

Ext: 5/2 Sec. 5, All Secs. 6 through 8 (A-3801, 12-16-92)

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

02/11/00 08:09:43
OGOMES -TPHF
PAGE NO: 1

Sec : 10 Twp : 26N Rng : 10W Section Type : NORMAL

D 40.00 Federal owned U	C 40.00 Federal owned U	B 40.00 Federal owned U	A 40.00 Federal owned U A
E 40.00 Federal owned U	F 40.00 Federal owned U A	G 40.00 Federal owned U	H 40.00 Federal owned U

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

CMD :
OG5SECTONGARD
INQUIRE LAND BY SECTION02/11/00 08:09:49
OGOMES -TPHF
PAGE NO: 2

Sec : 10 Twp : 26N Rng : 10W Section Type : NORMAL

L 40.00 Federal owned U	K 40.00 Federal owned U	J 40.00 Federal owned U	I 40.00 Federal owned U
M 40.00 Federal owned U	N 40.00 Federal owned U	O 40.00 Federal owned U	P 40.00 Federal owned U A

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

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

02/11/00 08:10:16
OGOMES -TPHE

API Well No : 30 45 20778 Eff Date : 01-01-1900 WC Status : A
Pool Idn : 71599 BASIN DAKOTA (PRORATED GAS)
OGRID Idn : 14538 BURLINGTON RESOURCES OIL & GAS CO
Prop Idn : 7139 HUERFANO UNIT

Well No : 211
GL Elevation: 6721

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
	---	---	-----	-----	-----	-----	-----
B.H. Locn : F	10	26N	10W	FTG 1550	F N	FTG 1500	F W P

Lot Identifier:
Dedicated Acre: 320.00
Lease Type : F
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

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

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells 2:45

1. Type of Well
GAS

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

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

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

1550' FNL, 1500' FWL, Sec.10, T-26-N, R-10-W, NMPM

5. Lease Number
SF-079658

6. If Indian, All. or
Tribe Name

Unit Agreement Name
Huerfano Unit

8. Well Name & Number
Huerfano Unit #211

9. API Well No.
30-045-20778

10. Field and Pool
Basin Dakota *KL*

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplate the subject well to the Gallup formation according to the attached procedure and wellbore diagram.

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

Signed *Regan Call* Title Regulatory Administrator Date 11/16/99
trc

(This space for Federal or State Office use)

APPROVED BY *Assoc* Title _____ Date 12/20/99

CONDITION OF APPROVAL, if any:

Assoc
Angel Peak Gallup, USC

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-107
Revised February 21, 1991
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 30-045-20778	Pool Code 2170/71599	Pool Name Angels Peak Gallup Basin Dakota
Property Code 7139	Property Name Huerfano Unit	Well Number 211
OGRID No. 14538	Operator Name Burlington Resources Oil & Gas Company	Elevation 6721' GR

10 Surface Location

UL or lot no. F	Section 10	Township 26N	Range 10W	Lot Idn	Feet from the 1550	North/South line North	Feet from the 1500	East/West line West	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-W/320 DK-W/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 12-30-70	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 11-18-99
1550'	RECEIVED DEC 22 1999 OIL CON. DIV. DIST. 3	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
1500'		

HUERFANO UNIT #211 GALLUP
Recompletion Procedure
F 10 26 10
San Juan County, N.M.
Lat-Long: 36-30.34" - 107-53.21"

PROJECT SUMMARY: Plugback this 1971 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 @ 6919' and pressure test tbg to 3000 psi. TOH w/2-3/8" tbg (228 Jts).
3. Run 4-1/2" csg scraper on 2-3/8" tbg to 6725'. TOH. Run 4-1/2" cmt retainer on 2-3/8" tbg and set @ 6725'. Sq DK perms w/33 sx cl "G" cmt. This will fill inside the pipe from 6725' to 6942' w/100% excess cmt. Sting out of ret and spot 5 sx cmt on top of cmt ret @ 6700'. 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 @ 6300'. Run CBL from 6300' to top of cmt and from DV tool @ 5057' to top of cmt. **Do not pressure csg above 300 psi.**
5. Perf Tocito w/2 spf from 6168'-84'. Total 32 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 403 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 @ 6000'. Prepare to frac.
8. W/300 psi on annulus, breakdown Tocito perms 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	<u>(1,460)</u>	<u>(438)</u>	<u>0</u>
Totals	55,000	16,500	100,000#

HUERANO UNIT #211 GALLUP - RECOMPLETE TO GALLUP TOCITO

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 6300' 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 6300'-6000'.
12. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 6300'. When wellbore is sufficiently clean, land tbg @ 6180' KB. Take final water and gas rates.
13. ND BOP and NU wellhead and tree. Rig down and release rig.

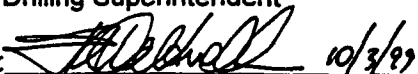
Recommended:


Production Engineer

Approved:


Drilling Superintendent

Approved:


Team Leader

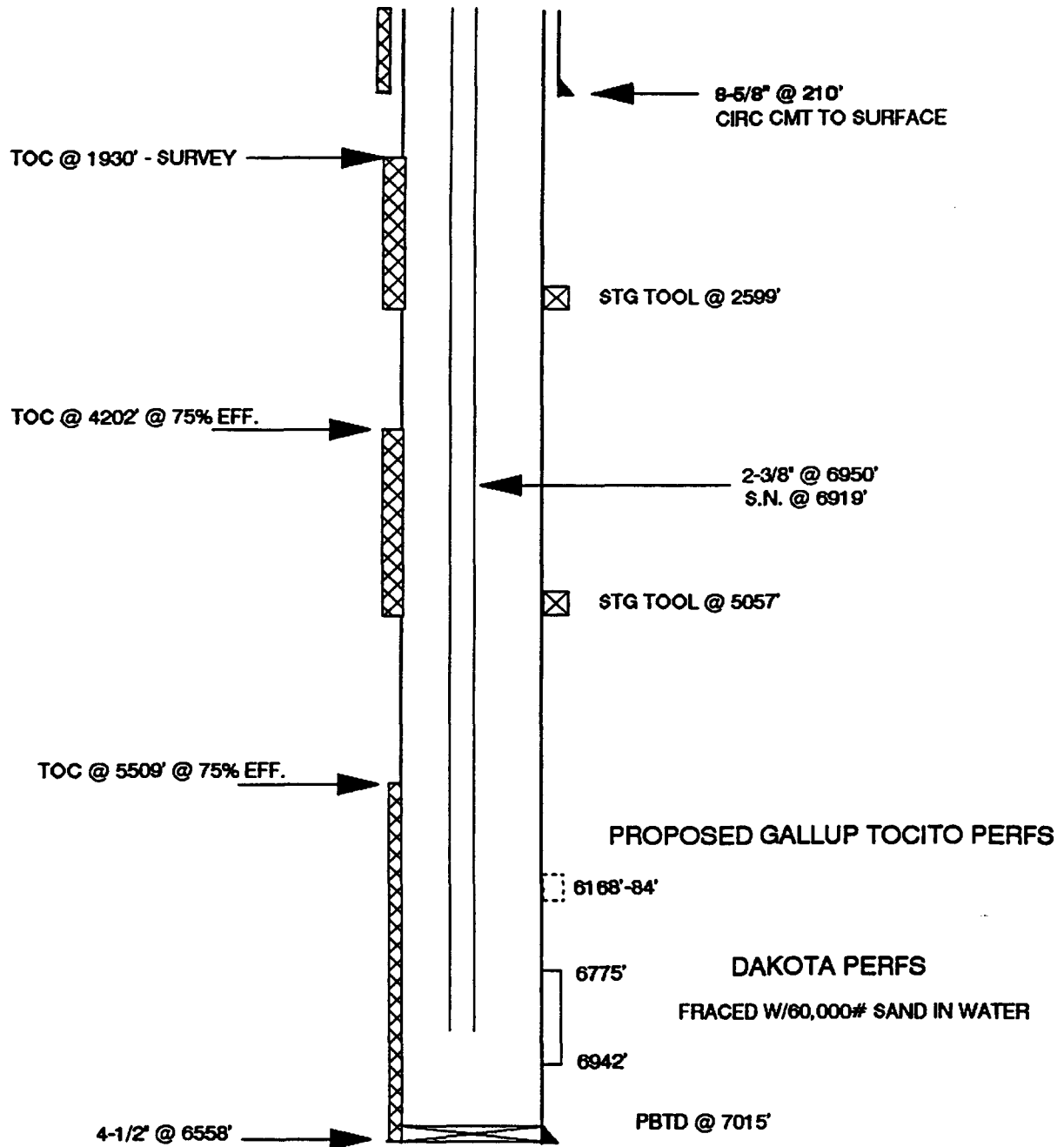
VENDORS:

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

PMP

HUERFANO UNIT #211 GALLUP

UNIT F SECTION 10 T26N R10W
SAN JUAN COUNTY, NEW MEXICO



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
5 Copies

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 30-045-20778	⁵ Pool Name BASIN DAKOTA (PRORATED GAS)	⁶ Pool Code 71599
⁷ Property Code 007139	⁸ Property Name HUERFANO UNIT	⁹ Well Number #211

II. ¹⁰ Surface Location

UI or lot no. F	Section 10	Township 026N	Range 010W	Lot.Idn	Feet from the 1550	North/South Line N	Feet from the 1500	East/West Line W	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 F-10-T026N-R010W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	1465610	O	F-10-T026N-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	

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

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

☐ AMENDED REPORT

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
⁴ API Number 30-45-2077800		³ Reason for Filing Code CO/09-01-95
⁵ Pool Name BASIN DAKOTA (PRORATED GAS)		⁶ Pool Code 68
⁷ Property Code 7970900	⁸ Property Name HUERFANO UNIT	⁹ Well Number #211

II. ¹⁰ Surface Location

UI or lot no. F	Section 10	Township 026N	Range 010W	Lot.Idn	Feet from the 1550	North/South Line N	Feet from the 1500	East/West Line W	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	F-10-T026N-R010W
9018	GIANT INDUSTRIES, INC. 5764 U.S. HWY. 64 FARMINGTON, NM 87401	1465610	O	F-10-T026N-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	

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: <i>Dolores Diaz</i>			OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> SUPERVISOR DISTRICT #3		
Printed Name: Dolores Diaz			Title:		
Title: Production Assistant			Approved Date: OCT - 4 1995		
Date: 27 September, 1995		Phone: (505) 326-9700			

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
-----------------------------	--------------	-------	------

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

OIL CONSERVATION DIVISION
RECEIVED

Sundry Notices and Reports on Wells

RECEIVED
NOV -5 PM 5:01

Lease Number
SF-079658

1. Type of Well
GAS

070 FARMINGTON, NM

6. If Indian, All. or
Tribe Name

2. Name of Operator
MERIDIAN OIL

7. Unit Agreement Name

Huerfano Unit

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number

Huerfano Unit 211

9. API Well No.

4. Location of Well, Footage, Sec., T, R, M
1550'FNL, 1500'FWL Sec.10, T-26-N, R-10-W, NMPM

10. Field and Pool

Basin Dakota

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

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

In response to your letter of 9-9-93, the subject Dakota well has been returned to producing status. It's current producing rate is 120 mcf/d and 1 bopd. The well was off production for over one year due to high line pressure.

RECEIVED
NOV 12 1993
OIL CONSERVATION DIV.
DIST. 3

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

Signed *James J. Mallard* (MP) Title Regulatory Affairs Date 11/4/93

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

ACCEPTED FOR RECORD
Date _____

CONDITION OF APPROVAL, if any:

NOV 06 1993

FARMINGTON DISTRICT OFFICE

BY *21T*

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE	
TRANSPORTER	OIL
OPERATOR	GAS
PRODUCTION OFFICE	

OIL CONSERVATION DIVISION

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

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

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

RECEIVED
NOV 01 1986
OIL CON. DIV.
DIST. 3

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:	Other (Please explain) Meridian Oil Inc. is Operator for El Paso Production Company
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Gas	

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

Lessee Name Huerfano Unit	Well No. 211	Pool Name, including Formation Basin Dakota	Kind of Lease State (Federal) Fee	Lessee No. SF 079658
Location				
Unit Letter <u>F</u> : <u>1550</u> Feet From The <u>North</u> Line and <u>1500</u> Feet From The <u>West</u>				
Line of Section <u>10</u> Township <u>26N</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)
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 be sent)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Is gas actually connected? when
Unit <u>F</u> Sec. <u>10</u> Twp. <u>26N</u> Rge. <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.

Peggy Doak
(Signature)
Drilling Clerk
(Title)
11-1-86
(Date)

OIL CONSERVATION DIVISION

NOV 01 1986

APPROVED _____, 19____
BY John J. Smith
TITLE SUPERVISION DISTRICT # 3

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

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated 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.

RECEIVED

SEP 27 1971

OIL CONSERVATION COMM.
SANTA FE

OIL CONSERVATION COMMISSION

BOX 697

120 EAST CHACO

AZTEC, NEW MEXICO

NOTICE OF GAS CONNECTION

6

DATE September 23, 1971

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

THE El Paso Natural Gas Company
OPERATOR

Huerfano Unit #211

LEASE

"P"

WELL UNIT

10-26-10

S-T-R

Basin Dakota

POOL

El Paso Natural Gas Company

NAME OF PURCHASER

WAS MADE ON September 15, 1971 , FIRST DELIVERY September 16, 1971
DATE DATE

AOF 1,157
Choke 1,075

INITIAL POTENTIAL

El Paso Natural Gas Company
PURCHASER

ORIGINAL SIGNED BY

T. C. BELLENAERS

REPRESENTATIVE

Assistant Chief Dispatcher
TITLE

CC: TO OPERATOR
OIL CONSERVATION COMMISSION - SANTA FE
F. N. WOODRUFF - EL PASO

~~XXXXXXXXXX~~

FILE

10-1-71-83

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-110
Effective 1-1-65

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SANTA FE	1
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL 1 GAS 1
OPERATOR	2
PRORATION OFFICE	

Operator	El Paso Natural Gas Company
Address	Box 990, Farmington, New Mexico 87401
Reason(s) for filing (Check proper box)	Other (Please explain)
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"/>

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, Including Formation	Kind of Lease	Lease No.
Huerfano Unit	211	Basin Dakota	State, Federal or Fee	SF 079658
Location				
Unit Letter	F	1550 Feet From The	North Line and	1500 Feet From The
Line of Section	10	Township	26N	Range
			10Wx	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"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	Box 990, Farmington, New Mexico 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	Box 990, Farmington, N. M. 87401
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
F 10 26N 10W	

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	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
6-8-71	7-13-71	7030'	7015'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top XX/Gas Pay	Tubing Depth					
6721' GL	Dakota	6775'	6950'					
Perforations	Depth Casing Shoe							
6775-81', 6808-14', 6860-72', 6912-24', 6936-42'	7030'							
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	8 5/8"	210'	150 Sks.					
7 7/8"	4 1/2"	7030'	715 Sks.					
	2 3/8"	6950'	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	Length of Test	Bbls. Condensate XXXX 3 Hrs.	Gravity of Condensate
1157	3 Hrs.	61.75	41° XXXXX API
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
Calc. A.o.F	1887	1892	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.

Petroleum Engineer

July 26, 1971

(Date)

OIL CONSERVATION COMMISSION

APPROVED

AUG 2 1971

BY

SUPERVISOR DIST. #3

TITLE

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 multiply completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.LEASE DESIGNATION AND SERIAL NO.
SF 079658

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR El Paso Natural Gas Company						6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico 87401						UNIT AGREEMENT NAME Huacafano Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1550°N, 1550°W At top prod. interval reported below At total depth						7. FARM OR LEASE NAME Huacafano Unit	
14. PERMIT NO. _____ DATE ISSUED _____						9. WELL NO. 211	
15. DATE SPUDDED 6-3-71						10. FIELD AND POOL, OR WILDCAT OR AREA Basin Dakota	
16. DATE T.D. REACHED 6-18-71						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 10, T-26-N, R-10-W N.M.P.M.	
17. DATE COMPL. (Ready to prod.) 7-13-71						12. COUNTY OR PARISH San Juan	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6721' GL						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 7030'		21. PLUG, BACK T.D., MD & TVD 7015'		22. IF MULTIPLE COMPL., HOW MANY* →		23. INTERVALS DRILLED BY ROTARY TOOLS 0-7030'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6775 - 6942' (Dakota)						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN IEL, C, DLC-GR, Temp. Survey						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
8 5/8"		24#		210'		12 1/4"	
4 1/2"		10.5#		7030'		7 7/8"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		OIL PUMPING COM.			
2 3/8"		6950'		DIST. 3			
31. PERFORATION RECORD (Interval, size and number)							
6775-81', 6808-14', 6860-72', 6912-24', 6936-42' w/18 SPZ							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
6775-6942				60,000# sand, 60,590 gal. water			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in)	
DATE OF TEST 7-13-71		HOURS TESTED 3		CHOKE SIZE 3/4"		PROD'N. FOR TEST PERIOD →	
FLOW. TUBING PRESS. SI 1887		CASING PRESSURE SI 1892		CALCULATED 24-HOUR RATE →		OIL—BBL. 61.75	
						GAS—MCF. 1157 MCF/D	
						WATER—BBL. A.O.F.	
						GAS-OIL RATIO 41	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY C. R. Wagner	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED		Original Signed By: L. O. Van Ryan		TITLE Petroleum Engineer		DATE July 26, 1971	

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

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

Items 22 and 24: If this well is completed for separate production from more than one interval/zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
				Pictured Cliffs	2313
				Mesa Verde	3866
				Point Lookout	4868
				Gallup	5803
				Greenhorn	6698
				Graneros	6746
				Tekota	6856

NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	2313	
Mesa Verde	3866	
Point Lookout	4868	
Gallup	5803	
Greenhorn	6698	
Graneros	6746	
Tekota	6856	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

SF 079658

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Huerfano Unit

8. FARM OR LEASE NAME

Huerfano Unit

9. WELL NO.

211

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 10, T-26-N, R-10-W
N. M. P. M.

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

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

1550'N, 1500'W

14. PERMIT NO.

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

6721'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

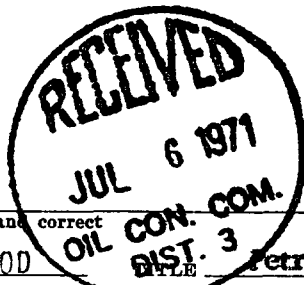
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-8-71 Spudded well, drilled surface hole.

6-8-71 Ran 6 joints 8 5/8", 24#, J-55 surface casing (200') set at 210' w/150 sacks of cement circulated to surface. W.O.C. 12 hours, held 500#/30 Min.

6-20-71 T.D. 7030'. Ran 227 joints 4 1/2", 10.5# KS casing (7019') set at 7030'. Stage tools at 5057' and 2589'. First stage cemented w/270 sacks, second stage w/220 sacks, third stage w/225 sacks. W.O.C. 18 hours.

6-21-71 P.B.T.D. 7015'. Perforated 6775-31', 6808-14', 6860-72', 6912-24', 6936-42' w/18 SPZ. Fraced w/50,000# 20/40 sand, 60,090 gal. wtreated water. Dropped 4 sets of 18 balls, flushed w/4810 gal. water.



JUL 2 1971

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

SIGNED Oil Con. Signed F. H. WOOD

Petroleum Engineer

DATE 6-30-71

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Supersedes 1-40
File No. 14-111

EL PASO NATURAL GAS COMPANY		HUERFANO UNIT		(SF-079658)	211
F	10	26-N	10-W	SAN JUAN	
1550	NORTH	1500	WEST		
6721	DAKOTA	BASIN DAKOTA		320.00	✓

571 MAY 13 PM 2:40

1. Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership (state interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests dated by communitization, unitization, forced-pooling, etc.?

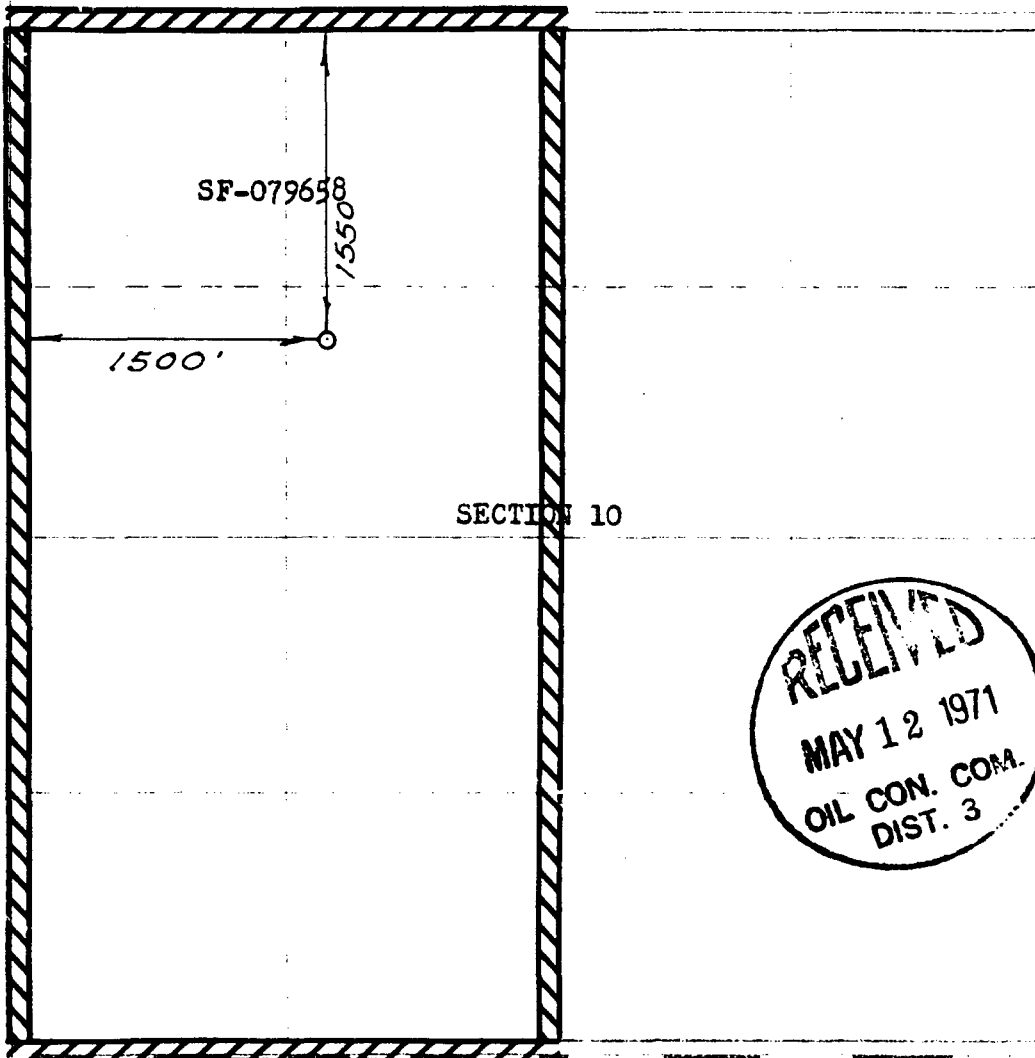
RECEIVED
MAY 11 1971

☒ Yes ☐ No If answer is "yes," type of consolidation **Unitization**

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

No allowable will be assigned to the well until all interests have been consolidated by communitization, unitization, forced-pooling, or otherwise or until a non-standard rule, affecting 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.

Original Signed F. H. WOOD

Petroleum Engineer

El Paso Natural Gas Company

May 6, 1971

RECEIVED
MAY 12 1971
OIL CON. COM.
DIST. 3

DECEMBER 30, 1970

David A. Kline

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. SF 079658
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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR El Paso Natural Gas Company		7. UNIT AGREEMENT NAME Huerfano Unit
3. ADDRESS OF OPERATOR Box 990, Farmington, New Mexico 87401		8. FARM OR LEASE NAME Huerfano Unit
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface XENEXX 1550°N, 1500°W At proposed prod. zone		9. WELL NO. 211
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Basin Dakota
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA Sec. 10, T-26-N, R-10-W, N. M. P. M.
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH San Juan
17. NO. OF ACRES ASSIGNED TO THIS WELL 320.00		13. STATE New Mexico
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		19. PROPOSED DEPTH 7017'
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6721' GL
22. APPROX. DATE WORK WILL START*		

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	150 Sks. to circulate
7 7/8"	4 1/2"	10.5#	7017'	715 Sks. - 3 Stages

Production Casing Cementing:

First Stage w/270 sacks to cover the Gallup formations.

Second stage w/220 sacks to cover the Mesa Verde formations.

Third stage w/225 sks. to cover the Pictured Cliffs formations.

Selectively perforate and sand water fracture the Dakota formation.

The W/2 of Section 10 is dedicated to this well.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

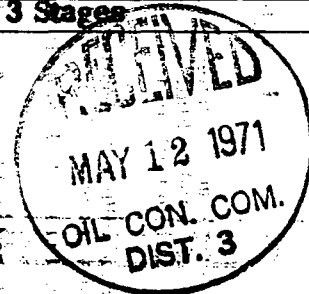
SIGNED Original Signed F. M. WOOD TITLE Petroleum Engineer DATE May 6, 1971

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side



MAY 11 1971

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO