

DATE IN 2/8/00	2/28/00	ENGINEER MS	LOGGED NW	TYPE NSL
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

Huerfano 227

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]

[DD-Directional Drilling] [SD-Simultaneous Dedication]

[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]

[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]

[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]

[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]

[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

X NSL NSP DD SD

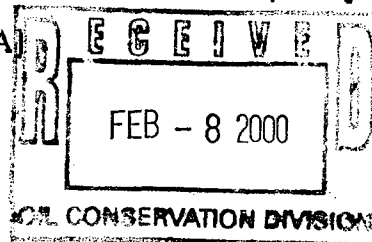
Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

WFX PMX SWD IPI EOR PPR



[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] X Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] Waivers are Attached

[3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Peggy Cole

Print or Type Name

Signature

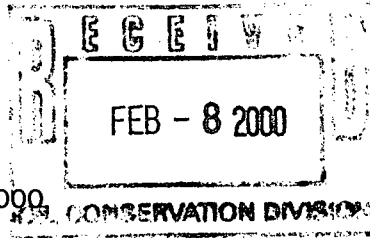
Regulatory/Compliance Administrator

Title

Date

BURLINGTON RESOURCES

SAN JUAN DIVISION



Federal Express – sent February 7, 2000

Mr. Michael Stogner
New Mexico Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: Huerfano Unit #227
1070'FSL, 1840'FEL, Section 32, T-27-N, R-10-W, San Juan County
30-045-20874

Dear Mr. Stogner:

This is a request for administrative approval for a non-standard gas well location in the Angels Peak Gallup pool.

Burlington Resources intends to plug and abandon the Basin Dakota pool in the Huerfano Unit #227 by spotting cement on top of a cement retainer, and recompleting in the Angels Peak Gallup pool. This well is considered non-standard under the Angels Peak Gallup pool rule.

Production from the Angels Peak Gallup is included in a 320 acre gas spacing unit comprising of the south half (S/2) of Section 32.

To comply with the New Mexico Oil Conservation Division rules, we are submitting the following for your approval of this non-standard location:

1. C-102 plat showing location of the well;
2. Copy of Well Completion Log for original completion;
4. Nine Section plat showing offsetting Gallup wells.

Per your conversation with Mr. Tom Kellahin of Kellahin and Kellahin law firm, we understand that no notice is required for wells encroaching on the internal setback. Burlington Resources is the operator of the Huerfano Unit and operates all offsetting spacing units.

Please let me know if you have any questions concerning this application.

Sincerely yours,

Peggy Cole
Regulatory Supervisor

xc: New Mexico Oil Conservation Division – Aztec
Bureau of Land Management – Farmington

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-20874		2 Pool Code 2170/71599		3 Pool Name Angels Peak Gallup/Basin Dakota	
4 Property Code 7139		5 Property Name Huerfano Unit			6 Well Number 227
7 OGRID No. 14538		8 Operator Name Burlington Resources Oil & Gas Company			9 Elevation 6130' GR

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	32	27N	10W		1070'	South	1840'	East	SJ

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres Gal-S/320 DK-E/320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---	--------------------	-----------------------	--------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 Original plat from David O. Vilven 1-5-72				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Cole Printed Name Regulatory Administrator Title Date
				18 SURVEYOR CERTIFICATION 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 belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

NO. OF COPIES RECEIVED	6
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SALE & FE	1
FILE	1
C.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-11
Revised 1-1-65

1. Well Name	2. State Oil & Gas Lease No.
3. State Oil & Gas Lease No.	4. State Oil & Gas Lease No.

R-2659-6

1. TYPE OF WELL	OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	OTHER <input type="checkbox"/>
2. TYPE OF COMPLETION	KEY <input checked="" type="checkbox"/>	WELL <input type="checkbox"/>	SCREEN <input type="checkbox"/>	PLUS <input type="checkbox"/>
3. NAME OF OPERATOR	El Paso Natural Gas Company			

MAR 30 1972
OIL CON. COM.
DIST. 5

4. Unit Agreement Name	5. Name of Leaseholder
6. Well No.	7. Field and No., if known

Basin Dakota

8. Address of Operator	9. Location of Well
10. Unit Letter	11. Located
12. East	13. 32
14. 27N	15. 10W

16. Date Spudded	17. Date T.D. Reached	18. Date Compl. (Ready to Prod.)	19. Elevations (EL, RRB, RT, GR, etc.)	20. Elev. Casinghead
3-7-72	3-18-72	3-27-72	6130'GL	

21. Total Depth	22. Plug Back T.D.	23. H Multiple Complet., How Many	24. Interval Driller By	25. Rotary Tools	26. Cable Tools
6558'	6542'			0-6558'	

27. Was Directional Survey Made	28. Was Well Cored
no	no

29. Producing Interval(s) at this completion - Top, Bottom, Name	30. Type Electric and Other Logs Run
6272-6452' (Dakota)	CDL-IEL and GR - Temp. Survey

31. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	236'	12 1/4"	177 cu. ft.	
4 1/2"	10.5#	6558'	7 7/8"	1153 cu. ft.	

32. LINER RECORD				33. TUBING RECORD			
SIZE	TOP	BOTTOM	BACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	6444'	

34. Perforation Record (Interval, size and number)	35. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
6272-82', 6308-18', 6360-70', 6414-30'	DEPTH INTERVAL
6442-52' with 18 shots per zone.	6272-6452'

AMOUNT AND KIND MATERIAL USED
56,000#sand & 58,400 gal.wat

36. PRODUCTION							
1. First Production	Production Method (Flow line, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
	flowing					shut-in	
Date of Test	Hours Tested	Choke Size	Depth Per Test Period	Oil - BBL	Gas - MCF	Water - BBL	Oil - GR Ratio
3-27-72	3 hrs	3/4"		63.44		12.48	
Flow Testing Press.	Casing Pressure	Calculated Gas Flow Rate	Oil - BBL	Gas - MCF	Water - BBL	GR Gravity - API (Corr.)	
SI 1706	SI 1780			1897 AOF		49°	

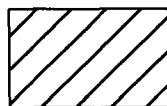
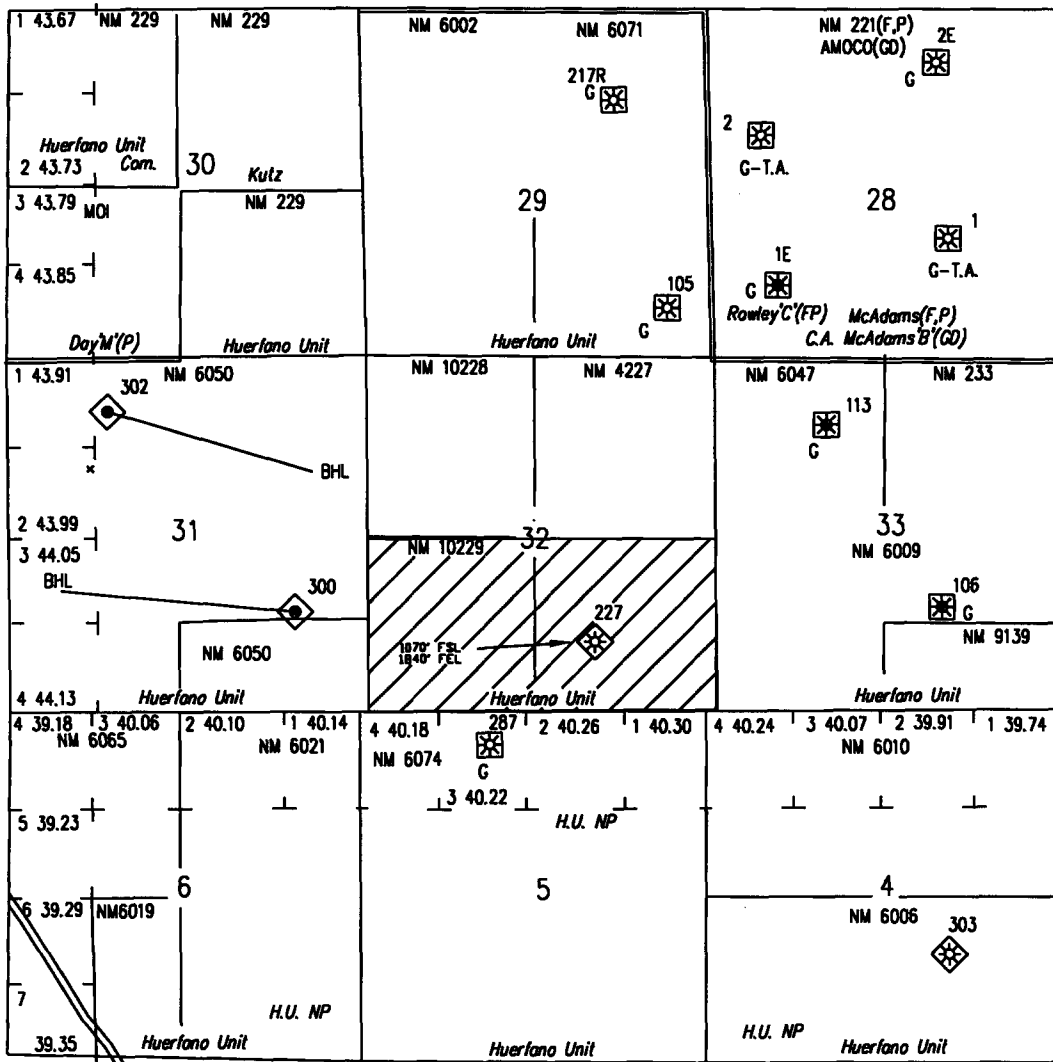
37. Name of Tester	38. Test Witnessed By
	R. Hardy & D. Norton

39. I hereby certify that the information furnished on this form is true and complete to the best of my knowledge and belief.	
Signature	Date
Original Signed F. H. WOOD	March 30, 1972

BURLINGTON RESOURCES OIL AND GAS COMPANY

Huerfano Unit #227
Section 32, T-27-N, R-10-W

Nonstandard Location
Gallup Formation Well



Proposed Well

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION02/10/00 17:09:59
OGOMES -TPEU
PAGE NO: 1

Sec : 32 Twp : 27N Rng : 10W Section Type : NORMAL

D 40.00 CS E02659 0009 UNION OIL CO OF C U 05/10/59 A	C 40.00 CS E02659 0009 UNION OIL CO OF C U 05/10/59 A	B 40.00 CS E02659 0011 EL PASO PRODUCTIO U 05/10/59	A 40.00 CS E02659 0011 EL PASO PRODUCTIC U 05/10/59 A
E 40.00 CS E02659 0009 UNION OIL CO OF C U 05/10/59	F 40.00 CS E02659 0009 UNION OIL CO OF C U 05/10/59	G 40.00 CS E02659 0011 EL PASO PRODUCTIO U 05/10/59	H 40.00 CS E02659 0011 EL PASO PRODUCTIC U 05/10/59

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION02/10/00 17:10:04
OGOMES -TPEU
PAGE NO: 2

Sec : 32 Twp : 27N Rng : 10W Section Type : NORMAL

L 40.00 CS E02659 0012 MERIDIAN OIL PROD U 05/10/59 A	K 40.00 CS E02659 0012 MERIDIAN OIL PROD U 05/10/59 A	J 40.00 CS E02659 0011 EL PASO PRODUCTIO U 05/10/59 A	I 40.00 CS E02659 0011 EL PASO PRODUCTIC U 05/10/59 A
M 40.00 CS E02659 0012 MERIDIAN OIL PROD U 05/10/59 A	N 40.00 CS E02659 0012 MERIDIAN OIL PROD U 05/10/59 A	O 40.00 CS E02659 0011 EL PASO PRODUCTIO U 05/10/59 A	P 40.00 CS E02659 0011 EL PASO PRODUCTIC U 05/10/59 A

PF01 HELP
PF07 BKWDPF02
PF08 FWDPF03 EXIT
PF09 PRINTPF04 GoTo
PF10 SDIVPF05
PF11PF06
PF12

CMD : ONGARD 02/10/00 17:10:22
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPEU

API Well No : 30 45 20874 Eff Date : 01-01-1900 WC Status : S
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7139 HUERFANO UNIT

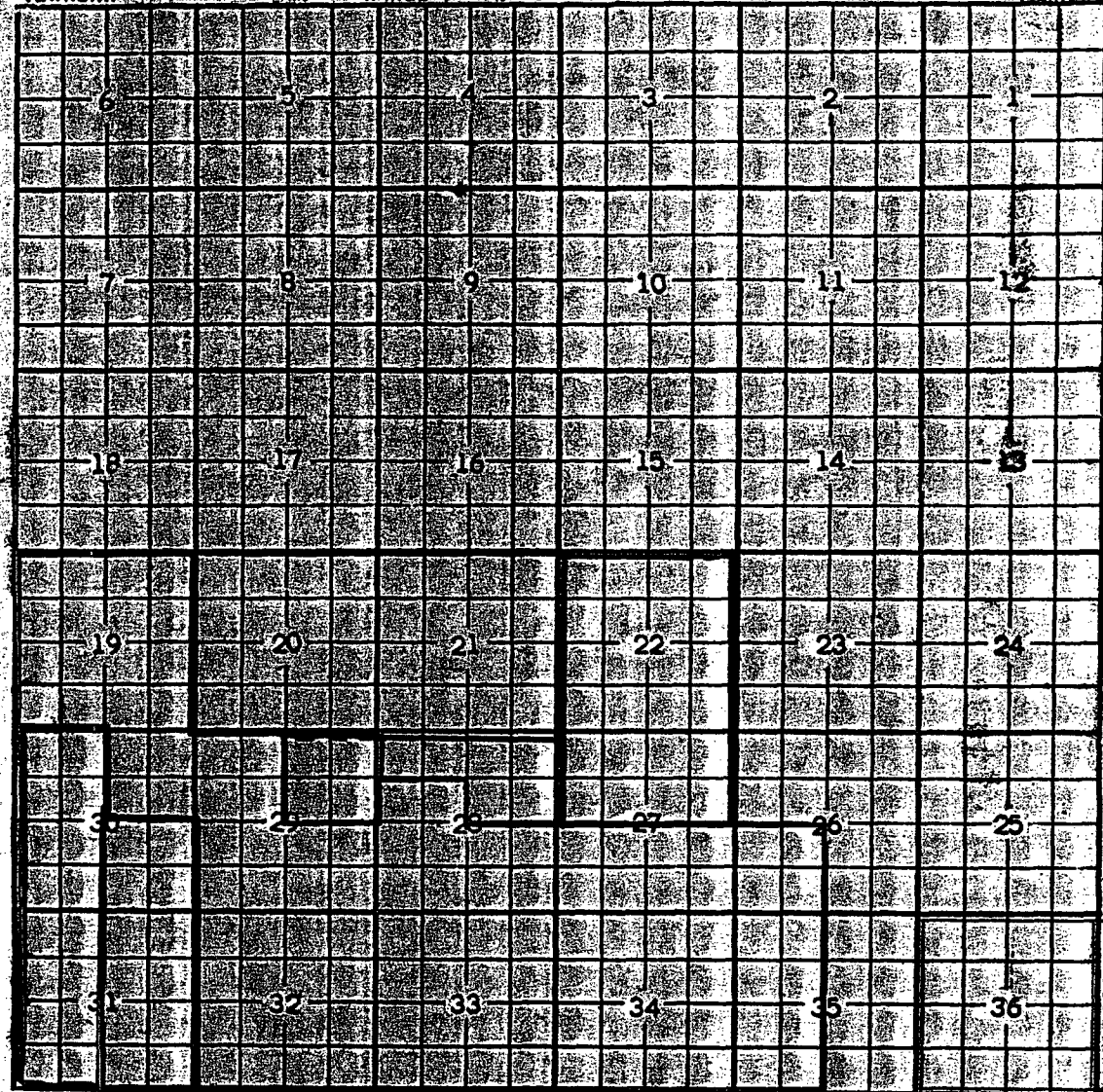
Well No : 227
GL Elevation: 6130

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn	: 0	32	27N	10W	FTG 1070 F S	FTG 1840 F E	P
Lot Identifier:							
Dedicated Acre:							
Lease Type							
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)							

E6317: No more recs. for this api well no.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 PF08 PF09 PF10 NEXT-WC PF11 HISTORY PF12 NXTREC

County San Juan Pool Angels Peak - Gallup Associated
TOWNSHIP 27 North RANGE 10 West NEW MEXICO PRINCIPAL MERIDIAN



Description: $\frac{SW}{4}$ Sec. 26, $\frac{SE}{4}$ Sec. 27, $\frac{SW}{4}$ Sec. 28, $\frac{NE}{4}$ Sec. 33,
All Sec. 34, $\frac{W}{2}$ Sec. 35 (R-1167, 5-1-58)
Reclassified as an Oil Pool (R-1357, 4-1-59)
Ext: $\frac{SW}{4}$ Sec. 28, $\frac{SE}{4}$ Sec. 29, All Sec. 32, $\frac{W}{2}$ Sec. 33 (R-1373, 5-1-59)
 $\frac{SW}{4}$ Sec. 28 (R-1487, 10-1-59) - $\frac{SE}{4}$ Sec. 19, $\frac{NW}{4}$ Sec. 29, $\frac{NE}{4}$ Sec. 30 (5-1-60)
 $\frac{W}{2}$ Sec. 19 (R-1443, 6-1-61) - $\frac{NE}{4}$ Sec. 19 (R-2102, 11-1-61)
Ext: All Sec. 36 (R-5329, 2-1-77)
Ext: All Sec. 22, $\frac{N}{2}$ Sec. 27 (R-2046, 8-6-82)
Ext: $\frac{NE}{4}$ and $\frac{N}{2}$ $\frac{NW}{4}$ Sec. 28 (R-8273, 8-6-86)
Ext: $\frac{SE}{4}$ Sec. 30, $\frac{E}{2}$ Sec. 31 (R-9667, 5-6-92) Ext: $\frac{W}{2}$ Sec. 30, $\frac{W}{2}$ Sec. 31
(R-9801, 12-16-92) Ext: $\frac{NE}{4}$ Sec. 29 (R-10344, 4-24-95)
Ext: All Secs. 20 and 21 (R-10557, 3-11-96)

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

JAN 20 1972

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

EL PASO NATURAL GAS COMPANY		HUERFANO UNIT		OIL CONSERVATION COMM. (E-2659-6)	227
0	32	27-N	10-W	SAN JUAN	
1070	SOUTH		1840	EAST	
6130	DAKOTA		BASIN DAKOTA	320.00	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (including 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 Unitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated (attach reverse of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

CERTIFICATION

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

F.H. Wood
Petroleum Engineer

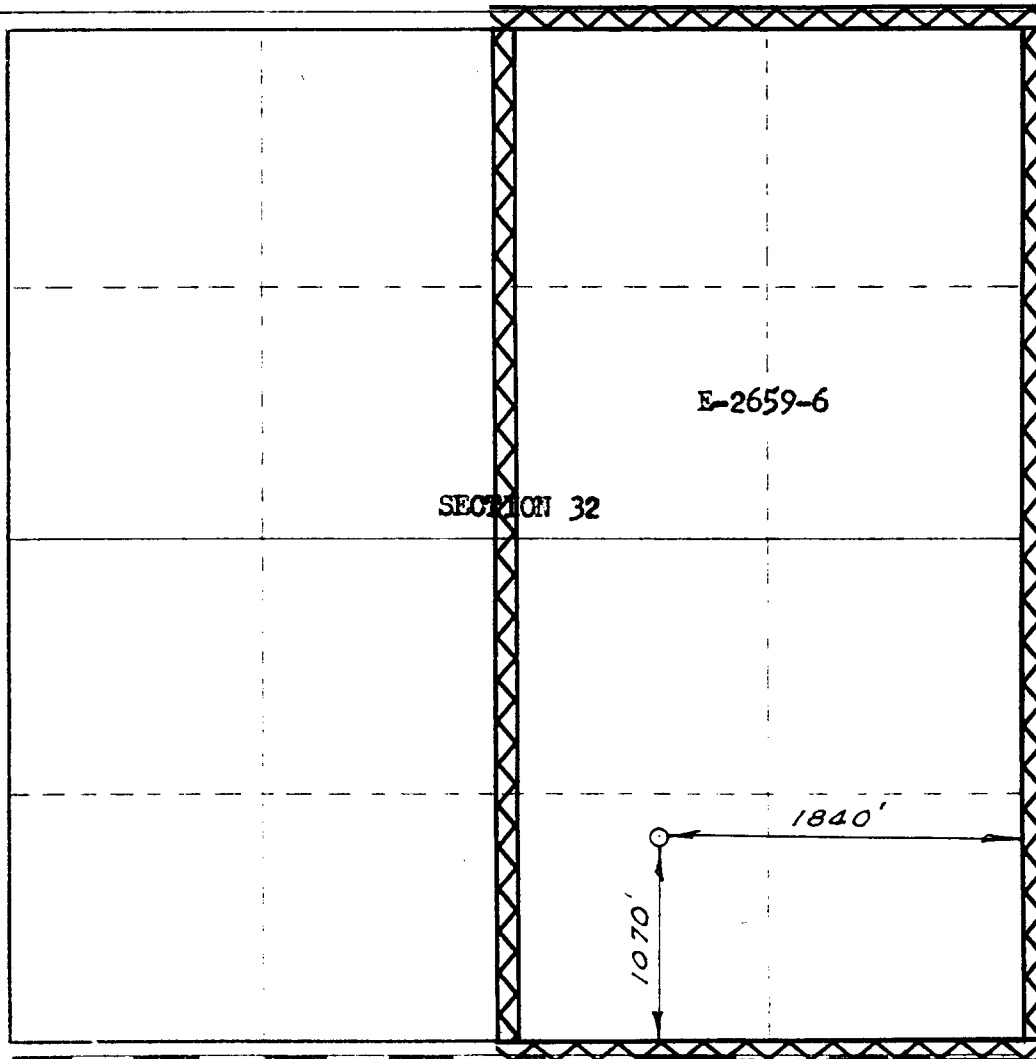
El Paso Natural Gas Company

January 13, 1972

I hereby certify that the well is shown on this plat was plotted from 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.

JANUARY 5, 1972

1760



INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission, not later than 20 days after the completion of any newly-drilled deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs 1760'	T. Penn. "D"
T. Yates	T. Miss	T. xxxxxxx M. V. 3560'	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout 4203'	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup 5292'	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn 6193'	T. Granite
T. Paddock	T. Ellenburger	xxxxxxx Graneros 6246'	T.
T. Blinbry	T. Gr. Wash	xxxxxxx Dakota 6361'	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn. "A"	T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1760	1760					
1760	3560	1800	Pictured Cliffs				
3560	4203	643	Mesa Verde				
4203	5292	1089	Point Lookout				
5292	6193	901	Gallup				
6193	6246	53	Greenhorn				
6246	6361	115	Graneros				
6361	6558	197	Dakota				

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FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	3

NEW MEXICO OIL CONSERVATION COMMISSION

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APR 3 1972

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☒
5. State Oil & Gas Lease No.
E - 2659-6

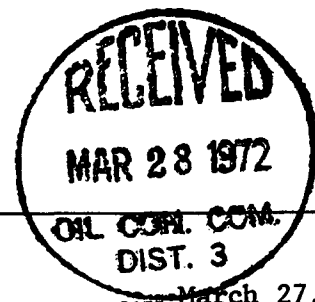
<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)</p>		
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name Huerfano Unit	
2. Name of Operator El Paso Natural Gas Company	8. Farm or Lease Name Huerfano Unit	
3. Address of Operator Box 990, Farmington, New Mexico 87401	9. Well No. 227	
4. Location of Well UNIT LETTER <u>0</u> , <u>1070</u> FEET FROM THE <u>South</u> LINE AND <u>1840</u> FEET FROM THE <u>East</u> LINE, SECTION <u>32</u> TOWNSHIP <u>27 North</u> RANGE <u>10 West</u> NMPM.	10. Field and Pool, or Wild Basin Dakota	
15. Elevation (Show whether DF, RT, GR, etc.) 6130' GL		12. County San Juan

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <u>Fracture Treatment</u>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and work) SEE RULE 1103.

- 3-7-72: Spudded well, drilled surface hole and ran 7 joints 8 5/8", 24#, J-55 surface casing, 223' set at 236'. Cemented with 177 cubic feet cement. Circulated to surface. W. O. C. 12 hours, held 600#/30 minutes.
- 3-19-72: T. D. 6558'. Ran 211 joints 4 1/2", 10.5#, K-55 production casing, 6545' set at 6558'. Float collar at 6542', stage tools at 4603' and 2008'. Cemented first stage with 353 cubic feet cement, second stage with 413 cubic feet cement, third stage with 397 cubic feet cement. W.O.C. 18 hours. Top of cement 1220'.
- 3-20-72: P. B. T. D. 6542'. Perforated 6272-82, 6308-18, 6360-70, 6414-30' and 6442-52' with 18 SPZ. Fraced with 56,000# 40/60 sand and 58,400 gallons water. Dropped 4 sets of 18 balls. Flushed with 44,000 gallons water.



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

SIGNED FH Wood TITLE Petroleum Engineer DATE March 27, 1972

APPROVED BY [Signature] TITLE SUPERVISOR DIST. #3 DATE MAR 28 1972

CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	6
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SANTA FE	1 ✓
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65 30-045

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JAN 20 1972

5A. Indicate Type of Lease
STATE ☒ FEE
5. State Oil & Gas Lease No.
E 2659-6

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. Unit Agreement Name Huerfano Unit	
2. Name of Operator El Paso Natural Gas Company		8. Farm or Lease Name Huerfano Unit	
3. Address of Operator PO Box 990, Farmington, NM 87401		9. Well No. 227	
4. Location of Well UNIT LETTER O LOCATED 1070 FEET FROM THE South LINE AND 1840 FEET FROM THE East LINE OF SEC. 32 TWP. 27N RGE. 10W NMPM		10. Field and Pool, or Wildcat Basin Dakota	
12. County San Juan			
19. Proposed Depth 6385'		19A. Formation Dakota	
20. Rotary or C Rotary			
21. Elevations (Show whether DF, RT, etc.) 6130'GL		21A. Kind & Status Plug. Bond Statewide	
21B. Drilling Contractor		22. Approx. Date Work will	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. T.
12 1/4"	8 5/8'	24#	200'	180 cu.ft.	surface
7 7/8"	4 1/2'	10.5#	6395'	995 cu.ft.	base of O

Production Casing Cementing:

- 1st stage with 330 cu.ft. of cement to cover the Gallup formation.
- 2nd stage with 315 cu.ft. of cement to cover the Mesa Verde formations.
- 3rd stage with 350 cu.ft. of cement to cover the Pictured Cliffs formations.

Selectively perforate and sandwater fracture the Dakota formation.

The E/2 of Section 32 is dedicated to this well.

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,
EXPIRES 4-14-72

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JAN 14 1972
OIL CON. COM.
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Petroleum Engineer Date January 13, 1972

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DIST #3 DATE 1-14-72

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well
GAS

API # (assigned by OCD)
30-045-20874

5. Lease Number

2. Name of Operator

6. State Oil&Gas Lease #
E-2659-11

7. Lease Name/Unit Name

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

Huerfano Unit

3. Address & Phone No. of Operator

8. Well No.
#227

PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. Pool Name or Wildcat
Basin Dakota

4. Location of Well, Footage, Sec., T, R, M

10. Elevation:

1070'FSL, 1840'FEL, Sec.32, T-27-N, R-10-W, NMPM, San Juan County, NM

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☐ Other -

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well to the Gallup formation according to the attached procedure.

RECEIVED
NOV 22 1999
OIL CON. DIV.
DIST. 3

SIGNATURE

Regan Case

Regulatory Administrator November 16, 1999

trc

(This space for State Use)

Approved by

Ernie Brink

Title

DEPUTY OIL & GAS INSPECTOR, DIST. #3

Date

11-24-99
NOV 24 1999

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 30-045-20874	' Pool Code 2170/71599	' Pool Name Angels Peak Gallup/Basin Dakota
' Property Code 7139	' Property Name Huerfano Unit	' Well Number 227
' OGRID No. 14538	' Operator Name Burlington Resources Oil & Gas Company	' Elevation 6130' GR

¹⁰ Surface Location

UL or lot no. 0	Section 32	Township 27N	Range 10W	Lot Idn	Feet from the 1070'	North/South line South	Feet from the 1840'	East/West line East	County SJ
--------------------	---------------	-----------------	--------------	---------	------------------------	---------------------------	------------------------	------------------------	--------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

¹² Dedicated Acres Gal-S/320 DK-E/320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16 Original plat from David O. Vilven 1-5-72	RECEIVED NOV 22 1999 OIL CON. DIV. DIST. 3	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Peggy Cole Printed Name Regulatory Administrator Title 11-18-99 Date
		18 SURVEYOR CERTIFICATION 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 belief. Date of Survey Signature and Seal of Professional Surveyer: Certificate Number

PK @

HUERFANO UNIT #227 GALLUP
Recompletion Procedure
O 32 27 10
San Juan County, N.M.
Lat-Long: 36-31.64" - 107-54.93"

PROJECT SUMMARY: Plugback this 1972 depleted Dakota well to the Gallup Tocito and foam frac.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 6391' and pressure test tbg to 3000 psi. TOH w/2-3/8" tbg (212 Jts) and Baker Loc-set pkr (3795').
3. Run 4-1/2" csg scraper on 2-3/8" tbg to 6222'. TOH. Run 4-1/2" cmt retainer on 2-3/8" tbg and set @ 6222'. Sq DK perfs w/50 sx cl "G" cmt. This will fill inside the pipe from 6222' to 6452' w/100% excess cmt. Sting out of ret and spot 5 sx cmt on top of cmt ret @ 6200'. Reverse out cmt. Close pipe rams and pressure test 4-1/2" csg to 300 psi. TOH.
4. MI wireline. Set 4-1/2" top drillable BP @ 5750'. Run CBL from 5750' to top of cmt and from DV tool @ 4603' to top of cmt. Do not pressure csg above 300 psi.
5. Perf Tocito w/2 spf from 5654'-82'. Total 56 holes. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Average perf dia. = 0.48". Average penetration is 18" in Berea.
6. Fill 3 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 402 bbls.
7. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string (run 2 jts 2-3/8" N-80 on top of pkr).and set @ 5550'. Prepare to frac.
8. W/300 psi on annulus, breakdown Tocito perfs w/1500 gal 15% HCL acid and frac down frac string w/55,000 gals. of 70 quality foam using 20# gel as the base fluid and 100,000# 20/40 Arizona sand. Pump at 25 BPM. Monitor bottom hole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 RA isotope tracers. Max. pressure is 6000 psi and estimated treating pressure is 5830 psi. Pipe friction @ 25 BPM is 4430 psi. Treat per the following schedule:

<u>Stage</u>	<u>Foam Vol. (Gals.)</u>	<u>Gel Vol. (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Acid - 1500 gal 15% HCL			
Pad	15,000	4,500	—
1.0 ppg	10,000	3,000	10,000
2.0 ppg	10,000	3,000	20,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	10,000	3,000	40,000
Flush	(1,350)	(405)	0
Totals	55,000	16,500	100,000#

Treat frac fluid w/the following additives per 1000 gallons:

- | | |
|----------------------|--|
| * 20# J-48 | (Guar Gel mix in full tank - 16,000 gal) |
| * 1.0 gal. Aqua Flow | (Non-ionic Surfactant mix in full tank) |
| * 1.0# GVW-3 | (Enzyme Breaker mix on fly) |
| * 1.0# B - 5 | (Breaker mix on fly) |
| * 3.0 gal Fracfoam I | (Foamer mix on fly) |
| * 0.38# FracCide 20 | (Bacteriacide mix on full tank) |

All acid on this well to contain the following additives per 1000 gal:

- | | | |
|---------|----------------|---------------------|
| 2 gal | CI-22 | corrosion inhibitor |
| 5 gal | Ferrotrol-300L | iron control |
| 1 gal | Flo-back 20 | Surfactant |
| 0.5 gal | Clay Master-5C | clay control |

9. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. Take pitot gauges when possible. TOH w/pkr.
10. TIH w/notched collar on 2-3/8" tbg and C.O. to 5750' w/air/mist. Monitor gas and water returns and Take pitot gauges when possible.
11. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 5750'-5500'.
12. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 5750'. When wellbore is sufficiently clean, land tbg @ 5700' KB. Take final water and gas rates.
13. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:


Production Engineer

Approved:


Drilling Superintendent

Approved:

 10/3/99
Team Leader

VENDORS:

Wireline:	Basin	327-4472
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133

PMP

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

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		² OGRID Number 14538
		³ Reason for Filing Code CO - 7/11/96
⁴ API Number 30-045-20874	⁵ Pool Name BASIN DAKOTA (PRORATED GAS)	⁶ Pool Code 71599
⁷ Property Code 007139	⁸ Property Name HUERFANO UNIT	⁹ Well Number #227

II. ¹⁰ Surface Location

UI or lot no. O	Section 32	Township 027N	Range 010W	Lot.Idn	Feet from the 1070	North/South Line S	Feet from the 1840	East/West Line E	County SAN JUAN
--------------------	---------------	------------------	---------------	---------	-----------------------	-----------------------	-----------------------	---------------------	--------------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID 7057	¹⁹ Transporter Name and Address EL PASO FIELD SERVICES P.O. BOX 1492 EL PASO, TX 79978	²⁰ POD	²¹ O/G G	²² POD ULSTR Location and Description O-32-T027N-R010W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	1474410	O	O-32-T027N-R010W

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBSD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Dolores Diaz*

Printed Name:
Dolores Diaz
Title:
Production Associate

Date:
7/11/96

Phone
(505) 326-9700

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Title: District Supervisor

Approved Date: July 11, 1996

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator
14538 Meridian Oil Production

Previous Operator Signature

Printed Name

Title

Date

Signature: *Dolores Diaz*

Dolores Diaz

Production Associate

7/11/96

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

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

District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-104

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

5 Copies

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address MERIDIAN OIL, INC. PO Box 4289 Farmington, NM 87499 DHC-1009		² OGRID Number 14538
		³ Reason for Filing Code CO/09-01-95
⁴ API Number 30-45-2087400	⁵ Pool Name BASIN DAKOTA (PRORATED GAS)	⁶ Pool Code 68
⁷ Property Code 7970900	⁸ Property Name HUERFANO UNIT	⁹ Well Number #227

II. ¹⁰ Surface Location

UI or lot no. 0	Section 32	Township 027N	Range 010W	Lot.Idn	Feet from the 1070	North/South Line S	Feet from the 1840	East/West Line E	County SAN JUAN
--------------------	---------------	------------------	---------------	---------	-----------------------	-----------------------	-----------------------	---------------------	--------------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code		¹³ Producing Method Code		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date	
								¹⁷ C-129 Expiration Date	

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
7057	EL PASO NATURAL GAS P.O. BOX 1492 EL PASO, TX 79978		G	O-32-T027N-R010W
9018	GIANT INDUSTRIES, INC. 5764 U.S. HWY. 64 FARMINGTON, NM 87401	1474410	O	O-32-T027N-R010W

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBSD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Test Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Dolores Diaz*

Printed Name:
Dolores Diaz

Title:
Production Assistant

Date:
27 September, 1995

Phone
(505) 326-9700

OIL CONSERVATION DIVISION

Approved by:

378
SUPERVISOR DISTRICT #3

Approved Date:

OCT - 4 1995

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
-----------------------------	--------------	-------	------

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 10-0
Format 06-01
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Meridian Oil Inc.	
Address P. O. Box 4289, Farmington, NM 87499	
Reason(s) for filing (Check proper box)	Other (Please explain)
<input type="checkbox"/> New Well <input type="checkbox"/> Recompletion <input checked="" type="checkbox"/> Change in Ownership	Meridian Oil Inc. is Operator for El Paso Production Company
Change in Transporter of: <input type="checkbox"/> Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Condensate	

If change of ownership give name and address of previous owner El Paso Natural Gas Company, P. O. Box 4289, Farmington, NM 87499

II. DESCRIPTION OF WELL AND LEASE

Lease Name Huerfano Unit	Well No. 227	Pool Name, including Formation Basin Dakota	Kind of Lease (State) Federal or Fee E-2659-
Location			
Unit Letter <u>O</u>	: <u>1070</u> Feet From The <u>South</u> Line and <u>1840</u> Feet From The <u>East</u>		
Line of Section <u>32</u>	Township <u>27N</u>	Range <u>10W</u>	NMPM, San Juan

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to)
Meridian Oil Inc.	P. O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>O</u> <u>32</u> <u>27N</u> <u>10W</u>

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)
11-1-86

(Date)

OIL CONSERVATION DIVISION

NOV 01 1986

APPROVED _____

BY Brian J. Chung

TITLE SUPERVISION DISTRICT # 3

This form is to be filed in compliance with RULE

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

All sections of this form must be filled out complete on new and recompleted wells.

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

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

NOV 01 1986

CL. 11.1. DIV.



NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C
Revise.

Test Date 9-9-82		(OWWO)	
<input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special			
Company El Paso Natural Gas Company		Connection El Paso Natural Gas Company	
Pool Basin		Formation Dakota	
Completion Date 9-2-82		Total Depth 6558	
Csg. Size 4.500		Plug Back TD 6542	
Wt. 10.5		Elevation 6130 GR	
d 4.052		Farm or Lease Name Huerfano Unit	
Set At 6558		Well No. #227	
Perforations: From 6272 To 6452		Unit 0	
Tbg. Size 2.375		Sec. 32	
Wt. 4.7		Twp. 27	
d 1.995		County San Juan	
Set At 6425		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 3795	
Producing Thru Tbg.		Baro. Press. - P _q	
Reservoir Temp. °F @		Prover	
Mean Annual Temp. °F		Meter Run	
L		Taps	
H			
Gg			
% CO ₂			
% N ₂			
% H ₂ S			

FLOW DATA						TUBING DATA		CASING DATA		Dur o Flo
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							830			7 D
1.										
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS										Rate of Flow
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _c	Super. Factor F _s	Rate of Flow	Rate of Flow	
1.										
2.										
3.										
4.										
5.										

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mc/d @ 15.025		Angle of Slope @ _____		Slope, n _____	
Remarks: _____					
Approved By Commission:		Conducted By: Tom McAndrews		Calculated By: Ed Mabe	
				Checked By:	

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LAND OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.
E-2659-6

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

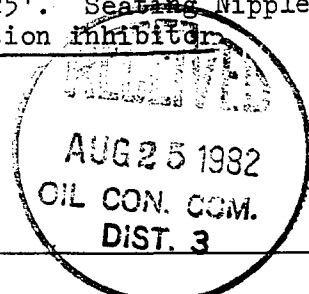
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator	Huerfano Unit
3. Address of Operator	8. Farm or Lease Name
P.O. Box 289, Farmington, NM 87401	Huerfano Unit
4. Location of Well	9. Well No.
UNIT LETTER <u>0</u> <u>1070</u> FEET FROM THE <u>South</u> LINE AND <u>1840</u> FEET FROM	10. Field and Pool, or Wildcat
THE <u>East</u> LINE, SECTION <u>32</u> TOWNSHIP <u>27N</u> RANGE <u>10W</u> NMPM.	Basin Dakota
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
6130' GL	San Juan

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	
OTHER <input type="checkbox"/>			

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any work) SEE RULE 1103.

8-16-82 Moved on Location and Rigged up. Pulled 107 bad joints tubing & packer.
8-17-82 Picked up 2 3/8" tubing & set Baker bridge plug at 6167'. Trip out of Hole. Trip hole w/Baker 4 1/2" fullbore packer and isolated holes in casing between 3265' & 3352'. cement retainer at 3091'. Squeezed w/118 cu. ft. cement.
8-18-82 Drilled out cement. Pressure tested casing, did not hold. Set retainer at 3091' squeezed w/118 cu. ft. cement.
8-19-82 Drilled cement retainer at 3091'. Pressure tested - did not hold. Set retainer at 3091' & squeezed w/89 cu. ft. cement.
8-20-82 Drilled cement retainer and cement. Pressure tested to 1000 psi.
8-21-82 Cleaned out to bridge plug at 6167'. Drilled bridge plug at 6167'. Cleaned out float collar at 6542'.
8-22-82 Ran 212 joints 2 3/8", 4.7#, J-55 tubing (6413') set at 6425'. Seating Nipple at 6391'. Baker Lock-Set packer set at 3795'. Loaded annulus w/corrosion inhibitor.



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

SIGNED <u>D. A. Suico</u>	TITLE <u>Drilling Clerk</u>	DATE <u>August 24,</u>
APPROVED BY <u>[Signature]</u>	TITLE <u>SUPERVISOR DISTRICT #1</u>	DATE <u>AUG 25 1982</u>
CONDITIONS OF APPROVAL, IF ANY:		

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OPERATOR		

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 --" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL OTHER-		7. Unit Agreement Name Huerfano Unit	
2. Name of Operator El Paso Natural Gas Company		8. Farm or Lease Name Huerfano Unit	
3. Address of Operator PO Box 289, Farmington, NM 87401		9. Well No. 227	
4. Location of Well UNIT LETTER <u>O</u> <u>1070</u> FEET FROM THE <u>South</u> LINE AND <u>1840</u> FEET FROM <u>East</u> <u>32</u> TOWNSHIP <u>27N</u> RANGE <u>10W</u> THE LINE, SECTION TOWNSHIP RANGE NMPM.		10. Field and Pool, or Wildcat Basin Dakota	
15. Elevation (Show whether DF, RT, GR, etc.) 6130' GL		12. County San Juan	

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK	<input type="checkbox"/>
TEMPORARILY ABANDON	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>

PLUG AND ABANDON ☐

CHANGE PLANS ☐

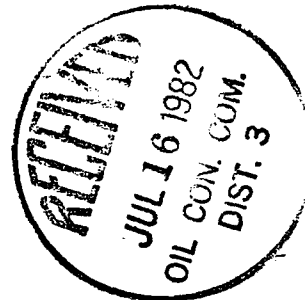
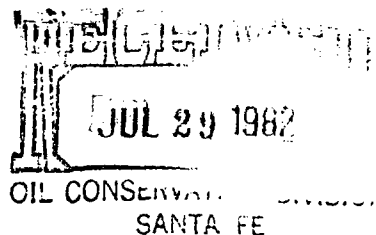
REMEDIAL WORK
COMMENCE DRILLING OPNS.
CASING TEST AND CEMENT JOB

ALTERING CASING
PLUG AND ABANDON

OTHER Repair Casing Failure ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any work) SEE RULE 1103.

In order to permanently repair the casing failure, it is intended to pull the tubing and packer and set a drillable bridge plug above the perforation at 6200'. The casing failure will be isolated and squeeze cemented with sufficient amount of cement to repair the leak. Following clean out, the casing will be tested to 600 psi. The bridge plug will be drilled out, the tubing rerun and the well returned to production.



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

SIGNED Harry W. Smith

Project Drilling Engineer

July 14,

APPROVED BY John L. [Signature]

SUPERVISOR DISTRICT # 3

DATE _____

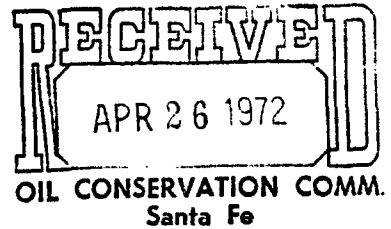
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO



NOTICE OF GAS CONNECTION



DATE April 19, 1972

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS

THE El Paso Natural Gas Company
OPERATOR

Huerfano Unit #227
LEASE

"J"
WELL UNIT

32-27-10
S-T-R

Basin Dakota
POOL

El Paso Natural Gas Company
NAME OF PURCHASER

WAS MADE ON April 11, 1972
DATE

, FIRST DELIVERY April 18, 1972
DATE

AOF 1,897
Choke 1,705
INITIAL POTENTIAL

El Paso Natural Gas Company

PURCHASER

ORIGINAL SIGNED BY

I.C. KELLENAERS

REPRESENTATIVE

Assistant Chief Dispatcher

TITLE

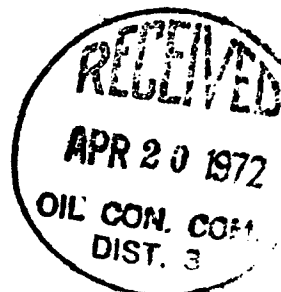
CC: TO OPERATOR

OIL CONSERVATION COMMISSION - SANTA FE

F. N. WOODRUFF - EL PASO

B. D. ADAMS

FILE



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OPERATOR	1
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NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-1
Effective 1-1-65

I. Operator
El Paso Natural Gas Company
Address
PO Box 990, Farmington, NM 87401

Reason(s) for filing (Check proper box)

New Well ☒

Recompletion ☐

Change in Ownership ☐

Change in Transporter of:

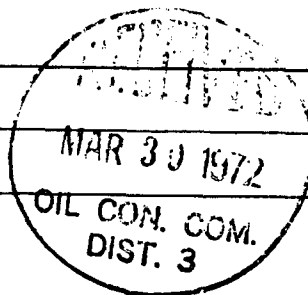
Oil ☐

Casinghead Gas ☐

Dry Gas ☐

Condensate ☐

Other (Please explain)



If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Huerfano Unit	Well No. 227	Pool Name, Including Formation Basin Dakota	Kind of Lease (State, Federal or Fee)	Lease No. E-2659-6
Location Unit Letter <u>O</u> ; <u>1070</u> Feet From The <u>South</u> Line and <u>1840</u> Feet From The <u>East</u> Line of Section <u>32</u> Township <u>27N</u> Range <u>10W</u> , NMPM, <u>San Juan</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) El Paso Natural Gas Company PO Box 990, Farmington, NM 87401				
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) El Paso Natural Gas Company PO Box 990, Farmington, NM 87401				
If well produces oil or liquids, give location of tanks.	Unit <u>O</u>	Sec. <u>32</u>	Twp. <u>27N</u>	Rge. <u>10W</u>	Is gas actually connected? <input type="checkbox"/> When

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Res'v. <input type="checkbox"/>	Diff. Res'v. <input type="checkbox"/>
Date Spudded <u>3-7-72</u>	Date Compl. Ready to Prod. <u>3-27-72</u>		Total Depth <u>6558'</u>		P.B.T.D. <u>6542'</u>			
Elevations (DF, RKB, RT, GR, etc.) <u>6130'GL</u>	Name of Producing Formation <u>Dakota</u>		Top XX /Gas Pay <u>6272'</u>		Tubing Depth <u>6444'</u>			
Perforations <u>6272-82', 6308-18', 6360-70', 6414-30', 6442-52'</u>					Depth Casing Shoe <u>6558'</u>			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>8 5/8"</u>		<u>236'</u>		<u>177 cu. ft.</u>			
<u>7 7/8"</u>	<u>4 1/2"</u>		<u>6558'</u>		<u>1163 cu. ft.</u>			
	<u>2 3/8"</u>		<u>6444'</u>		<u>tubing</u>			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(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 <u>1,897</u>	Length of Test <u>3 hours</u>	Bbls. Condensate/MMCF <u>63.44</u>	Gravity of Condensate <u>49°</u>
Testing Method (pitot, back pr.) <u>Calc. AOF</u>	Tubing Pressure (shut-in) <u>1706</u>	Casing Pressure (shut-in) <u>1789</u>	Choke Size <u>3/4" variable</u>

VI. CERTIFICATE OF COMPLIANCE

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

FX Wood
(Signature)

Petroleum Engineer

(Title)

March 30, 1972

(Date)

OIL CONSERVATION COMMISSION

APPROVED MAR 30 1972, 19

BY [Signature]

TITLE SUPERVISOR DIST. #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.

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Form C-105
Revised 1-1-65

NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
E-2659-6

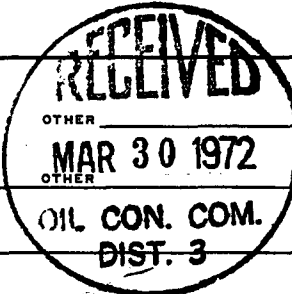
1a. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐

2. Name of Operator
El Paso Natural Gas Company

3. Address of Operator
PO Box 990, Farmington, NM 87401

4. Location of Well
UNIT LETTER O LOCATED 1070 FEET FROM THE South LINE AND 1840 FEET FROM THE East LINE OF SEC. 32 TWP. 27N RGE. 10W NMPM



7. Unit Agreement Name
Huerfano Unit

8. Farm or Lease Name
Huerfano Unit

9. Well No.
227

10. Field and Pool, or Wildcat
Basin Dakota

12. County
San Juan

15. Date Spudded
3-7-72

16. Date T.D. Reached
3-18-72

17. Date Compl. (Ready to Prod.)
3-27-72

18. Elevations (DF, RKB, RT, GR, etc.)
6130'GL

19. Elev. Casinghead

20. Total Depth
6558'

21. Plug Back T.D.
6542'

22. If Multiple Compl., How Many

23. Intervals Drilled By
Rotary Tools
0-6558'

24. Producing Interval(s), of this completion - Top, Bottom, Name
6272-6452' (Dakota)

25. Was Directional Survey Made
no

26. Type Electric and Other Logs Run
CDL-IEL and GR - Temp. Survey

27. Was Well Cored
no

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	236'	12 1/4"	177 cu. ft.	
4 1/2"	10.5#	6558'	7 7/8"	1163 cu. ft.	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8"	6444'	

31. Perforation Record (Interval, size and number)
6272-82', 6308-18', 6360-70', 6414-30'
6442-52' with 18 shots per zone.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6272-6452'	56,000#sand & 58,400 gal. water

33. PRODUCTION

Date First Production

Production Method (Flowing, gas lift, pumping - Size and type pump)
flowing

Well Status (Prod. or Shut-in)
shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3-27-72	3 hrs.	3/4"		63.44		12.48	

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
SI 1706	SI 1789			1897 AOF		49°

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
R. Hardy & D. Norton

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED PH Wood TITLE Petroleum Engineer DATE March 30, 1972