

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

93 APR -9 PM 1:19

1. Type of Well
GAS

070 FARMINGTON, NM

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

790' FSL, 790' FWL, Sec.33, T-31-N, R-9-W, NMPM

5. Lease Number
SF-078439

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

8. Well Name & Number
Johnston Federal #21

9. API Well No.
30-045-26577

10. Field and Pool
Blanco Pictured Cliffs

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

It is intended to plug and abandon this well according to the attached procedure and wellbore diagram.

RECEIVED
APR 15 1998

OIL CON. DIV.
DIST. 3

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

Signed Duane W. Spencer (MEL) Title Regulatory Administrator Date 4/7/98

VKH

(This space for Federal or State Office use)

APPROVED BY /s/ Duane W. Spencer Title _____ Date APR 13 1998

CONDITION OF APPROVAL, if any:

PLUG AND ABANDONMENT PROCEDURE

11-3-97

Johnston Federal #21
Blanco Pictured Cliffs
790' FSL and 790' FWL / SW, Sec. 33, T31N, R9W
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and install cementing valve.
2. Open bradenhead valve. Establish rate down 2-7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow, then pump 6 7/8" RCN balls in additional water and monitor pressure, rate and volumes pumped, to confirm perforations are taking water and there is not a casing leak. If the bradenhead flows water or there are other indications of a casing leak, then MO and RU pulling unit to use 1-1/4" IJ tubing workstring to plug the well.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland, Ojo Alamo and Nacimiento tops, 3770' - Surface')**: Establish rate into PC perforations with water. Mix and pump 108 sxs Class B cement (long plug, 20 % excess) and bullhead cement down 2-7/8" casing and do not displace. Double valve and shut in well. WOC. Tag cement.
4. ND cementing valve and cut off wellhead. Fill 2-7/8" casing with cement as necessary. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: M.E. Rutter
Operations Engineer

Approval: W. J. 1/9
Drilling Superintendent

Proposed P&A

DPNO #22495-A

Blanco Pictured Cliffs

SW, Section 33, T-31-N, R-9-W, San Juan County, NM

Today's Date: 11/3/97

Spud: 10/10/85

Completed: 10/18/85

Elevation: 6453' (GL)
6458' (KB)

Logs: DIL; CDL-CNL

Workovers: None

12-1/4" Hole

Circulated Cement to Surface

8-5/8" 24#, J-55 Casing Set @ 299'
Cmt with 325 cf (Circulated to Surface)

Ojo Alamo @ 1964'

Kirtland @ 2045'

Fruitland @ 2793'

7-7/8" Hole at 3230'

Pictured Cliffs @ 3240'

Plug #1 3277' - Surface
Cmt with 108 sxs Class B,
(long plug, 20% excess),
do not displace.

Pictured Cliffs Perforations:
3259' - 3277'

PBTD
3394'

6-3/4" Hole

2-7/8" 6.5#, N80 Casing Set @ 3403'
Cmt with 620 sxs (1631 cf)
Circulated Cement to Surface

TD 3430'

Current

DPNO #22495-A

Blanco Pictured Cliffs

SW, Section 33, T-31-N, R-9-W, San Juan County, NM

Today's Date: 11/3/97

Spud: 10/10/85

Completed: 10/18/85

Elevation: 6453' (GL)
6458' (KB)

Logs: DIL; CDL-CNL

Workovers: None

Ojo Alamo @ 1964'

Kirtland @ 2045'

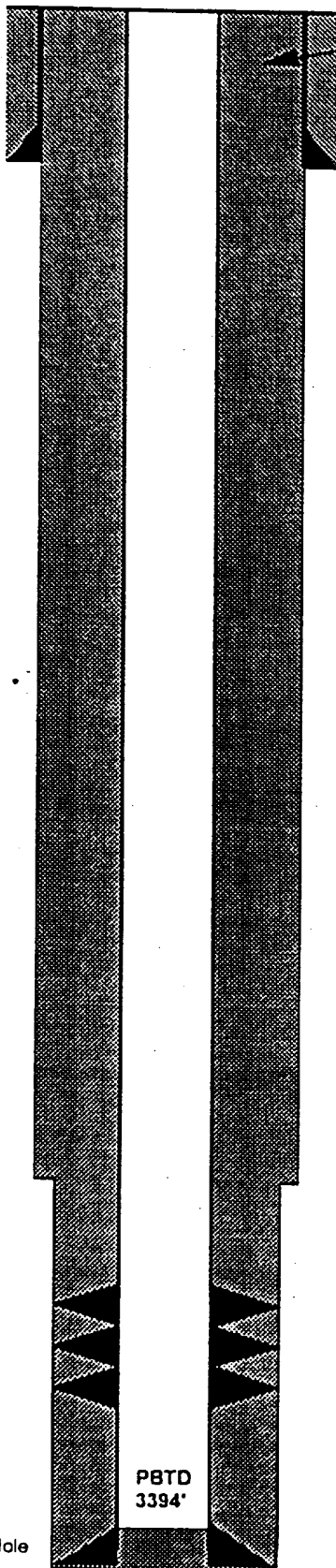
Fruitland @ 2793'

7-7/8" Hole at 3230'

Pictured Cliffs @ 3240'

6-3/4" Hole

TD 3430'



Circulated Cement to Surface

8-5/8" 24#, J-55 Casing Set @ 299'
Cmt with 325 cf (Circulated to Surface)

Pictured Cliffs Perforations:
3259' - 3277'

2-7/8" 6.5#, N80 Casing Set @ 3403'
Cmt with 620 sxs (1631 cf)
Circulated Cement to Surface

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

☐ AMMENDE 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 30-045-26577	⁵ Pool Name BLANCO PICTURED CLIFFS (GAS)	⁶ Pool Code 72359
⁷ Property Code 007208	⁸ Property Name JOHNSTON FEDERAL	⁹ Well Number #21

II. ¹⁰ Surface Location

UI or lot no. M	Section 33	Township 031N	Range 009W	Lot.Idn	Feet from the 790	North/South Line S	Feet from the 790	East/West Line W	County SAN JUAN
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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	M-33-T031N-R009W

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBTD	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: Frank T. Chavez Title: District Supervisor Approved Date: July 11, 1996		
Printed Name: Dolores Diaz Title: Production Associate Date: 7/11/96	Phone: (505) 326-9700		
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: <i>Dolores Diaz</i>	Printed Name Dolores Diaz	Title Production Associate	Date 7/11/96

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
RECEIVED

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

SEP 23 1991

Operator Meridian Oil Inc.		Well API No. 30-045-26577
Address P. O. Box 4289, Farmington, NM 87499		
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)		
New Well <input type="checkbox"/>	Change in Transporter of: <input type="checkbox"/> Dry Gas <input type="checkbox"/>	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Effective 9/17/91
Change in Operator <input checked="" type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>	
If change of operator give name and address of previous operator Union Texas Petroleum Corp.; P.O. Box 2120, Houston. TX 77252-2120		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Johnston Federal	Well No. 21	Pool Name, including Formation Blanco (Pictured Cliffs)	Kind of Lease State, Federal or Fee	Lease No. SF078439
Location Unit Letter M : 790 Feet From The S Line and 790 Feet From The W Line Section 33 Township 31N Range 09W, NMPL, San Juan County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Meridian Oil Inc.	Address (Give address to which approved copy of this form is to be sent) 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 Co.	Address (Give address to which approved copy of this form is to be sent) P.O. Box 4990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rgs.	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
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size SEP 23 1991
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	GAS-MCF OIL CON. DIV. DIST. 3

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (piston, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature
Leslie Kahwajy
Printed Name
9/20/91
Date
Production Analyst
Title
505-326-9700
Telephone No.

OIL CONSERVATION DIVISION

Date Approved SEP 23 1991

By
SUPERVISOR DISTRICT #3
Title

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVISION
RECEIVED

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

89 OCT 12 PM 1 09

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I. Operator Union Texas Petroleum Corporation Well API No. _____

Address P.O. Box 2120 Houston, Texas 77252-2120

Reason(s) for Filing (Check proper box)

New Well ☐ Other (Please explain) _____

Recompletion ☐ Change in Transporter of: _____

Change in Operator ☐ Oil ☒ Dry Gas ☐

Casinghead Gas ☐ Condensate ☐

If change of operator give name
and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Johnston Fed Well No. 21 Pool Name, including Formation (Pictured Cliffs) Kind of Lease State, Federal or Fee Lease No. SF078439

Location Unit Letter M 790 Feet From The S Line and 790 Feet From The W Line
Section 33 Township 31N Range 09W NMPM SAN JUAN County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Address (Give address to which approved copy of this form is to be sent)
Meridian Oil Inc. P.O. Box 4289, Farmington, NM 87499

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Co. P.O. Box 4990, Farmington, NM 87499

If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rgs. 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
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

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 Tank	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/MMCF	Gravity of Condensate
Testing Method (piston, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR 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 above is true and complete to the best of my knowledge and belief.

Signature Annette C. Bisby Env. & Reg. Sec'rtry

Printed Name 8-4-89 Title (713) 968-4012

Date _____ Telephone No. _____

OIL CONSERVATION DIVISION

Date Approved AUG 28 1989

By [Signature]
Title SUPERVISION DISTRICT # 3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE JULY 23, 1986

(13)

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

GAS FROM UNION TEXAS PETROLEUM
OperatorJOHNSTON FEDERAL #21
Well Name95-907-01
Meter Code22710-01
Site CodeM
Well Unit33-31-9
S-T-RBLANCO PICTURED CLIFFS
PoolEL PASO NATURAL GAS
Name of PurchaserWAS MADE ON JULY 8, 1986,
DateFIRST DELIVERY JULY 11, 1986
DateAOF 1815CHOKE 1786EL PASO NATURAL GAS
PurchaserSheri Underwood
Representative_____
Titlecc: OPERATOR
OIL CONSERVATION COMMISSION (2)
PRODUCTION CONTROL - El Paso
LEASE DEVELOPMENT - El Paso
CONTRACT ADMINISTRATION - El Paso
FileF
C45
COIJUL 23 1986
OIL CONSERVATION COMMISSION
DST

NO. OF COPIES REQUESTED	
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SANTA FE	10
FILE	10
MAIL	1
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PERMITS OFFICE	

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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

RECEIVED
DEC 05 1985
OIL CON. DIV.
DIST. 3

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator
Union Texas Petroleum Corporation

Address
375 U.S. Highway 64, Farmington, New Mexico 87401

Reason(s) for filing (Check proper box)		Other (Please explain)
<input checked="" type="checkbox"/> New Well	Change in Transporter at: <input type="checkbox"/> Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/> Condensate Gas <input type="checkbox"/> Condensate	
<input type="checkbox"/> Recompletion		
<input type="checkbox"/> Change in Ownership		

If change of ownership give name
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name Johnston Federal	Well No. 21	Pool Name, including Formation Pictured Cliffs	Kind of Lease Federal State, Federal or Free	Lease No. SF 078
Location Unit Letter <u>M</u> : <u>790</u> Feet From The <u>South</u> Line and <u>790</u> Feet From The <u>West</u> Line of Section <u>33</u> Township <u>31 North</u> Range <u>9 West</u> , NMPM, San Juan County				

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/> Conoco Inc.	Address (Give address to which approved copy of this form is to be sent) PO Box 1429, Bloomfield, N.M. 87413
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Co.	Address (Give address to which approved copy of this form is to be sent) PO Box 4990, Farmington, NM 87499
If well produces oil or liquids, give location of tanks. Unit <u>M</u> Sec. <u>33</u> Twp. <u>31</u> Rge. <u>9</u>	Is gas actually connected? <u>No</u> When <u>Approximately 12-15-85</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

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.

L. R. La Flette
(Signature)
Regulatory Technician
(Title)
12-4-85
(Date)

12-11-85
OIL CONSERVATION DIVISION
APPROVED [Signature] DEC 11 1985
BY [Signature]
TITLE [Signature] SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or deeper
well, this form must be accompanied by a tabulation of the deviat
tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for all
able on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of own
well name or number, or transporter, or other such change of conditi
Separate Forms C-104 must be filed for each pool in multi
completed wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Recv.	Drill
Date Spudded 10-10-85	Date Compl. Ready to Prod. 10-18-85		X	X					
Elevations (DF, RKB, RT, GR, etc.) 6453' GR		Name of Producing Formation Pictured Cliffs		Total Depth 3430'		P.B.T.D. 3382'			
Perforations 3259', 60', 65', 66', 67', 68', 69', 70', 71', 72', 76', and 3277'				Top Oil/Gas Pay 3210'		Tubing Depth N/A		Depth Casing Shoe 3403'	

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	8-5/8" 24#	299	325 cu. ft.
7-7/8"	2-7/8" 6.5#	-	-
6-3/4"	2-7/8" 6.5#	3403'	1631 cu. ft.

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

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

AS WELL

Actual Prod. Test - MCF/D 1786	Length of Test 3 hrs	Bbls. Condensate/MCF 0	Gravity of Condensate 0
Setting Method (pump, back pr.) Back Pressure	Tubing Pressure (Shut-In) N/A	Casing Pressure (Shut-In) 1100	Choke Size 3/4"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED

SF-078439

IF INDIAN, ALLOTTEE OR TRIBE NAME

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CONVR. ☐ Other ☐

DEC 06 1985

3. NAME OF OPERATOR
Union Texas Petroleum Corporation

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

Johnston Federal

4. ADDRESS OF OPERATOR
375 U.S. Highway 64 - Farmington, New Mexico 87401

9. WELL NO.

21

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

At surface 790' FSL and 790' FWL

At top prod. interval reported below

At total depth

10. FIELD AND POOL, OR WILDCAT

Blanco Pictured Cliffs

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

Sec.33, T31N, R9W, NMPM

12. COUNTY OR PARISH
San Juan

13. STATE
N. M.

15. DATE SPUDDED 10-10-85 16. DATE T.D. REACHED 10-14-85 17. DATE COMPL. (Ready to prod.) 10/18/85 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6453' GR 19. ELEV. CASINGHEAD 6458'

20. TOTAL DEPTH, MD & TVD 3430' 21. PLUG BACK T.D., MD & TVD 3382 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVAL DRILLED BY → 0-3430 24. ROTARY TOOLS CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3259' - 3277' Pictured Cliffs 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL w/GR; CDL-CNL w/cal 27. WAS WELL CORED No

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	299'	12-1/4"	See Attached Supplement	
			7-7/8"to3230'		
2-7/8"	6.5#	3403'	6-3/4"to3430'		

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					none		

1. PERFORATION RECORD (Interval, size and number),		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
See Attached Supplement		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		See attached supplement	

3. PRODUCTION							
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10-10-85	Flowing	S.I.					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-14-85	3	3/4"	→	0	223	0	N/A
AV. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
N/A	140 Flowing	→	0	1786	0	N/A	

4. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Connie Clevenger

5. LIST OF ATTACHMENTS Items 28,31 and 32

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

SIGNED L.R. L. L. L. TITLE Regulatory Technician DATE 12-2-85

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

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.
Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Shale	1981' 2012' 2955' 3210' 3370'	1992' 2032' 2994' 3240' 3408'	Water Water Water-Gas Gas Water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Shale	1981 2012 2955 3210 3370	

Supplement to Completion Report

Johnston Federal #21

Item #28: Cementing Record

1. Cemented 8-5/8" casing with 275 sks (325 cuft) Class B, 2% CaCl₂, 1/4# flocele/sk and circulated 15 BBL cement to surface.
2. Cemented 2-7/8" long string with 520 sks (1492 cuft) 65/35 poz, 12% Gel, 12-1/4# Gilsonite/sk, followed by 100 sks (139 cuft) 50/50 poz, 2% Gel, 6-1/4# Gilsonite/sk., 10# salt/sk., and circulated 15 BBL cement to surface.

Item #31: Perforation

1. Perforated Pictured Cliffs with 12 shots, at 3259', 60', 65', 66', 68', 69', 70', 71', 72', 76', and 3277'; broke down perforations with 1 BBL 7-1/2% Acetic Acid on plug.

Item # 32: Treatment

1. Spearheaded fracture with 700 gal 15% HCL, and foam fractured Pictured Cliffs formation with 46,800 gal 70% quality foam w/60,000 lbs. 20/40 mesh sand.

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special		Test Date 11/14/85	
Company Union Texas Petroleum		Connection El Paso Natural Gas Co.	
Pool Blanco		Formation Pictured Cliffs	
Completion Date 10/18/85		Total Depth 3430	Plug Back TD 3391
Csg. Size 2.875		WI. 6.50	Set At 3403
Perforations: From 3259 To 3277		Elevation 64536.2	
Tbg. Size no tubing		Set At	Perforations: From To
Type Well - Single - Bradenhead G.G. or G.O. Multiple Single		Packer Set At N/A	Form or Lease Name Johnston Federal
Producing Thru Casing		Reservoir Temp. °F	Mean Annual Temp. °F
Baro. Press. - P _g 12		Well No. 21	
L 3247		H 0	G _g 0.650
% CO ₂		% N ₂	% H ₂ S
Prover		Meter Run	Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI	2		3/4"						1100		7 days
1.									140	81°	3 hours
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		152	0.9804	0.9608	1.009	1786
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _i ²	P _w ²	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1		152	23,104	1,213,440	1.0190	1.0161
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n = 1815$

Absolute Open Flow	Mcf/d @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:			
Approved By Division			
Conducted By: Donnie Clements		Checked By:	

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back into different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. SF - 078439	
2. NAME OF OPERATOR Union Texas Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 375 U.S. Highway 64 - Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 790' FSL and 790 FWL		8. FARM OR LEASE NAME Johnson Federal	
5. ELEVATIONS (Show whether SP, FT, CL, etc.) 6453' GR		9. WELL NO. 21	
10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs		11. SEC., T., R., OR S.W. AND SURVEY OR AREA Sec. 33, T31N, R9W, NMPV	
12. COUNTY OR PARISH San Juan		13. STATE NM	

RECEIVED

OCT 30 1985

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 PLANE ☐

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.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and 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.)

1. Spudded 12-1/4" surface hole at 4:45 pm, 10-10-85.
2. Drilled 12-1/4" surface hole to 311' RKB.
3. Ran 7 joints of 8-5/8" 24# J-55 St&C casing, set at 299' RKB.
4. Cemented with 275 sks (325 cuft) Class B, 2% CaCl₂, 1/4# flocele/sk and circulated 15 BBL cement to surface. Plug down at 12:15 am. W.O.C.
5. Test casing to 1000 psi. Held 30 min. okay!
6. Drill 7-7/8" hole to 3230', trip to change to 6-3/4" bit; drill 6-3/4" hole to 3430' T.D. Reach T.D. on 10-14-85.
7. Logged hole with Dil From 3438' to 312' and CDL-CNL-CAL GR from 3441' to 2000'.
8. Ran 109 joints, 2-7/8" 6.5# N-80 casing loded at 3403' KB with float collar at 3394' KB.
9. Cemented 2-7/8" long string with 520 sks (1492 cuft) 65/35 poz, 12% Gel, 12-1/4# Gilsonite/sk, followed by 100 sks (139 cuft) 50/50 poz, 2% Gel, 6-1/4# Gilsonite/sk., 10# salt/sk., and circulated 15 BBL cement to surface. Plug down at 12:15 am.
10. Spotted 1 BBL 7-1/2 acetic acid on top of plug and pressure tested to 4000 psi.

I hereby certify that the foregoing is true and correct

SIGNED L. B. La FolletteTITLE Regulatory TechnicianDATE 10-24-85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE 1985

NOV 31 1985

OIL CON. DIV

*See Instructions on Reverse Side

NMOC

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1290, Farmington, New Mexico 87499

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

At surface

790' FSL; 790' FWL

At proposed prod. zone Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

9 miles Northeast of Atzac, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

790'

16. NO. OF ACRES IN LEASE

2434.23

17. NO. OF ACRES ASSIGNED TO THIS WELL

SW/4 157.96

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

660'

19. PROPOSED DEPTH

3430'

20. ROTARY OR CABLE TOOLS

Rotary

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

6453 GR (Ungraded)

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

22. APPROX. DATE WORK WILL START

April 25, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9-7/8	New 7-5/8"H-40	26.40#	(+) 300'	226 cu.ft. CL "B" 2% CaCl
6-3/4	New 2-7/8"J-55	6.50#	(+) 3430'	(see below)

Proposed Production String Cement:

Cement with approximately 1101 cu.ft. of 50-50 poz mix with 2% Gel, 625# of Kolite, 10% salt followed by 120 cu.ft. of CL "B" cement to circulate to the surface.

It is requested that this well be approved to the above described program. The well will be perforated and fractured in the Pictured Cliff zone and cleaned up. The wellhead will be nipples down as a tubingless completion and connected to a gathering system.

This gas has previously been dedicated to a transporter.

RECEIVED
OCT 07 1985
OIL CON. DIV.
DIST. DIV.

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

R. D. Motto

TITLE

Area Operations Manager

DATE

April 9, 1985

(This space for Federal or State office use)

APPROVED
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

OCT 02 1985

CONDITIONS OF APPROVAL, IF ANY:

/s/ J. Stan McKee

for M. MILLENBACH
AREA MANAGER

NMO

*See Instructions On Reverse Side

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

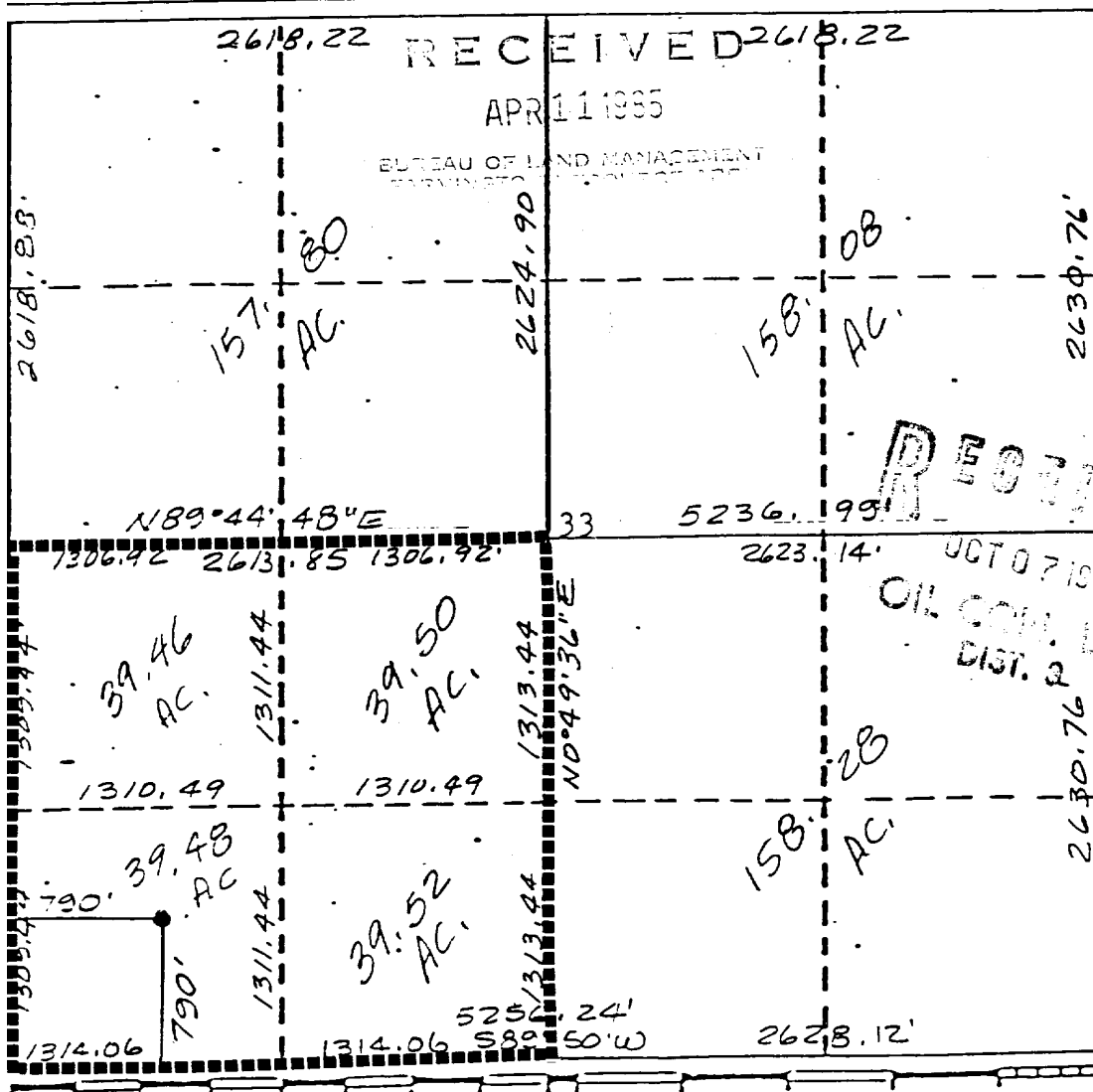
Operator UNION TEXAS PETROLEUM CORPORATION			Lease JOHNSTON FED		Well No. 21
Well Letter M	Section 33	Township 31 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well 790 feet from the SOUTH line and 790 feet from the WEST line					
Ground Level Elev. 6453	Producing Formation Pictured Cliffs	Pool Blanco EXT	Dedicated Acreage SW/4 157.96		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to work interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

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

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

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. S89°37'W 5236.44'



CERTIFICATION

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

Rudy D. Motto
 Name Rudy D. Motto
 Position Area Operations Manager
 Company Union Texas Petroleum
 Date April 9, 1985

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

George R. Tompkins
 Date Surveyed February 12, 1985
 Registered Professional Engineer and/or Land Surveyor

George R. Tompkins

Certificate No. 7259