

APPLICATION FOR MULTIPLE COMPLETION

El Paso Natural Gas Company	San Juan	7-1-85
Operator	County	Date
P. O. Box 4289, Farmington, NM	Howell E	1A
Address	Lease	Well No.
D	29	30N
Location	Unit	Section
of Well		Township
		8W
		Range

All Applicants for multiple completion must complete Items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Blanco Pictured Cliffs		Blanco Mesa Verde
b. Top and Bottom of Pay Section (Perforations)	2569-2636		4167-4731 4792-5138
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production ☐ Actual ☐ Estimated Oil Bbls. Gas MCF Water Bbls.			

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2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed Rogger L. Oak Title Drilling Clerk Date 7-1-85

(This space for State Use)

Approved By Supervisor Title SUPERVISOR DISTRICT #9 Date JUL 03 1985

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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

Operator EL PASO NATURAL GAS COMPANY		Lease HONELL E (NM-012708)		Well No. 1A
Tract Letter D	Section 29	Township 30-N	Range 8-W	County SAN JUAN
Actual Footage Location of Well: 990 feet from the NORTH line and 990 feet from the WEST line.				
Ground Level Elev. 5655	Producing Formation Pic. Cliffs MESA VERDE	Pool Blanco Pictured Cliffs BLANCO MESA VERDE	Dedicated Acreage: 134.88 & 231.24 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 ☐ No If answer is "yes," type of consolidation _____

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.

Note: Plat
reissued to
show addition
of PC Formation
4-11-85

NM-012708

SECTION 29

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BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Peggy Doak
Name
Drilling Clerk
Position
El Paso Natural Gas Co
Company
April 12, 1985
Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
JANUARY 7, 1975

Registered Professional Engineer
and/or Land Surveyor

Dedication No. **1700**

SCHEMATIC DIAGRAM OF INTENDED DUAL COMPLETION

El Paso Natural Gas Company
Howell E 1A
NW/Sec. 29, T-30-N, R-8-W

Dual String
Xmas Tree

Zero reference point 10.0' above top flange
of tubing hanger.

9 5/8", 40.0# K-55 casing set at approximately 200'
with sufficient cement to circulate to surface.

Pictured Cliffs formation will be selectively
perforated and sandwater fractured 2569-2589,
2593-2608, 2619-2636 w/12 SPZ. Frac'd w/48,000# 10/20
sand, and 53,000 gal water. Flushed w/4050 gal water.

1 1/4", 2.3# IJ Pictured Cliffs tubing set at
Production packer

4 1/2" liner hanger

7", 23# K-55 casing set at approximately 2961' with
sufficient cement to fill to 3200' (top Ojo Alamo)

Cliff House formation will be selectively perforated
and sandwater fractured. Perf'd w/4167, 4206, 4283, 4298,
4310, 4323, 4358, 4463, 4488, 4504, 4590, 4638, 4680, 4698,
4709, 4731 w/16 holes. Frac'd w/68,000# 20/40 sand and 70,000
gallons water. No ball drops. Flushed w/5922 gal water.

Point Lookout formation will be selectively
perforated and sandwater fractured at 4792, 4807,
4817, 4829, 4840, 4856, 4864, 4886, 4902, 4918, 4933, 4998,
5023, 5045, 5069, 5114, 5138 w/17 holes. Frac'd w/56,000#
20/40 sand and 58,000 gal water. Flushed w/6216 gal water.

10.236
4 1/2", 10.5# K-55 liner will be set from approxi-
mately 2815' to 5175' with sufficient cement to
circulate top of liner at 2815'

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

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

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
El Paso Natural Gas Company

Address
P. O. Box 4289, Farmington, NM 87499

Reason(s) for filing (Check proper box)

☐ New Well	Change in Transporter of:	☐ Oil	☐ Dry Gas
☒ Recompletion	☐ Casinghead Gas	☐ Condensate	
☐ Change in Ownership			

Other (Please explain) **RECEIVED**
JUL 03 1985

If change of ownership give name and address of previous owner

OIL CON. DIV.
DIST. 3

II. DESCRIPTION OF WELL AND LEASE

Lease Name Howell E	Well No. 1A	Pool Name, Including Formation Blanco Pictured Cliffs	Kind of Lease State, Federal or Fee Federal	Lease No. NM 012708
Location Unit Letter <u>D</u> : <u>990</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>West</u>				
Line of Section <u>29</u> Township <u>30N</u> Range <u>8W</u> , NMPM, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

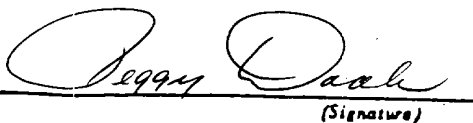
Name of Authorized Transporter of Oil ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 84799
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
Unit <u>D</u> Sec. <u>29</u> Twp. <u>30N</u> Rge. <u>8W</u>	NO

If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given is true and complete to the best of my knowledge and belief.


(Signature)

Drilling Clerk

(Title)

7-1-85

(Date)

OIL CONSERVATION DIVISION
7-11-85
APPROVED JUL 11 1985, 19
BY Original Signed by FRANK T. CHAVEZ
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
			X						X
Date Spudded 6-4-75	Date Compl. Ready to Prod. 6-17-85		Total Depth 5175'		P.B.T.D. 5158'				
Elevations (DF, RKB, RT, CR, etc.) 5865' GL	Name of Producing Formation Blanco Pictured Cliffs		Top Oil/Gas Pay 2569'		Tubing Depth 2603'				
Perforations 2569-2589, 2593-2608, 2619-2636 w/12 SPZ						Depth Casing Shoe 5175'			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
13 3/4"	9 5/8"		224'		224 cu ft				
8 3/4"	7"		2961'		318 cu ft				
	4 1/2" Liner		2815-5175'		451 cu ft				
	1 1/4"		2603'						

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 583	Length of Test 3 Hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (flow, back pr.) Back Pressure	Tubing Pressure (Shut-In) 952	Casing Pressure (Shut-In) 952	Choke Size 3/4"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM 012708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Howell E

9. WELL NO.

1A

10. FIELD AND POOL, OR WILDCAT
Blanco Pictured Cliffs/
Blanco Mesa Verde

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 29, T-30-N, R-8-W
NMMPM

12. COUNTY OR PARISH

San Juan

13. STATE

NM

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.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

990'N 990'W

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5865' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly 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 zones pertinent to this work.) *

6-8-85 MOL & RU. TOOH w/2 3/8" tubing. Set TDBP at 2910'. Pressure tested BP to 3500 psi/ok. Perf'd w/2569-2589, 2593-2608, 2619-2636 w/12 SPZ. Frac'd w/48,000# 10/20 sand and 53,000 gallons water. Flushed w/4050 gallons water.

6-9-85 CO to PBTD. Set packer at 2766'. Ran 162 jts, 2 3/8", 4.7# J-55 tubing set at 5120'. SN set at 5084'. Ran 79 jts, 1 1/4" 2.4#, CW-55 10rd tubing set at 2603'. SN at 2569'. Rig released.

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OIL CON. DIV./
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Drilling Clerk

DATE

6-26-85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

JUN 28 1985

FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

BY Shm

NMOCC

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be 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, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.
PRINCIPAL PURPOSE: The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations. (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2). (3) Analyze future applications to drill or modify operations in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION: Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other Recompletion

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 4289, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 990°N 990°W

At top prod. interval reported below

At total depth

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BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM 012708

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Howell E

9. WELL NO.

1A

10. FIELD AND POOL, OR WILDCAT

Blanco MV/Blanco PC

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 29, T-30-N, R-8-W
NMMP

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

6-4-75

16. DATE T.D. REACHED

6-12-75

17. DATE COMPL. (Ready to prod.)

6-17-85

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5865' GL

19. ELEV. CASINGHEAD

5865

20. TOTAL DEPTH, MD & TVD

5175'

21. PLUG, BACK T.D., MD & TVD

5158'

22. IF MULTIPLE COMPL. HOW MANY*

Two

23. INTERVALS DRILLED BY

ROTARY TOOLS

Rotary

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

2569-2636' (Blanco PC)

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Ind-GR; FDC-GR; GR-Neutron; GR-CBL; Temp Survey

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	224'	13 3/4"	224 cu ft	
7"	23#	2961'	8 3/4"	318 cu ft	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2815'	5175'	451 cu ft		2 3/8"	5120'	2764'
					1 1/4"	2603'	

31. PERFORATION RECORD (Interval, size and number)

2569-2589, 2593-2608, 2619-2636 w/12 SPZ

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
2569-2636 48,000# 10/20 sand, 53,000 gal wt1

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
6-9-85		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-17-85	3 Hrs.	3/4"	→	0	97	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
SI 952	SI 952	→	0	583	0		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Shut in to be sold

TEST WITNESSED BY

Bob Easterling

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Drilling Clerk

DATE

7-1-85

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	1400	
Pictured Cliffs	2585	
Lewis	2730	
Mesa Verde	4285 4/104	
Point Lookout	4780 4/109	