 35.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any att.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequate a set, "Macks Comon": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.) 1fem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Con or Federal office for specific instructions.

GEOLOGIC MARKERS	101	MEAS. DEPTH		3575	4276	
38. CEOLO		NAME		M.V.	P.L.	
37. SHIMMARY OF POROUS ZONES: SHOW ALL IMPURTANT ZONES OF POROSITY AND CONTENTN THERROF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEFTH INTERVAL TESTED, CHRHION URED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURER, AND RECOVERIES	DESCRIPTION, CONTENTS, ETC.		-			
COSITY AND CONTENT	BOTTOM					
OUS ZONES: TEANT ZONES OF POI TESTED, CUSHION 1	TOF					
37. SUMMARY OF POR SHOW ALL IMPOR DEFTH INTERVAL	FORMATION				-	

Operator El Paso Natural Gas Company		El Paso #1-A				
NW 20-29-09		County San Juan	State New Mexico			
Formation Mesa Verde		Pool Blanco				
Casing: Diameter 4 1/2	Set At: Feet 4723*	Tubing: Diameter 2 3/8	Set At: Feet 4674 *			
Pay Zone: From	То	Total Depth:	Shut In			
3652	4675'	4723	2-23-78			
Stimulation Method		Flow Through Casing	Flow Through Tubing			
Sandwater Frac						

Choke Size, Inches		Choke Constant	h: C			•
Shut-In Pressure, Casing,	PSIG	+ 12 = PSIA	Days Shut-In	Shut-In Pressure, Tubing	PSIG 449	+ 12 = PSIA 461
Flowing Pressure: P	PSIG	+ 12 = PSIA		Working Pressure: Pw	PSIG	+ 12 = PSIA
Temperature;		n =		Fpv (From Tables)		Gravity
T= •F Ft≃						Fg≔

CHOKE VOLUME = Q = C x P, x F, x Fg x Fpv

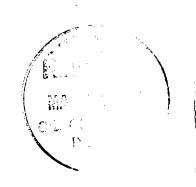
Q =

OPEN FLOW = Aof = Q
$$\begin{pmatrix} & & & \\ & P_c & \\ & P_c & P_w \end{pmatrix}$$

Aof =_____MCF/D

TESTED BY J. Easley

WITNESSED BY_____



Well Test Engineer

Name Of Company	EL PASO NATURAL	AS CO.	Address Bo	ox 99	0, FARM GTON,	NEW MEXICO	;
Lease	EL PASO	Well No.	Unit Letter C	Section 20	Township 29 - N	Ronge 9 - W	
Paol	BLANCO MESA VERDI	3			SAN JUAN		

DEPTH	DEVIATION
245	3/40
948'	3/4 ⁰
1500'	3/4 ⁰
23251	1 1/4°
28691	3/40
3450'	10
4150'	10
4723!	1 1/40



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

Subscribed and sworn to before me this 28th day of March , 19

Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1989

OIL CONSERVATION COMMISSION



DIRECTOR
JOE D. RAMEY

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE

87501

LAND COMMISSIONER
PHIL R. LUCERO

STATE GEOLOGIST EMERY C. ARNOLD

February 24, 1978



El Paso Natural Gas Company P. O. Box 990 Farmington, New Mexico 87401

Administrative Order NSL-927

Gentlemen:

Reference is made to your application for approval of a non-standard location for your El Paso Well No. 1A to be located 500 feet from the North line and 1840 feet from the West line of Section 20, Township 29 North, Range 9 West, NMPM, Blanco Mesaverde Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Commission Rules and Regulations, the above-described unorthodox location is hereby approved.

Very truly yours

JOE D. KAMEY

Secretary-Director

JDR/RLS/jr

cc: U.S. Geological Survey - Farmington

Oil & Gas Engineering Committee - Hobbs

OCC - Aztec



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40. Of Cherry 6 84 C	16			
Çistinibulik)11			
SANTAFE	T			
rii.E	$\Box 7$	12	_	
U.S.G.S.	[
LAND OFFICE				
IRANSPORTER	OIL	T		
	GAS	7		
OPERATOR	2			

an, of their sectives	. 1		
SANTAFE		CONSERVATION COMMISSION	Porm C+104
rn.e /	REQUEST	FOR ALLOWABLE	Supercedes Old C-104 and C-1 Elloctive 4-1-63
U.S.G.S.	AUTHORIZATION TO TR	AND AND HATURA	
LAND OFFICE		AND ON ON AND IMITION	L G//3
IRANSPORTER OIL			•
GAS /	_	•	
PROPATION OFFICE	-		
Operator .			
EL PASO NATURA	L GAS CO.	· 	
	NGTON, NEW MEXICO		•
Reason(s) for filing (Check proper be	·	Other (Please explain)	
New Well (X) Recompletion	Change in Transporter of: OII Dry G	- C	
Change in Ownership	Casinghead Gas Conde	77	,
If change of ownership give name			
and address of previous owner			
DESCRIPTION OF WELL AND	LEASE.	ormation Kind of Le	050
EL PASO	1A BLANCO MES		erdi or Fee NM 0560422
Location			
Unit Letter C : 50	00 Feet From The North Lis	no and 1840 Feet Fto	m The West
Line of Section 20 To	ownship 29-N Range	9-W , NMPM, San J	Juan County
DECICNATION OF TRANSPOS	TER OF OU AND NATURAL CO		
Name of Authorized Transporter of Co	STER OF OIL AND NATURAL GA		proved copy of this form is to be sens;
EL PASO NATURAI	GAS CO.	BOX 990, FARMINGT	ON, NEW MENICO
Name of Authorized Transporter of C		Address (Give address to which app	proved copy of this form is to be sent)
EL PASO NATURAI	GAS CO. Unit Sec. Twp. Rge.	BOX 990 FARMINGT	ON, NEW MEXICO
If well produces oil or liquids, give location of tanks.	C 20 29N 9W		1
	ith that from any other lease or pool,	give commingling order number:	
COMPLETION DATA	Cil Well Gas Well	New Well Workover Deepen	Plug Back Same Resty, Diff. Resty,
Designate Type of Completi	on = (X)	x .	
Date Spudsed	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
1/5/78 Elevations (DF, RKB, RT, GR, etc.,	3/9/78 Name of Producing Formation	47231 Top 0:1/Gas Pay	. 4706 '
5559' GR.	Mesa Verde	3652'	4674!_
Perforations 3 6 5 2 , 3 6 6 0 , 3 7 1	3,3719,3835,3845,402	9,4035,4096,4152,41	6 & Depth Casing Shoe
4,4180,4187,4284,42	.90,4296,4302,4318,43	<u>24,4330,4342,4349,4</u>	3\$5, 4723'
11,4409,4459,4444,44 HOLE SIZE	61,4490,4501,4521,45 CASING & TUBING SIZE	48,4566,4582,4 675' DEPTH SET	SACKS CEMENT
13 3/4"	9 5/8"	242'	525_cf
8 3/4"	7''	2331 '	322 cf
6 1/4"	1 4 1/2" liner 1 2 3/8"	2163-4723'	443 cf
TEST DATA AND REQUEST F		1 4674	il and must be equal to or exceed top allow-
OIL WELL	able for this de	pth or be for full 24 hours/	
Date Fitst New Ott Run To Tanks	Date of Test	Producing Method (Flow, pump, gas	lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Stre
Actual Fred. During Test	O1: - Bbie.	Water - Bbla.	Gas-MCF .
	<u></u>	L	
GAS WELL Actual Prod. Teet-MCF/D	Transport Transport	Bbls, Condensate/MMCF	Gravity of Condensate
Actual Prod. 1041-MCF/D	Length of Test	Bala, Condensate/MMC/	Old The College of th
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Cosing Pressure (Shut-in)	Chok Size
DEDITION OF COUNTY	461	658	ATION COMMISSION
CERTIFICATE OF COMPLIAN	LE.	OIE CONSERV	A.1014 Commission
hereby certify that the rules and	regulations of the Oil Conservation	APPROVED	by A. R. Kendrick
commission have been complied vibove in true and complete to the	with and that the information given best of my knowledge and belief.	ByOriginal Signed	by A. H. Hende
•		TITLESUPERVIS	OR DIST. #3
0 1.	•		compliance with RULE 1104.
S. D Burns		tent to a compact for alle	mable for a nawly drilled or despense
(Signe		well, this form must be accomplicate taken on the well in acc	senied by a tabulation of the deviation
Drilling Cler		All sections of this form m	oust be filled out completely for allow-
(Tu	(*)	able on new and recompleted a	velle. 11. 111. and VI for changes of owner,
3/28/78 (Du	(e)	well name or number, or transpo	iter, or other such change of condition.
·		Separate Forms C-104 mu	at he filed for each pool in multiply

STATE OF NEW MEXICO ENERGY MG MINERALS DEPARTMENT

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V-B-G-ds	
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erenates	
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OIL CONSERVATION DIVISION P. G. 80X 2088 SANTA FE, NEW MEXICO 87501

Perm C-104 Remass 19-01-78 Permet 69-01-83 Page 1

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

<u> </u>				
El Paso Natural Gas Com	pany	•		
P. O. Box 4289, Farming	ton. NM 87499	·		
Housen(s) for filling (Check proper bon)		Cithes (Pleas	e espécial	
New Toll	Change to Transporter of:		,	_
Resemptorion	☐ ou ☐ on	7 Gen		
Change in Consorting	Constant Con X Co	ndenome		
If change of ownership give name and address of previous event		,		
II. DESCRIPTION OF WELL AND L	EASE			
Phone Mane	Woll No. Post Name, Including Po		Kind of Louis	1422 sees No.
El Paso	1A Blanco Mesa Ve	erae	Time (Federal) or Fee NM US60	7422
C 500	Foot From The North Line	1840	West	•
Unit Letter C : 500				
Line of Section 20 Townshi	10 29N Renge S	W , MMPA	San Juan	County
III. DESIGNATION OF TRANSPOR		GAS		
Name of Authorized Transporter of QU	er Condensette 🐼	-	to which approved copy of this form to	
Meridian Oil	Inc.	F. O. Box 15	99, Aztec, New Mexico 8	7 <u>410</u>
		Address (Give address	10 which opproved copy of this form to 89. Farmington, NM 8749	ir to sens;
El Paso Natural Gas C			<u> </u>	
If well presures out or liquids, give legisten of tertas.		Is den estretty severes	ed? When	;
If this production is commanded with th	int from any other lease or pool,	give commingling orde	r number	
•				
NOTE: Complete Parts IV and V or	s reverse side if necessary.	•		A
VI. CERTIFICATE OF COMPLIANCE		OIL C	DNSERVATION DIVISION	
	1	1	JUN 1	1 1986
I hereby certify that the relat and regulations of	of the Oil Conservation Division have	APPROVED	<u> </u>	., 19
been complied with and that the information gray knowledge and belief.	AGE OF GLOSS STORT COMPETED AND COST OF DESIGN OF		1701	
		S JURA	FROM DISTORTED	· · · · · · · · · · · · · · · · · · ·
		TITLE	The family	
) , ,	This form is to	be filed in compliance with gui	E 1164.
deggu	rak	If this is a req	west for allowable for a newly dril	Lied or despende
Signature		well, this form mus	t be accompanied by a tabulation	of the deviation
	B Edet K	All sections of	this form must be filled out come	ille Jatola fas allean
Tuy		able on new and re		
5-14		Fill out only	Sections L. II. III. and VI for the	inges of sunor,
(Date)	JUN 1 1 1986		r, or transported or other such than • C-104 must be filed for each	
	11366	completed wells.		Seet to watsibly
O	"L COM Park			•
	PIL CON DIV.			

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

	1440		
DISTRIBUT	0#		
BANTA FE			
PILE		Т	
U.S.O.A.			
LANG OFFICE			
TRANSPORTER	OIL		
	946	•	
OPERATOR			
PRORATION OF	166		

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-104 Revised 10-01-78 Format 06-01-83 Page 1

TRANSPORTER GIL GAS OPERATOR PROMATION OFFICE	REQUEST FOR ALLOWABLE AND							
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS								
Meridian Oil Inc.								
Address	\n							
P. O. Box 4289, Farmingt	on, NM 87499		103					
Reason(s) for filing (Check proper box)	Change in Transporter of:		Other (Please	• •	0			
Recompletion	O11	Dry Ges	for E1	n Oil Inc. is (Paso Production	Uperator n Company			
There incumental Operatorsh	in Casingheed Gas	Condensete			ii company			
If change of ownership give name El	Dage Netural Cas Com	namu D	O Rev. 4	200 Faminata	NN 07400			
and address of previous owner	Paso Natural das Com	Jaily, F.	U. BOX 4	209, Farmington	1, NM 87499			
II. DESCRIPTION OF WELL AND I	EASE	<u> </u>						
El Paso	lA Blanco Mesa			Kind of Lease State (Federal) or Fee	NM 0560422			
Location	1 21 Branes nesa	10100			NH 0300422			
Unit Letter C 500	Feet From The North	ine and	1840	Feet From The	West			
20	2011	9W						
Line of Section 20 Townsh	ip ZJIN Range	244	, имрм	, San Jua	II County			
III. DESIGNATION OF TRANSPOR		AL GAS						
Name of Authorized Transporter of Cit	as Condensate	Aadress	(Give address t	o which approved copy o	of this form is to be sent)			
Meridian Oil Inc. Name of Authorized Transporter of Caeings	need Gas ar Dry Gas X	P. O.	Box 4289	Farmington N	VM 87499			
El Paso Natural Gas Compar		I.		39, Farmington,				
If well produces oil or liquids. Que location of tanze.	it Sec. Twp. Rge.	is gas ac	traffA counsets	a su una una ja siihen ja ja siihaa I	संस्थान ^(१)			
If this production is commingled with the	ast from any other lease or pool	l, give com	mingling order	number:				
NOTE: Complete Parts IV and V or	n reverse side if necessary.							
VI. CERTIFICATE OF COMPLIANC	-	11	OIL C	ONSERVATION DI	VISION			
				- 1 - 1/1 U / 1 - 1 - 1 - 1 - 1	Maria			
I hereby certify that the rules and regulations of been complied with and that the information gi			OVED	3, (2), (2), (2)	, 19			
my knowledge and belief.		₩ 54—	<u> </u>	PERVISION DIST	n or # C			
		TITLE	St.	DEWATOTON DID				
1		ינו	nis form is to	be filed in compliance	:e with RULE 1104.			
Signature Drillin	•	well, t	his form must		a newly drilled or deepened tabulation of the deviation the RULE 111.			
(Title)				this form must be fille completed wells.	ed out completely for allow-			
	00	Fi	il out only 3	ections I. U. III, and	VI for changes of owner,			
The same	SELVE M	Se	_	•	ir such change of condition. I for each pool in multiply			
WO.	V-1.				•			

Form approved. Budget Bureau No. 1004-0135 Form 3160-5 SUBMIT IN TRIPLICATES UNITED STATES DEPARTMENT OF THE INTERIOR THE STATE Expires August 31, 1985 (November 1983) 5. LEASE DESIGNATION AND SEELAL NO. (Formerly 9-331) BUREAU OF LAND MANAGEMENT NM-0560422 6. IF INDIAN, ALLOTTER OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

"APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT HAMR OIL WELL GAS \square NAME OF OPERATOR S. FARM OR LEASE NAME El Paso Meridian Oil Inc. WELL HO Post Office Box 4289, Farmington, NA 87499 LOCATION OF WELL (Report location clearly and in accordance with any State requirements.

See also space 17 below.)

At surface

500 N 1840 LU 10. FIELD AND POOL, OR WILDCAT 500'N, 1840'W Blanco Mesa Verde 11. SEC., T., S., M., OR BLE. AND SUBVET OR AREA Sec.20, T-29-N, R-9 -W N.M.P.M. 15. ELEVATIONS (Show whether DF. ST. GR. etc.) 14 PERMIT YO 12. COUPTY OR PARISE | 13. STATE 5559 'GL San Juan NM 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SCHEDOURNY REPORT OF : REPAIRING WELL TEST WATER SHUT-OFF PELL OR ALTER CASING WATER SECTOFF FRACTURE TREAT MULTIPLE COMPLETE PRACTURE TREATMENT ALTERING CASING SHOOT OR ACIDIZE SHOOTING OR ACIDIZING ABANDON* ABANDON MENT* REPAIR WELL CHANGE PLANS NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) -Others 17. SESCRIBE PROPUSED OR COMPLETED OPERATIONS (Cleavity state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and some pertinent to this work.) 08-08-88 Install Well Master plunger lift on well. 18, I hereby certify that the foregoing is true and correct TITLE Regulatory Affairs () E PEO TO CH (This space for Federal or State office use) 324 13 18 <u>04</u> DATE APPROVED BY TITLE CONDITIONS OF APPROVAL IF ANY: farmination resource aken Jam BOTAN SHOTO RV

*See Instructions on Reverse Side

submitted in lieu of	Form 3160- UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT		
	Sundry Notices and Reports of	n Wells	
		lovino in hog.	Lease Number NM-0560422
. Type of Well GAS	OCT 2 3 1935	UTO Promined O. J. N.A.	If Indian, All. or Tribe Name
	OIL CON. DIV.	7.	Unit Agreement Name
. Name of Operator	DIDI: 3		
RESOURCE	ON SOL & GAS COMPANY		
. Address & Fhone No	of Coonstan	8.	Well Name & Number El Paso #1A
	ington, NM 87499 (505) 326-	9700 9.	"
Location of Well,	Footage, Sec., T, R, M	10.	Field and Pool
	Sec.20, T-29-N, R-9-W, NMPM		Blanco Mesaverde
	C	11.	County and State San Juan Co, NM
	BOX TO INDICATE NATURE OF NO		DATA
Type of Submission		of Action	
Notice of	Intent Abandonment Recompletion	Change of Pla	ins ion
X_ Subsequent		Non-Routine F	Fracturing
	Casing Repair	r Water Shut of	f
Final Aban	donment Altering Cass X Other - Brade	ing Conversion to enhead repair	o Injection
. Describe Propos	ed or Completed Operations		····
w/4	ND WH. NU BOP. TIH, tag up @ 1/2" RBP, set @ 3517'. Load h w/tbg & retrieving tool. Dum ay.	nole w/105 bbl wtr. P	T csg to 1000 psi, OK
	an CBL @ 0-1000', TOC @ 820', csg & out bradenhead. Pump 2		

0.25 pps Celloflakes. Circ 3 bbl cmt to surface. Close bradenhead valve. Pump 17 bbl cmt. Displace w/11.5 bbl wtr. Sqz to 800 psi. WOC. SDON.

10-8-96 TIH, tag TOC @ 310'. Circ hole clean. Drill cmt @ 310-515'. PT csg to 900 psi, OK. TOOH. TIH w/7" csg scraper to 800'. TOOH. TIH w/4 1/2" retrieving tool, set @ 2020'. SDON.

10-9-96 Blow well & CO. TOOH w/RBP. TIH w/150 jts 2 3/8" 4.7# J-55 tbg, landed @ 4670' ND BOP. NU WH. RD. Rig released.

14. I hereby certify that the	foregoing is true	and correct.	· · · · · · · · · · · · · · · · · · ·
signed Jeggy Draahuel	Title Regulato	ry Administrator	Date 10/15/96
(This space for Federal or State APPROVED BY	e Office use) Title	Date	
CONDITION OF APPROVAL, if any:			ACCEPTED FOR RECORD

OCT 1 8 1996

District 1 PO Box 1980, Hobbs, NM 88241-1980

tate of New Mexico

Form C-104 ised February 21, 1994 Instructions on back Submit to Appropriate District Office.

District II P.O Drawer DD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

District III 1000 Rio Brazos Ro	L, Aztec, NM 87	7410				PO Bo	ox 2088						5 Copies
District IV PO Box 2088, Santa	Fe NM 87504	L2088	Santa Fe, NM 87504-2088							DED REPORT			
I.			EST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT										
Operator Name and Address OGRID Number													
Burlington Resources Oil & Gas										1Bas		538 Filing Cod	
PO Box 4289 Farmington, NM 87499												_	
					,				ļ	co		/11/96	
		Number -22778			BLA	NCO MESAV	I Name ERDE (PROF AS	ATED				Code 319	
		rty Code 1966				Prope	rty Name PASO			5		Number 1 A	
II. 10 Surfa	ce I oco	tion			<u> </u>				<u></u>				<u>`</u>
UI or lot no.	Section		nship	Rar	ige	Lot.ldn	Feet from the	North/South	Line F	eet from the	East	West Line	County
C	20		29N	<u> </u>	009W		500	N		1840	l	W	SAN JUAN
11 Bottom Ul or lot no.	Hole Lo		nship	Ran	ge	Lot, Idn	Feet from the	North/South	Line F	eet from the	East/	West Line	County
			· · · · · · · · · · · · · · · · · · ·		.5*								
12 Lse Code		13 Producing	Method Co	ode	14 Gas Co	onnection Date	" C-129 Permit	Number	1º C-12	Effective Da	te	17 C-129 I	Expiration Date
III. Oil and	d Gas T	ransport	ers		L		<u> </u>		L				
"Tran	sporter		" Transp			20 [POD		21 O/G		2		TR Location
	RID		SO FIELD S	Address		 			G		C-		scription 9N-R009W
			BOX 1492 SO, TX 799	79								-0 102	311 1100311
0.0	18	Giant	Industrie	5		150	0410		Ō		C-	20-402	9N-R009W
90	10	5764	US Hwy 64			159	0410				[-	20-102	SN-KUUSW
													
<u> </u>													
IV. Produ	ced Wat		PO D				,		- I II OTTO				
		21	POD					≱ POI) ULSTR	Location and	Descr	iption	
V. Well C	ompletio	on Data											
				TD		2º PBTI)		29 Perfe				
						<u> </u>							\
10	Hole Size		-	" Ca	sing & Tu	bing Size	32	Depth Set			. 11	Sacks Cen	nent
		-											
												*-,	
								- · - · · · · · · · · · · · · · · · · ·					·
VI. Well T	est Data	a.	<u> </u>				·						
14 Date New Oil		" Gas Deli	very Date		" Test D	ate	" Test Length		³°Tbg. I	ressure		" Csg. Pre	ssure
49 Choke Size		4 Oil			42 Water		43 Gas		4 AOF			"Test Me	thod
" I hereby certif with and that the knowledge and	information					e been complied best of my	(OIL CO	NSER	VATION	I DI	VISION	1
· ·	How &	Zago					Approved by:	Frank	T. Cha	avez			
Printed Name:			-			-	Title:	Distric	ct Sup	ervisor			
Dolores Dia							Approved Date:		1, 199				
Production Date:	Associa	te			Phone		Approved Date:		1, 177				
7/11/96 " If this is a cha	nge of onera	tor fill in the	OGRID :	umber		326-9700 of the previous op	erator				**		· · · · · · · · · · · · · · · · · · ·
14538 Meridian C	oil Production					р. т. томо ор	Printed Name		Title			Date	
Signature:		<u>م</u> . "	•				Dolores Diaz			on Associate		- 7/11/90	5
		U											

	WILSO	N	* *** 7
SEI	VICE CO	4PAN	Y
TEMP	ERATURE	SUR	VEY
WELL 1-A COUNTY 1 SEC 1 APPROX. TOP (Sucrey Begins at	L EAS JULE STAT TWP CEMENT 100' FI End	E	GE.
Approx. Fill-Up Log Measured From	MAR. T	m)	I
Casing Size 7" from from	Casing Depth to a A A 1	from	#
	1-8-75 1-9-78 165 Bets 65/35 Class	Time	10:00 th
	165 Beks 65/35 Class : • 180 Beks Class 3 w/2: •	.co.cl,	21 + 21 Ca.CI
Lerecded by De	REMARKS OF OTHER		
Float valve		(orl	AF 1
TEMPERA	TURE IN DEGREE		
ullii II.	TURE IN DEGREE		
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T-771 P.002/002 F-150

Form C-104B Permit 10710

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr.

Santa Fe, NM 87505 Change of Operator Name

OGRID:	14538		
Effective Date:	12/31/2000		
Previous Op Name: Address:	erator Name and Information BURLINGTON RESOURCES OIL & GAS CO PO Box 4289	New Operat Name: Address:	or Name and Information BURLINGTON RESOURCES OIL & GAS COMPANY LP
Address:	1000	Address:	
City, State, Zip:	Farmington, NM 87499	City, State, Zip:	
	fy that the rules of the Oil Conservation iven on this form and the certified list o		
Signature:	Afon Aferlander		
Printed Name	: Alan Alexander		
Title:			
Date:	SENIOR LAPO ADVISOR	_	

NMOCD Approval					
Electronic Signature:	David Brooks				
District:	District IV				
Date:	May 04, 2005				