

DATE IN 2/8/00	2/28/00	ENGINEER MS	LOGGED KW	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 229*

- [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]

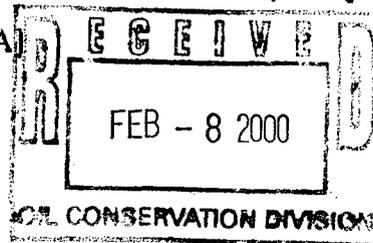
[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Directional Drilling
- 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] 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

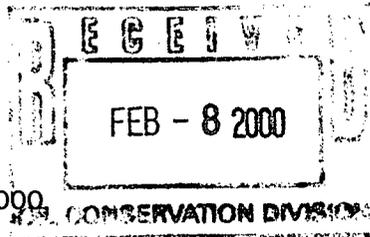
Regulatory/Compliance Administrator

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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>		
	Signature <u>Peggy Cole</u> Printed Name Regulatory Administrator Title		
	Date		
	18 SURVEYOR CERTIFICATION <i>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.</i>		
	Date of Survey		
	Signature and Seal of Professional Surveyer:		
Certificate Number			

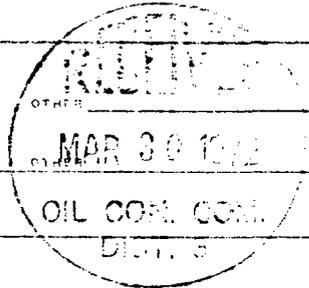
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SALES & FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

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

Form O-111
Revised 1-1-70

1. State Oil & Gas Lease No. State Fed
 2. State Oil & Gas Lease No. **R-2659-6**

10. TYPE OF WELL
 OIL WELL GAS WELL DRY OTHER
 11. TYPE OF COMPLETION
 KEY WELL WORK OVER SCREEN PLUS PACK DIFF. RESVR.



7. Unit Agreement Name
 8. Name of Leaseholder
 9. Well No.
 10. Field and Pool, all known
 Basin Dakota

2. Name of Operator
El Paso Natural Gas Company
 3. Address of Operator
PO Box 990, Farmington, NM 87401
 4. Location of Well

11. County
San Juan

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

12. County
San Juan

13. Date Spudded **3-7-72** 14. Date T.D. Reached **3-18-72** 17. Date Compl. (Ready to Prod.) **3-27-72** 18. Elevations (ET, RRB, RT, GR, etc.) **6180' GL** 19. Elev. Casinghead

20. Total Depth **6558'** 21. Plus back T.D. **6542'** 22. If Multiple Complet., How Many
 23. Interval Drilled By **0-6558'** Rotary Tools
 Cable Tools

24. Producing Interval(s) at 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"	1153 cu. ft.	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	BACKS CEMENT	SCREEN	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

Flow First Production
 Production Method (Flow line, gas lift, pumping - size and type pump)
flowing
 Well Status (In-L or Shut-in)
shut-in

Date of Test	Hours Tested	Choke Size	Creeds. Per Test Period	Oil - BBL	Gas - MCF	Water - BBL	Oil-Gas Ratio
3-27-72	3 hrs.	3/4"		63.44		12.48	
Flow Testing Pressure	Casing Pressure	Calculated Inflow Rate	Oil - BBL	Gas - MCF	Water - BBL	Oil Gravity - API (Corr.)	
SI 1706	SI 1780			1897 AOF		490	

34. Impurities in Oil (API used for acid, naphtha, etc.)
 Test Witnessed By
R. Hardy & D. Norton

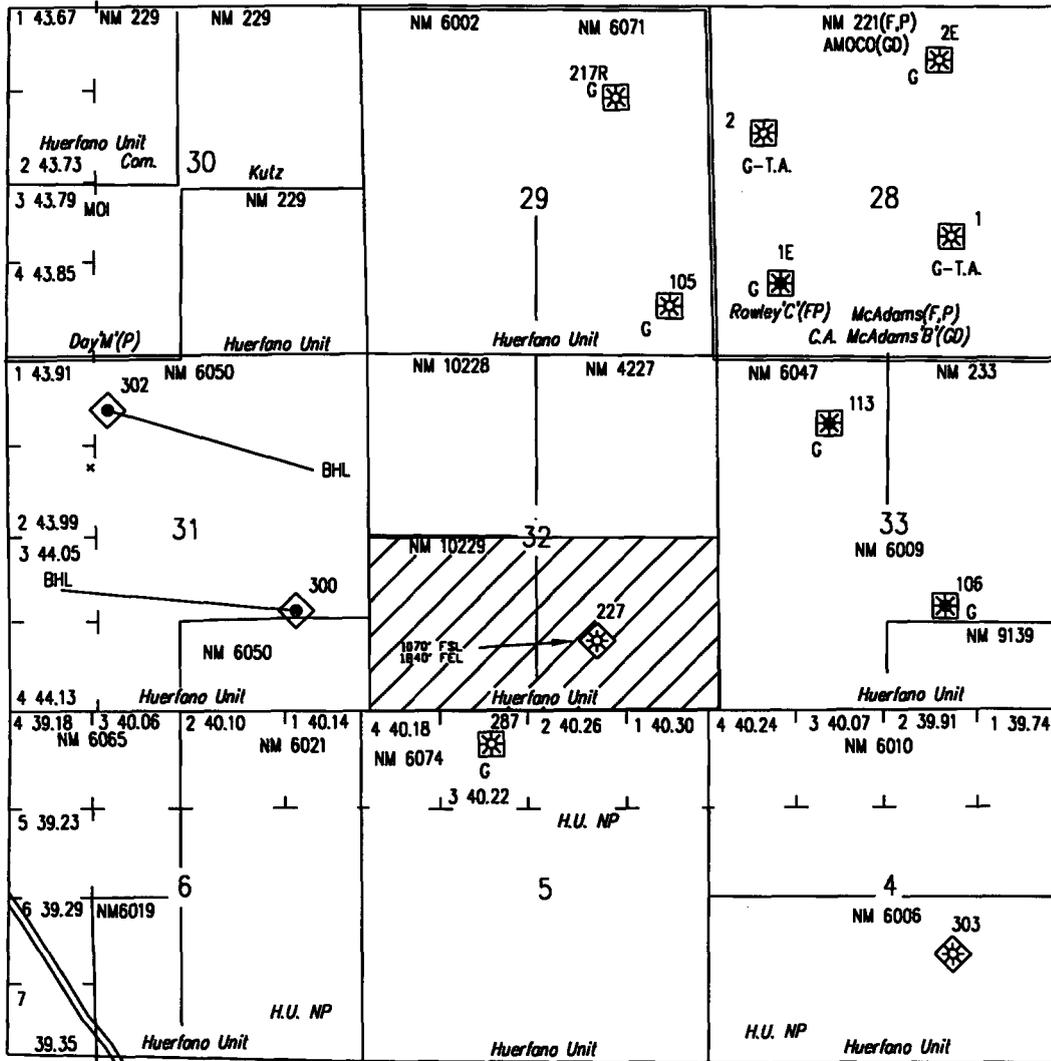
35. I hereby certify that the information furnished on this form is true and complete to the best of my knowledge and belief.

Signature **Original Signed F. H. WOOD** TITLE **Petroleum Engineer** DATE **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 :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/10/00 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 PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 PF12

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/10/00 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 PF02 PF03 EXIT PF04 GoTo PF05 PF06
PF07 BKWD PF08 FWD PF09 PRINT PF10 SDIV PF11 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: 320.00

Lease Type : S

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

	6	5	4	3	2	1
	7	8	9	10	11	12
	18	17	16	15	14	13
	19	20	21	22	23	24
	30	29	28	27	26	25
	31	32	33	34	35	36

Description: SW 1/4 Sec. 26, 7/8 Sec. 27, SE 1/4 Sec. 28, E 1/2 Sec. 33,
All Sec. 34, W 1/2 Sec. 35 (R-1167, 5-1-58)
Reclassified as an Oil Pool (R-1357, 4-1-59)
Ext: SW 1/4 Sec. 28, 7/8 Sec. 29, All Sec. 32, W 1/2 Sec. 33 (R-1373, 5-1-59)
SW 1/4 Sec. 28 (R-1487, 10-1-59) SE 1/4 Sec. 19, NW 1/4 Sec. 29, NE 1/4 Sec. 30 (R-1503, 5-1-60)
W 1/2 Sec. 19 (R-1443, 2-1-61) NE 1/4 Sec. 19 (R-2102, 11-1-61)
Ext: All Sec. 36 (R-5329, 2-1-77)
Ext: All Sec. 22, N 1/2 Sec. 27 (R-2046, 8-6-82)
Ext: NE 1/4 and N 1/2 NW 1/4 Sec. 28 (R-8273, 8-6-86)
Ext: SE 1/4 Sec. 30, E 1/2 Sec. 31 (R-9667, 5-6-92) Ext: W 1/2 Sec. 30, W 1/2 Sec. 31
(R-9801, 12-16-92) Ext: NE 1/4 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
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All distances must be from the outer boundaries of the section.

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

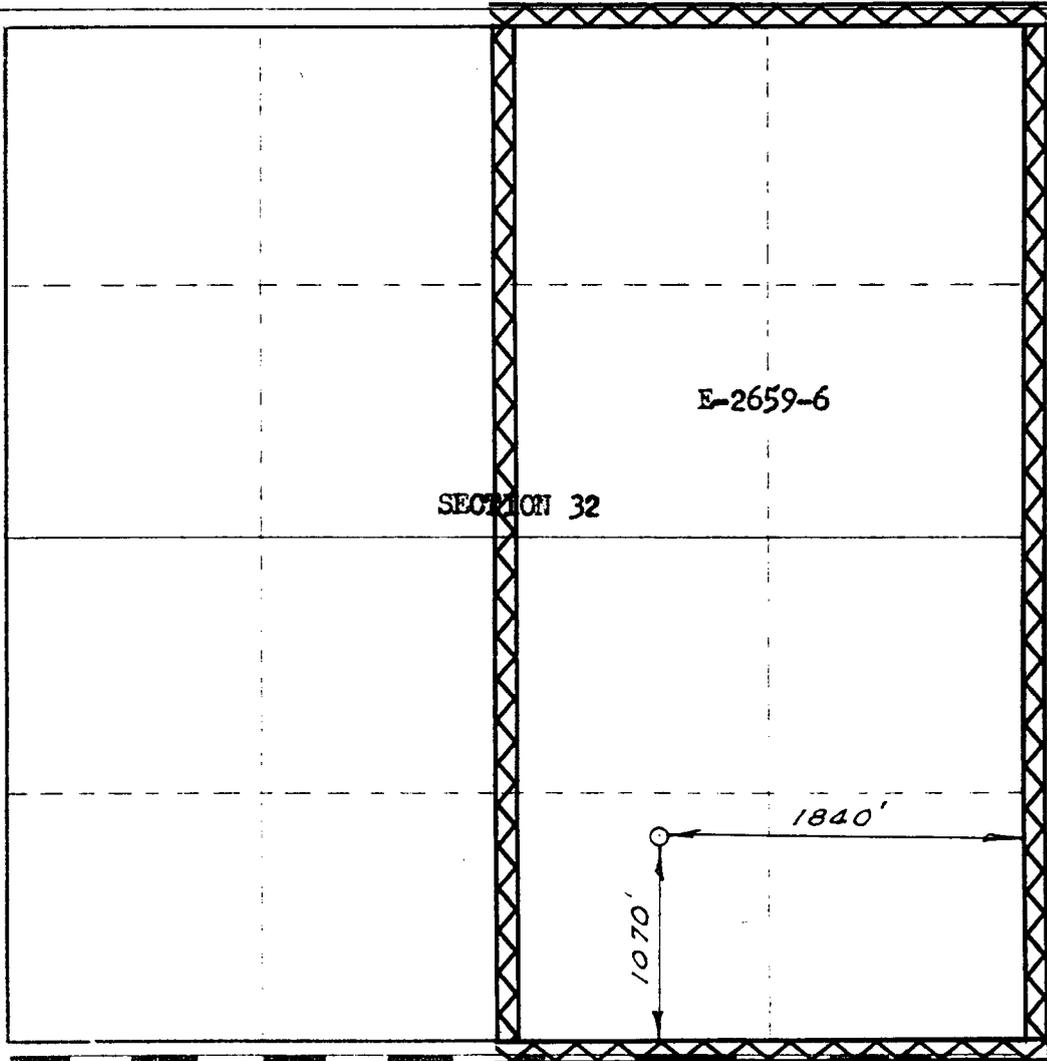
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (including interest and royalty).
3. If more than one lease of different ownership is dedicated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

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 OIL CON. COM.
 DIST. 3



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 under my supervision, and that the same is true and correct to the best of my knowledge and belief.

JANUARY 5, 1972
[Signature]
 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. Greenhorn 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 _____	T. Dakota Graneros 6246'	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Mancos 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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SANTA FE	1 ✓
FILE	1
U.S.G.S.	
LAND OFFICE	
OPERATOR	3

NEW MEXICO OIL CONSERVATION COMMISSION

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

5a. Indicate Type of Lease
State State
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 GAS WELL OTHER-
2. Name of Operator
El Paso Natural Gas Company
3. Address of Operator
Box 990, Farmington, New Mexico 87401
4. Location of Well
UNIT LETTER 0, 1070 FEET FROM THE South LINE AND 1840 FEET FROM THE East LINE, SECTION 32 TOWNSHIP 27 North RANGE 10 West NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)
6130' GL

7. Unit Agreement Name
Huerfano Unit
8. Farm or Lease Name
Huerfano Unit
9. Well No.
227
10. Field and Pool, or Wild
Basin Dakota
12. County
San Juan

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

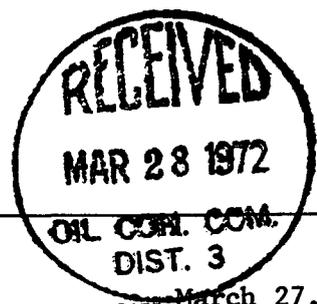
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE 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 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
DISTRIBUTION	
SANTA FE	1 ✓
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 11-65 30-045

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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		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> 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"/>		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 Wildc 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 F.H. Wood Title Petroleum Engineer Date January 13, 1972

(This space for State Use)

APPROVED BY Corey Clewell 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

<p>1. Type of Well GAS</p> <hr/> <p>2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY</p> <hr/> <p>3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <hr/> <p>4. Location of Well, Footage, Sec., T, R, M 1070' FSL, 1840' FEL, Sec. 32, T-27-N, R-10-W, NMPM, San Juan County, NM</p>	<p>API # (assigned by OCD) 30-045-20874</p> <p>5. Lease Number</p> <hr/> <p>6. State Oil&Gas Lease # E-2659-11</p> <p>7. Lease Name/Unit Name Huerfano Unit</p> <p>8. Well No. #227</p> <p>9. Pool Name or Wildcat Basin Dakota</p> <p>10. Elevation:</p>
--	---

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other	

13. Describe Proposed or Completed Operations

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

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

SIGNATURE *Jeanne Case* Regulatory Administrator November 16, 1999

(This space for State Use) trc

Approved by *Ernie Birch* Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date 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.	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>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>
			Signature
			Printed Name Peggy Cole Title Regulatory Administrator Date 11-18-99
	18 SURVEYOR CERTIFICATION <i>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.</i>		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:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
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	<u>(1,350)</u>	<u>(405)</u>	<u>0</u>
Totals	55,000	16,500	100,000#

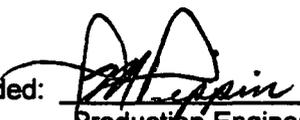
Treat frac fluid w/the following additives per 1000 gallons:

- * 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# GWV-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)

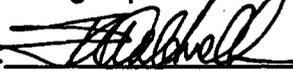
All acid on this well to contain the following additives per 1000 gal:

- 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

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
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OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
O	32	027N	010W		1070	S	1840	E	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 FIELD SERVICES P.O. BOX 1492 EL PASO, TX 79978		G	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

Signature: *Dolores Diaz*

Printed Name Title Date

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

Form C-104

Revised February 21, 1994

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

INSTRUCTIONS ON BACK
Submit to Appropriate District Office
5 Copies

95 DE 117 8 52 AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

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

II. ¹⁰ Surface Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
0	32	027N	010W		1070	S	1840	E	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 PBTB	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

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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

OIL CON. DIV.

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: *Z.S.*
Title: 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)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recombination	<input type="checkbox"/> Casinghead Gas	<input checked="" type="checkbox"/> Condensate	
<input checked="" type="checkbox"/> Change in Ownership/Operatorship			

Other (Please explain)
Meridian Oil Inc. is Operator for El Paso Production Company

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>0</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>			

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Meridian Oil Inc.	Address (Give address to which approved copy of this form is to P. O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit : <u>0</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: _____

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. [Signature]
TITLE SUPERVISION DISTRICT # 3

This form is to be filed in compliance with RULE 111.
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 completely on new and recompleted wells.

Fill out only Sections I, II, III, and VI for change of 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

OIL CONSERVATION DIV.

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DIST. 3

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

Form C
 Revise.

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

FLOW DATA						TUBING DATA		CASING DATA		Dura	
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.	Temp. °F	o Flo
SI							830				7 D
1.											
2.											
3.											
4.											
5.											

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

NO.	P _f	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 P.S.I.A.	Critical Temperature R
1							XXXXXXX	XXXXXX		
2										
3										
4										
5										

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n =$

Absolute Open Flow _____ Mcfd @ 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
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 GAS WELL OTHER-
2. Name of Operator
El Paso Natural Gas Company
3. Address of Operator
P.O. Box 289, Farmington, NM 87401
4. Location of Well
UNIT LETTER 0 FEET FROM THE 1070 FEET FROM THE South LINE AND 1840 FEET FROM
THE East LINE, SECTION 32 TOWNSHIP 27N RANGE 10W NMPM.
15. Elevation (Show whether DF, RT, GR, etc.)
6130' GL

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

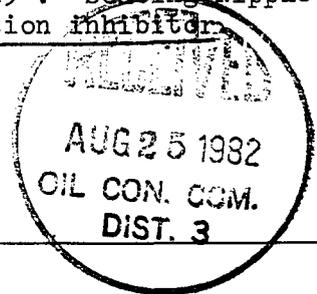
16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input 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"/>

SEP 15 1982
CONSERVATION DIVISION
SANTA FE

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

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

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OPERATOR	

5a. Indicate Type of Lease
State F
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- 2. Name of Operator El Paso Natural Gas Company 3. Address of Operator PO Box 289, Farmington, NM 87401 4. Location of Well UNIT LETTER 0 1070 South 1840 East 32 27N 10W THE LINE, SECTION TOWNSHIP RANGE NMPM. 15. Elevation (Show whether DF, RT, GR, etc.) 6130' GL	7. Unit Agreement Name Huerfano Uni 8. Farm or Lease Name Huerfano Uni 9. Well No. 227 10. Field and Pool, or Whidcc Basin Dakota 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
CHANGE PLANS <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
OTHER <u>Repair Casing Failure</u> <input checked="" type="checkbox"/>	OTHER _____

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 perforat at 6200'. The casing failure will be isolated and squeeze cemented with sufficient amount of cement to repair the leak. Following clean out, th casing will be tested to 600 psi. The bridge plug will be drilled out, the tubing rerun and the well returned to production.

JUL 29 1982
OIL CONSERVATION DIVISION
SANTA FE

RECEIVED
JUL 16 1982
OIL CON. COM.
DIST. 3

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

SIGNED Ray A. Bink TITLE Project Drilling Engineer DATE July 14,

APPROVED BY Frank J. Long TITLE SUPERVISOR DISTRICT # 3 DATE JUL 16 1982

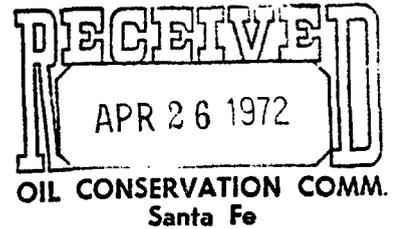
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO



NOTICE OF GAS CONNECTION

CHANGE OK [Signature]

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

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 T.C. KELLENERS

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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**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

RECEIVED
MAR 30 1972

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OIL CON. COM.
DIST. 3

I.

Operator
El Paso Natural Gas Company

Address
PO Box 990, Farmington, NM 87401

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:			
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input type="checkbox"/>

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. El-2659-6			
Location							
Unit Letter	O	Feet From The	South	Line and	1840	Feet From The	East
Line of Section	32	Township	27N	Range	10W	, NMPM, San Juan 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"/>	El Paso Natural Gas Company				Address (Give address to which approved copy of this form is to be sent) PO Box 990, Farmington, NM 87401			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	El Paso Natural Gas Company				Address (Give address to which approved copy of this form is to be sent) PO Box 990, Farmington, NM 87401			
If well produces oil or liquids, give location of tanks.	Unit O	Sec. 32	Twp. 27N	Rge. 10W	Is gas actually connected? 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	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 3-7-72	Date Compl. Ready to Prod. 3-27-72	Total Depth 6558'		P.B.T.D. 6542'				
Elevations (DF, RKB, RT, GR, etc.) 6130'GL	Name of Producing Formation Dakota	Top XX /Gas Pay 6272'		Tubing Depth 6444'				
Perforations 6272-82', 6308-18', 6360-70', 6414-30', 6442-52'						Depth Casing Shoe 6558'		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	8 5/8"	236'	177 cu. ft.
7 7/8"	4 1/2"	6558'	1163 cu. ft.
	2 3/8"	6444'	tubing

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)

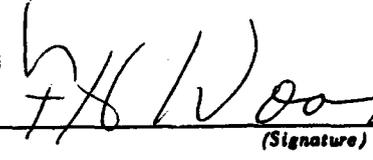
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

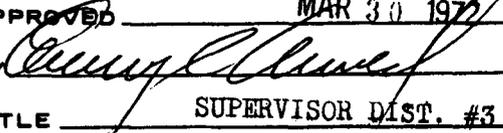
Actual Prod. Test-MCF/D 1,897	Length of Test 3 hours	Bbls. Condensate/MMCF 63.44	Gravity of Condensate 49°
Testing Method (pitot, back pr.) Calc. AOF	Tubing Pressure (shut-in) 1706	Casing Pressure (shut-in) 1789	Choke Size 3/4" variable

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.


(Signature)
Petroleum Engineer
(Title)
March 30, 1972
(Date)

OIL CONSERVATION COMMISSION

APPROVED **MAR 30 1972**, 19
BY 
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 deviator 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.

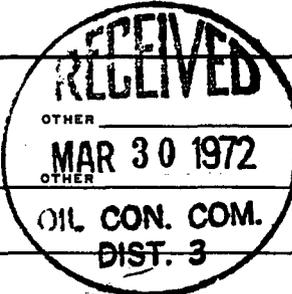
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LAND OFFICE	1
OPERATOR	1

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.

7. Unit Agreement Name
Huerfano Unit

8. Farm or Lease Name
Huerfano Unit

2. Name of Operator
El Paso Natural Gas Company

9. Well No.
227

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

10. Field and Pool, or Wildcat
Basin Dakota

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

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' Cable Tools

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 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	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
<u>6272-6452'</u>	<u>56,000#sand & 58,400 gal. water</u>

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
<u>3-27-72</u>	<u>3 hrs.</u>	<u>3/4"</u>	<u> </u>	<u>63.44</u>	<u> </u>	<u>12.48</u>	<u> </u>

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

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