

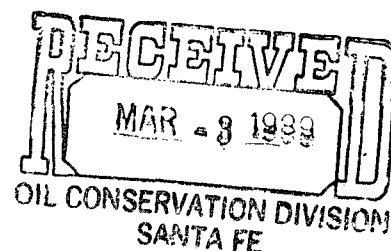


Union Texas Petroleum

1330 Post Oak Blvd.
P.O. Box 2120
Houston, Texas 77252-2120
(713) 623-6544

February 21, 1989

William J. LeMay - Director
New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87504



Re: Johnston Federal 15 - Sec. 35-31N-9W
Johnston Federal 16 - Sec. 33-31N-9W
San Juan County, New Mexico

Dear Mr. LeMay:

The two wells listed above are currently completed in the Blanco Pictured Cliffs Field. We are planning recompletions to the Fruitland Coal formation but spacing rules place the existing well bores in unorthodox locations.

We request approval for exception to unorthodox location for both wells.

Attached for your information are two C-102's reflecting the location of each well.

Please contact me at 713/ 968-4004 at your earliest convenience concerning this request.

Best regards,

Ken White
Regulatory Permit Coordinator

KEW/pp
Attachments



Union Texas Petroleum

1330 Post Oak Blvd.
P.O. Box 2120
Houston, Texas 77252-2120
(713) 623-6544

OFFSET OPERATORS

JOHNSTON FEDERAL 15 & 16

El Paso Natural Gas Company
P.O. Box 4990
Farmington, New Mexico 87401

Tenneco Oil Co.
P.O. Box 3249
Englewood, Colorado 80155

Mesa Ltd., Partnership
P.O. Box 2009
Amarillo, Texas 79189

Unicon Producing Co. (Supron)
P.O. Box 2120
Houston, Texas 77252-2120
Union Texas Petroleum Subsidiary

Delhi Gas Pipeline Corporation
1700 Pacific Avenue
Dallas, Texas 75201

N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-101
Effective 1-1-65

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

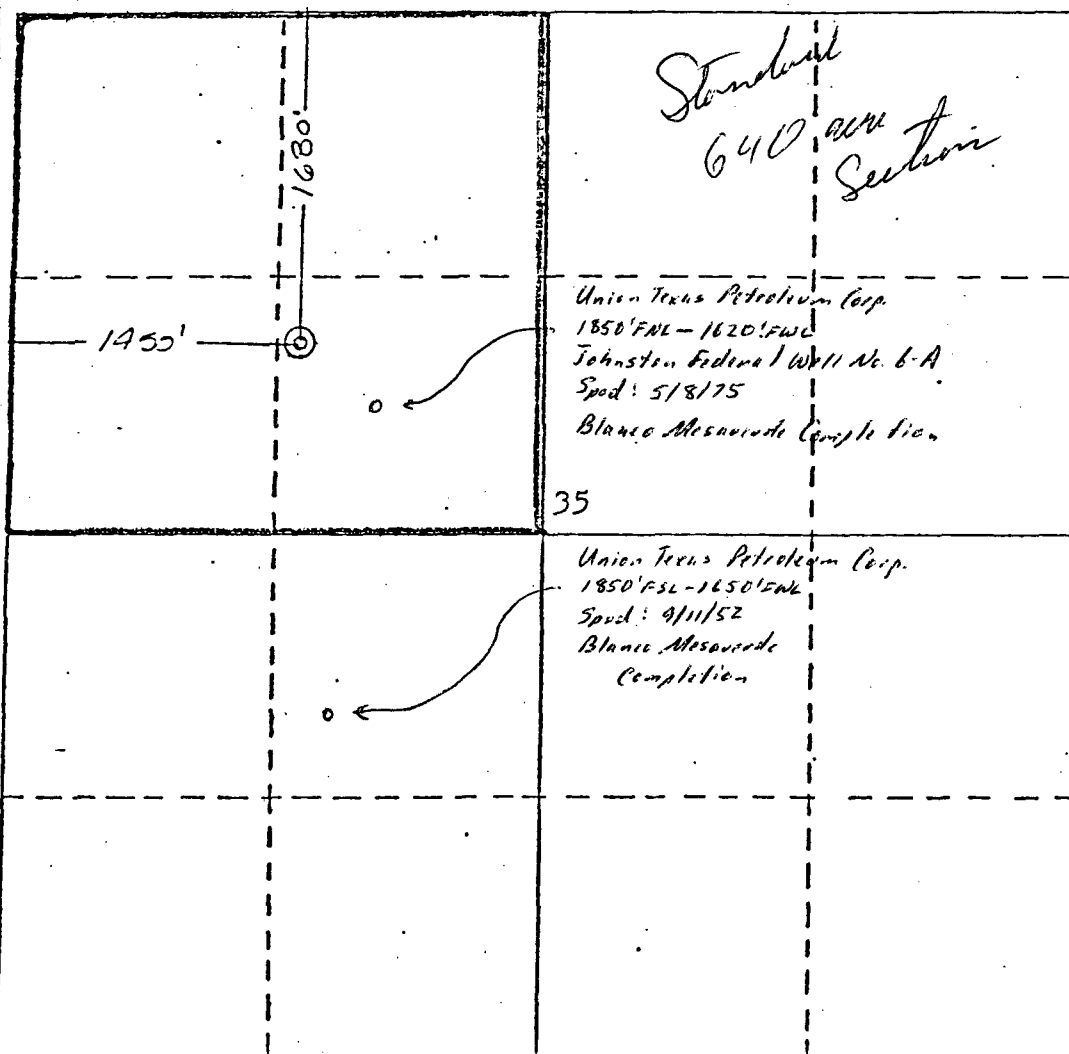
Operator UNION TEXAS PETROLEUM			Lease JOHNSTON FEDERAL		Well No. 15
Unit Letter F	Section 35	Township 31 NORTH	Range 9 WEST	County SAN JUAN	
Actual Footage Location of Well:					
1680	feet from the	NORTH	line and	1450	feet from the WEST line
Ground Level Elev. 6000	Producing Formation Pictured Cliffs		Pool Blanco Pictured Cliffs	Dedicated Acreage: 157.31 Acres	

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

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

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

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



CERTIFICATION

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

Donald B. Wells
Name **DONALD B. WELLS**

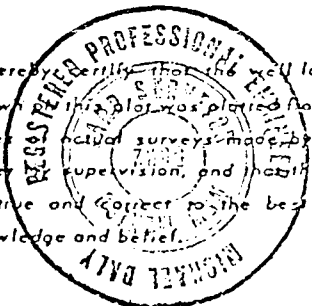
Position **District Production Mgr.**

Company **Union Texas Petro.**

Date **October 3, 1979**

Date _____

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

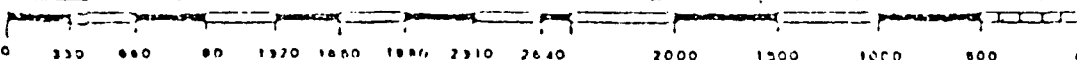


Date Surveyed
24 January 1979

Registered Professional Engineer and/or Land Surveyor

Michael Daly
Signature

Certificate No.
5992



N MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-101
Effective 1-1-65

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

Operator UNION TEXAS PETROLEUM		Lease JOHNSTON FEDERAL		Well No. 15
Unit Letter F	Section 35	Township 31 NORTH	Range 9 WEST	County SAN JUAN

Actual Footage Location of Well:

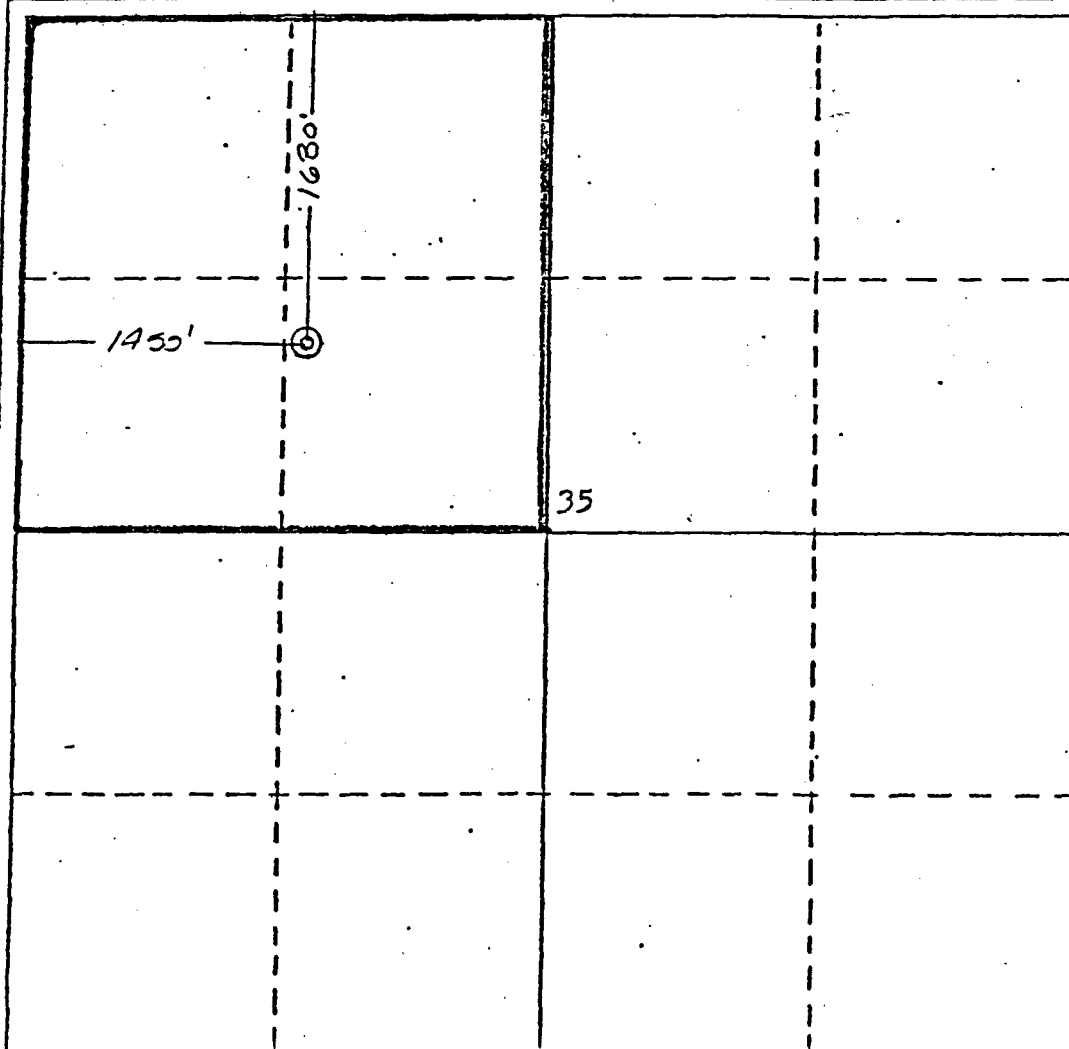
1680	feet from the NORTH line and	1450	feet from the WEST line
Ground Level Elev. 6000	Producing Formation Pictured Cliffs	Pool Blanco Pictured Cliffs	Dedicated Acreage: 157.31 Acres

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

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

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

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

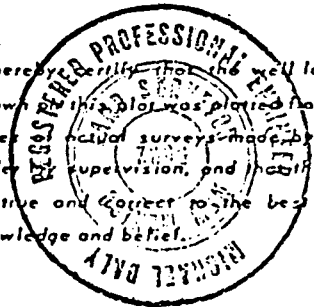


CERTIFICATION

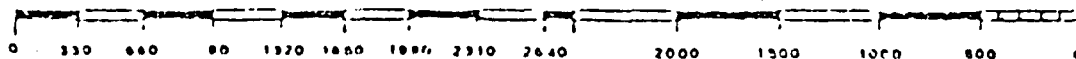
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Donald B. Wells
Name **DONALD B. WELLS**
Position **District Production Mgr.**
Company **Union Texas Petro.**
Date **October 3, 1979**

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



Date Surveyed
24 January 1979
Registered Professional Engineer
and/or Land Surveyor
Michael Daly
Certificate No. **5992**





STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 2-24-89

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____



Gentlemen:

I have examined the application dated 2-24-89
for the Union Texas Petroleum Johnston Fed 15 F-35-31N-9W
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Eric Bruch

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Union Texas Petroleum Corporation	8. FARM OR LEASE NAME Johnston Federal
3. ADDRESS OF OPERATOR 375 US Highway 64, Farmington, N.M. 87401	9. WELL NO. 15
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1680' FNL & 1450' FWL	10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs
14. PERMIT NO.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 35, T31N, R9W, N.M.P.M.
15. ELEVATIONS (Show whether OF, TO, OR, etc.) 6000' GL	12. COUNTY OR PARISH San Juan
	13. STATE New Mexico

RECEIVED

JUL 10 1986

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input checked="" type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(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.) *

1. MIRUSU. TOH w/tbg.

2. Using tbg. and pkr., determine water and gas producing intervals and whether perfs. 2792' - 2810' are communicated with perfs 2828' - 2880'.

RECEIVED
JUL 16 1986
OIL CON. DIV.
DIST. 3

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

SIGNED

P. M. PIPPIN

TITLE Sr. Petroleum Engineer

DATE 7/9/86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JUL 14 1986

FARMINGTON RESOURCE AREA

BY smm

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1290 Farmington, NM 87499

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

1680' FNL & 1450' FWL

BUREAU OF LAND MANAGEMENT
FARMINGTON, NEW MEXICO

14. PERMIT NO.

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

6000' G.L.

5. LEASE DESIGNATION AND SERIAL NO.

SF-0784-39 078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE

Johnston - Federal

9. WELL NO.

#15

10. FIELD AND POOL, or VICINITY

Blanco Pictured Cliffs

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

Sec. 35, T31-N-R9W, N.M.P.

12. COUNTY OR PARISH

San Juan

13. STATE

NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

<input checked="" type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

PULL OR ALTER CASING

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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

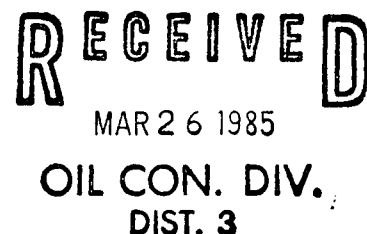
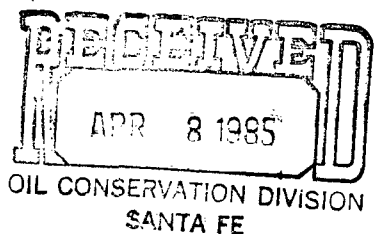
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

1. MIRUSU * TOH w/tbg.

2. Using tbg. and pkr., determine water and gas producing intervals and whether perms.
2792' - 2810' are communicated with perms 2828' - 2880'.

* Move rig when weather and road conditions permit.

Notify this office by Sundry Notice of Intent should a
squeeze operation be necessary.



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

SIGNED

P.M. Pippin
P.M. Pippin

TITLE Sr. Petroleum Engineer

ACCEPTED FOR RECORD
DATE 3/20/85

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

MAR 25 1985

FARMINGTON RESOURCE AREA

BY

JF

*See Instructions on Reverse Side

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form C-104
Revised 10-1-78

NO. OF COPIES RECEIVED	
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SALES FE	
FILE	
U.S.C.S.	
LAND OFFICE	
TRANSPORTER	
OIL	
GAS	
OPERATOR	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. OPERATOR

Operator
Union Texas Petroleum Corporation

Address
1860 Lincoln Street, Suite 1010, Denver, Colorado 80295

Reason(s) for filing (Check proper box)

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

Other (Please explain)

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Johnston Federal	Well No. 15	Pool Name, Including Formation Blanco Pictured Cliffs	Kind of Lease State, Federal or Fee Federal	Lease No. SF0784-39
Location Unit Letter <u>F</u> :1680' Feet From The <u>North</u> Line and 1450' Feet From The <u>West</u> Line of Section <u>35</u> Township <u>31N</u> Range <u>9W</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)
Plateau, Inc.	Box 159, Sullivan Rd., Littlefield, NM 87413
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas	Box 990, Farmington, NM 87401
If well produces oil or liquids, give location of tanks.	Is gas actually connected? When
	No

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> New Well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Res'v. Diff. Res'v. <input type="checkbox"/>
Date Spudded 10/27/80	Date Compl. Ready to Prod. 4/15/81
Elevations (D.F., RKB, RT, CR, etc.) 6000'GL, 6011' RKB	Name of Producing Formation Pictured Cliffs
Perforations 2792-98', 2802-10', 2878-38', 2866-68', 2874-80'	Total Depth 3200'
	Top Oil/Gas Pay 2830'
	Tubing Depth 2824'
	Depth Casing Shoe 3195'
TUBING, CASING, AND CEMENTING RECORD	
HOLE SIZE 12 1/4"	CASING & TUBING SIZE 9 5/8" csq
	DEPTH SET 308'
	SACKS CEMENT 200 sx

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, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test-MCF/D 830	Length of Test 3 hr	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (piston, back pr.) back pressure	Tubing Pressure (Shut-in) 1291#	Casing Pressure (Shut-in) 1343#	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

Signature: Thomas C. Belcher
Title: District Petroleum Engineer
Date: 5/22/81

OIL CONSERVATION DIVISION

APPROVED
BY: John S. Cherry
TITLE: SUPERVISOR DISTRICT #2

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.

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 _____		3. LEASE DESIGNATION AND SERIAL NO. SF 0784-39	
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 _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Union Texas Petroleum Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1860 Lincoln St., Suite 1010, Denver, Colorado 80202		8. FARM OR LEASE NAME Johnston-Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1680' FNL & 1450' FWL At top prod. interval reported below Same At total depth Same		9. WELL NO. 15	
10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SE NW Section 35-T31N-R9W	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
14. DATE ISSUED JUN 1 1981		15. DATE SPUNDED 10/27/80	
16. DATE T.D. REACHED 11/6/80		17. DATE COMPL. (Ready to prod.) 2/19/81	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 6000' GL, 6011' RKB		19. ELEV. CASING HEAD	
20. TOTAL DEPTH, MD & TVD 3200' TD		21. PLUG, BACK T.D., MD & TVD 3145' PBD	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2792-98', 2802-10', 2828-38', 2866-68', 2874-80' - Pictured Cliffs		25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, CNL Density		27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
9-5/8"	40	308'	12-1/4"
5-1/2"	14	3196'	7-7/8"
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-3/8"	2824'	2824'	
31. PERFORATION RECORD (Interval, size and number)			
2792-98', 2802-10', 2828-38', 2866-68', 2874-80' with 1 SPF			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
2792-2880'		29,820 gal. 75% quality foam	
		30,000# 10/20 sd.	
33.* OIL CONSERVATION DIVISION SANTA FE PRODUCTION			
DATE FIRST PRODUCTION 5/1, waiting on pipeline		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	
WELL STATUS (Producing or shut-in) 5/1, waiting on pipeline connection			
DATE OF TEST 4/2/81	HOURS TESTED 3	CHOKE SIZE ---	PROD'N. FOR TEST PERIOD ---
FLOW. TUBING PRESS. 56	CASING PRESSURE 241	CALCULATED 24-HOUR RATE ---	OIL—BBL. ---
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared		TEST WITNESSED BY Joe Elledge	
35. LIST OF ATTACHMENTS Logs		ACCEPTED FOR RECORD	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED Thomas C. Belcher		TITLE District Petroleum Engr.	
DATE 5/22/1981		FARMINGTON DISTRICT	

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

NMOCC

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.

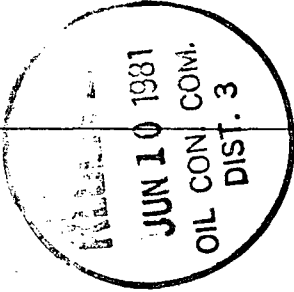
Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

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 POREOUS 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				38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
			No cores on DST's	Pictured Cliffs Ojo Alamo Fruitland	2814' -2830+ 1554' 2422 Same

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 0784-39

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Texas Petroleum

3. ADDRESS OF OPERATOR

1860 Lincoln Street, Denver, Colorado 80295

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

SE/4 NW/4 (1680' FNL & 1450' FWL)

14. PERMIT NO.

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

6000' GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Johnston-Federal

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Blanco

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

Section 35-T31N-R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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*

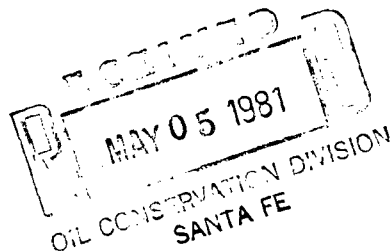
Summary of Operations

(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.)*

February - March Operations

Cleaned well up after frac. SI; waiting on potential test.



ACCEPTED FOR RECORD

APR 14 1981

FARMINGTON DISTRICT

BY



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

SIGNED

Thomas C. Belcher

TITLE

District Petroleum Engineer

DATE

April 9, 1981

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NMCCG

*See Instructions on Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

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 4-15-81	
Company Union Texas Petroleum Corp.				Connection EPNG	
Pool Blanco				Formation Pictured Cliff	
Completion Date 4-2-81		Total Depth 3196		Plug Back TD 3145	
Elevation		Farm or Lease Name Johnston-Federal			
Csq. Size 5.500	Wt. 14#	d 5.012	Set At 3196	Perforations: From 2792 To 2880	
Thq. Size 2.375	Wt. 4.7#	d 1.995	Set At 2535	Perforations: From -- To --	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F 12 est.	
Baro. Press. - P _a 12 est.		State New Mexico			
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	
FLOW DATA					
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1.	13 days				
2.	2 inch		.750		
3.					
4.					
5.					
TUBING DATA					
	Press. p.s.i.g.	Temp. °F			
	1291				
	56	60			
CASING DATA					
	Press. p.s.i.g.	Temp. °F			
	1343				
	241				
Duration of Flow 3 hrs.					
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g
1.	12.3650		68	1.000	.9806
2.					
3.					
4.					
5.					
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mc'/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R
P _c 1355 P _c ² 1836025					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0361$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.03061$
1.		253	64009	1772016	
2.					
3.					
4.					
5.					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 858$					
Absolute Open Flow _____ Mcfd @ 15.025				Angle of Slope @ _____ Slope, n .85	
Remarks:					
Approved By Division		Conducted By: Joe Elledge		Calculated By: Joe Elledge	
				Checked By: Donald B. Wells	

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 0784-39

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Johnston-Federal

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Blanco

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

Section 35-T31N-R9W

14. PERMIT NO.

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

6000' GL

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

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*

WELL STATUS

X

(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.)

TD 3200'. 5-1/2" casing set at 3196'. PBSD 3145'. Perforated 2792-98', 2802-10' with 1 SPF. Acidized w/750 gals. 15% HCL. ISIP-700 psi; 5 min.-450 psi. Foam fraced 2792-98', 2802-10' with 6552 75 quality foam and 3840# 10/20 sand. Sanded off at 3700 psi w/3500# sand in formation.

Presently cleaning up after frac and flow testing.



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

SIGNED

S.A. Hiroaka

TITLE

Petroleum Engineer

DATE 1/22/81

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

JAN 29 1981

NMOCC

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Johnston-Federal

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Blanco-Pictured Cliffs

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

Section 35-T31N-R9W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Union Texas Petroleum

3. ADDRESS OF OPERATOR

Suite 1010, 1860 Lincoln Street, Denver, Colorado 80295

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

At surface

SE NW Section 35 (1680' FNL & 1450' FWL)

14. PERMIT NO.

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

6000' GL

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Well Status

X

(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.)*

Presently waiting on completion tools. TD 3200' w/5-1/2" casing at 3196'.

RECEIVED

DEC 23 1980

U. S. GEOLOGICAL SURVEY

JAN 27 1981

OIL CONSERVATION DIVISION
SANTA FE



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

SIGNED

S. A. Hirasaka

TITLE

Petroleum Engineer

DATE

December 23, 1980

(This space for Federal or State office use)

APPROVED BY

JAN 08 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON DISTRICT

BY

RW

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

JOHNSTON-FEDERAL

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

BLANCO-PICTURED CLIFFS

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

SECTION 35-T31N-R9W

14. PERMIT NO.

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

6000' GL

12. COUNTY OR PARISH

SAN JUAN

13. STATE

NEW MEXICO

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.)*

1. The subject well was spudded 10/27/80.
2. Drilled 12- $\frac{1}{4}$ " hole to 315'.
3. 9 5/8", 40#, used casing was run and set at 308' with 200 sx. class "B" cement + 2% CaCl. Circulated 10 Bbl. cement to surface.
4. Drilled 7 7/8" hole to 3200' (TD reached on 11/6/80).
5. Ran IES and CNL-Density Logs.
6. 5 $\frac{1}{4}$ ", 14#, K-55, STC casing was set at 3,196' and cemented with 325 sx. Lite + 6 $\frac{1}{4}$ # gilsonite and .4% Halad 22A, followed by 200 sx. 50/50 poz with 10% salt, and .75% CFR-2.
7. Presently waiting on completion tools.

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

SIGNED

S.A. Heraska

TITLE

DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

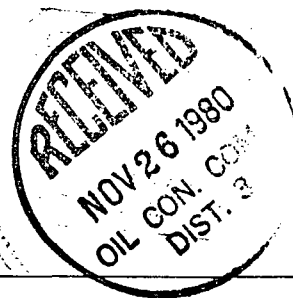
TITLE

DATE

FARMINGTON COPY

*See Instructions on Reverse Side

NMOCC



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF 078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Johnston-Federal

9. WELL NO.

15

10. FIELD AND POOL, OR WILDCAT

Blanco Pictured Cliffs

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

Section 35-T31N-R9W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

1.

OIL ☐ GAS ☒
WELL WELL OTHER

2. NAME OF OPERATOR

Union Texas Petroleum Corporation

3. ADDRESS OF OPERATOR

1860 Lincoln Street, #1010, Denver, Colorado 80295

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

SE NW Section 35-T31N-R9W (1680' FNL & 1450' FWL)

14. PERMIT NO.

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

6000' GL

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

Well Status

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.)*

1. The subject well was spudded 10-27-80.

2. Drilled 12-1/4" hole to 315'.

3. 9-5/8", 40#, used casing was run and set at 308' w/200 sx. class "B" cement with 2% CaCl. Circulated 10 bbl. cement to surface.

4. Presently drilling 7-7/8" hole at 2,730'.

RECEIVED

NOV 11 1980

NOV 18 1980

OIL CONSERVATION DIVISION
SANTA FE



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

SIGNED

S. A. Arns

TITLE

Petroleum Engineer

DATE

11-3-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

BY

BW

*See Instructions on Reverse Side

RECEIVED COPY

NMOCC

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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, A Div. of Allied Chemical Corp.

3. ADDRESS OF OPERATOR

1860 Lincoln St., #1010, Denver, Colorado 80295

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

At surface

F SE NW Sec. 35-T31N-R9W (1680' FNL, 1450' FWL)

At proposed prod. zone

SAME

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

Approx. 13 miles northeast of Aztec, N. Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

2446.6

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

3200

17. NO. OF ACRES ASSIGNED
TO THIS WELL

157.31

20. ROTARY OR CABLE TOOLS

Rotary

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

6000 GL

22. APPROX. DATE WORK WILL START*

Nov. 15, 1979

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	300	200 sx.
7-7/8	5-1/2	14	3200	800 sx.

Plan to drill well as follows:

1. MIRU rotary tools. Drill 12-1/4" hole to 300'.
2. Set 8-5/8" OD 24#/ft K-55 new casing at 300' and cement with sufficient cement to circulate to surface.
3. Drill 7-7/8" hole to approximately 3200' and log.
4. Set 5-1/2" OD 14#/ft. K-55 new casing at T.D. and cement with sufficient cement to circulate to surface.
5. Based on logs perforate and complete in Pictured Cliffs Formation.
6. Stimulate if necessary.
7. Clean up well site.
8. Approximately 8 days will be required to drill this well.
9. Gas is dedicated to El Paso Natural Gas Company.
10. Surface formation is San Jose.

(continued on other side)

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

C W Claxton
C. W. CLAXTON

TITLE

Dist. Petro. Engineer

DATE

Oct. 3, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ok Frank

NMOCC

write NWU

*See Instructions On Reverse Side

30-095-23883

5. LEASE DESIGNATION AND SERIAL NO.

SF 078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Johnston Federal

9. WELL NO.

#15

10. FIELD AND POOL, OR WILDCAT

Wildcat
Blanco Pictured Cliff11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 35-T31N-R9W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

Form C-102
Supersedes C-121
Effective 1-1-65

Michael Daly
Certificate No. 5992

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

11. Top of Pictured Cliffs is anticipated at 3000'.
12. Mud Program:
 - 0-300' - Spud mud
 - 300-2800 - Clear water (8.4 to 8.8#/gal.)
 - 2800-TD - Gelled water (9.3 to 10#/gal.)
13. No cores or drill stem tests anticipated.
14. Logs to be run
 - Compensated Formation Density - Gamma Ray
 - Dual Induction Log
 - Deviation (single shot)
15. While drilling the well will be equipped with a double ram stack with a rotating head (3000# rating).

SURFACE USE PLAN

UNION TEXAS PETROLEUM'S
Johnston-Federal #15 (1680'FNL, 1450'FWL)
Section 35-T31N-R9W
Lease SF 078439
San Juan County, New Mexico

This plan is to accompany "Application for Permit to Drill" for the above mentioned well.

The following is a discussion of pertinent information concerning possible effect which the proposed drilling of the well may have on the environment of the surrounding acreage. A copy will be posted on the derrick floor so that all contractors and subcontractors will be aware of all items of of this plan.

1. AREAL ROAD MAP - Exhibit "A" is a portion of a USGS topographic map, San Juan County, New Mexico, showing existing roads. Location is approximately 13 miles northeast from Aztec, New Mexico. Turn east (right) on Hart Canyon Road and continue approximately 11 miles to site.
2. LOCATION OF EXISTING WELLS. Several wells have been drilled in a two mile radius and are shown on Exhibit "B".
3. PROPOSED WELL MAT AND IMMEDIATE AREA. Refer to Exhibit "C" for direction orientation and road access.
 - a. Mat size - 230' x 150' (approximately).
 - b. Surface - Will be native soil, bladed, watered and capped with clay only when necessary.
 - c. Reserve pit - 75' x 75' unlined pit, joining mat to the north.
 - d. Cut & fill - Location is almost flat. Less than 1' of cut & fill is anticipated.
 - e. Drill Site Layout- Exhibit "C" shows position of mat, reserve pits, burn pits, trash pits, and mud pits in relation to the well bore. Rig will be erected with the V-Door to the east. Well mat will adjoin existing road to the south.
 - f. Setting & Environment -
 - (1) Terrain - See Exhibit "A", topographic map of area. The area around the proposed well is almost flat.
 - (2) Soil - Extremely sandy soil.

RECEIVED

OCT 05 1979

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

f. Setting & Environment (continued)

- (3) Vegetation - Sagebrush, scattered juniper.
- (4) Surface Use - Unknown, possibly used for grazing.
- (5) Other - Drill site, which is almost flat in semi arid desert country, is in a low environmental risk area. The total effect of drilling and producing this and other wells in this area would be minimal.

g. Distances to:

- (1) Ponds and Streams- No ponds or streams in the area.
- (2) Water Wells - No water well or windmill could be seen within 1/2 mile.
- (3) Residences and Buildings - There are no houses or buildings within 1/2 mile.
- (4) Arroyos, Canyons, etc. - See Exhibit "A". Well is located in Little Pump Canyon. There is a seasonal draw approx. 200' to the south.

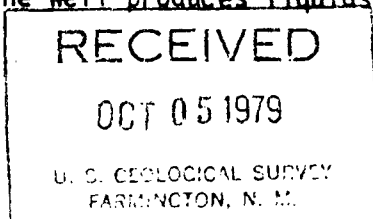
h. Well Sign - Sign identifying and locating well will be maintained at drill site with the spudding of the well.

i. Open Pits - All pits containing mud or other liquids will be fenced.

4. ROADS

- a. Existing Roads - All existing roads within one mile of the location are shown on Exhibit "A".
- b. Planned Roads - No new roads will be constructed. Location will adjoin existing road to the south.
- c. Fences, Gates and Cattleguards - None.

5. TANK BATTERY - Well is anticipated to produce dry gas, but in the event ~~the well produces liquids~~, a tank battery will be erected on the pad.



6. LEASE PIPELINES

- a. Existing - Not furnished by the Operator, to be connected by El Paso Natural Gas Company.
- b. Planned - If production is encountered, all lease lines are to be constructed on the well mat.

- 7. WASTE DISPOSAL- Well cuttings will be disposed in a reserve pit. Barrel trash containers to be in accessible locations within drill site area during drilling and completion procedures. All detrimental waste will be hauled away, burned or buried with a minimum cover of 24" dirt. See Exhibit "C" for location of pits. If well is productive, maintenance waste will be placed in special trash cans and hauled away periodically. No produced water is anticipated.
- 8. WATER SUPPLY - Supply water will be hauled from the San Juan River or nearest wash.
- 9. ARCHAEOLOGICAL RESOURCES - A copy of the report prepared by the Division of Conservation of Archaeology in Farmington, New Mexico is attached.
- 10. RESTORATION OF SURFACE - Pits will be backfilled and leveled as soon as practical to original condition.
- 11. OPERATOR'S REPRESENTATIVE - Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Production & Drilling

Donald B. Wells
1860 Lincoln St., Suite 1010
Denver, Colorado 80295

Office Phone: (303) 839-5528
Home Phone: (303) 979-4872

C. W. Claxton
1860 Lincoln St., Suite 1010
Denver, Colorado 80295

Office Phone: (303) 839-5528
Home Phone: (303) 770-7433

12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Union Texas Petroleum and its contractors and sub-contractors will conform to this plan and the terms and conditions under which it is approved.

10/1/89
DATE

Donald B. Wells
DONALD B. WELLS
DISTRICT PRODUCTION MANAGER

BLM SEEDING REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 2

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS (*Agropyron desertorum*) - 3-1/4 lbs.

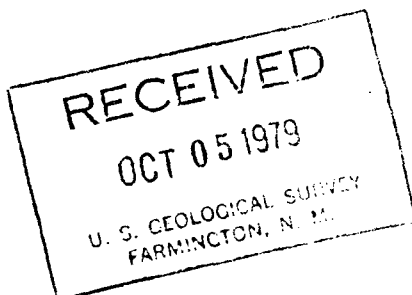
FOURWING SALTBUSH (dewinged) (*Atriplex conescens*) - 1/2 lb.

SAND DROPSEED (*Sporobolus cryptandrus*) - 3/4 lb.

ALKALI SACATON (*Sporobolus airoides*) - 3/4 lb.

BLM COLOR REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. All equipment shall be painted green to match the surrounding area. (or whatever color is designated by U.S.G.S.)

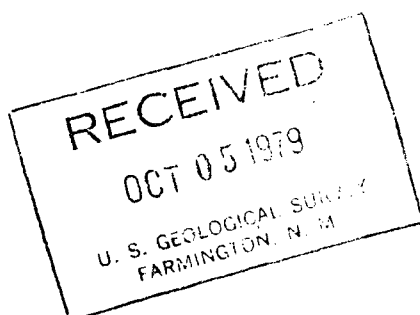


JOHNSTON FEDERAL #15

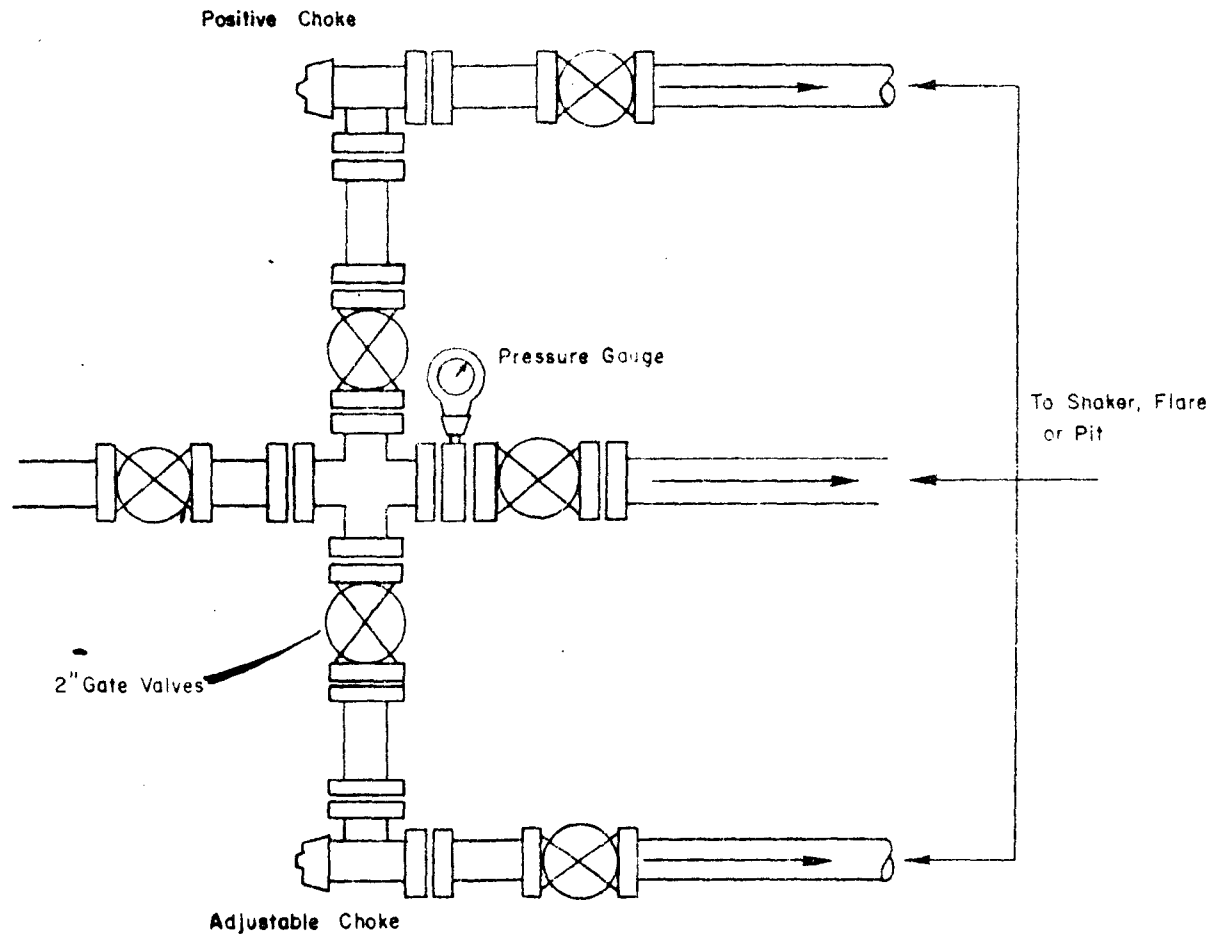
7 POINT WELL CONTROL PLAN

1. Surface casing: 8-5/8", 24#/ft., approximately 300', grade K-55, new condition.
2. Casinghead will be 10", 900 series, 3,000 psi rating.
3. Intermediate casing - Will not be required.
Production casing - 5-1/2" OD, 14#/ft., K-55, will be set at +3200' and cemented to surface casing.
4. Blowout preventers: Hydraulic, double ram, 10". One set of rams will be provided for each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2" with variable choke.
5. Auxiliary equipment:
 - (1) Kelly cock will be in use at all times.
 - (2) Stabbing valve to fit drill pipe will be present on floor at all times.
 - (3) Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
6. Anticipated bottom-hole pressure:

This is an area of known pressure. Maximum anticipated pressure at TD is 1200 psi. Anticipate no H2S gas.
7. Drilling Fluids:
 - 0-300' - Spud mud.
 - 300-3000' - Gel water - low solids as needed to maintain good conditions.
 - 3000-TD - Gel water - increase weight to 10.0#/gal. as required.



JOHNSTON FEDERAL # 15
SE-NW-sec 35 T31N-R9W

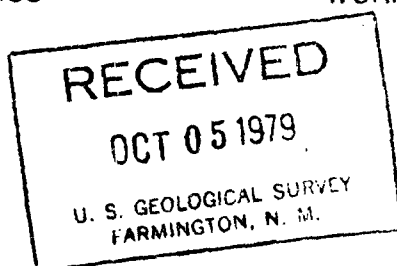


UNION TEXAS PETROLEUM
CHOKE MANIFOLD

API CLASS
3M

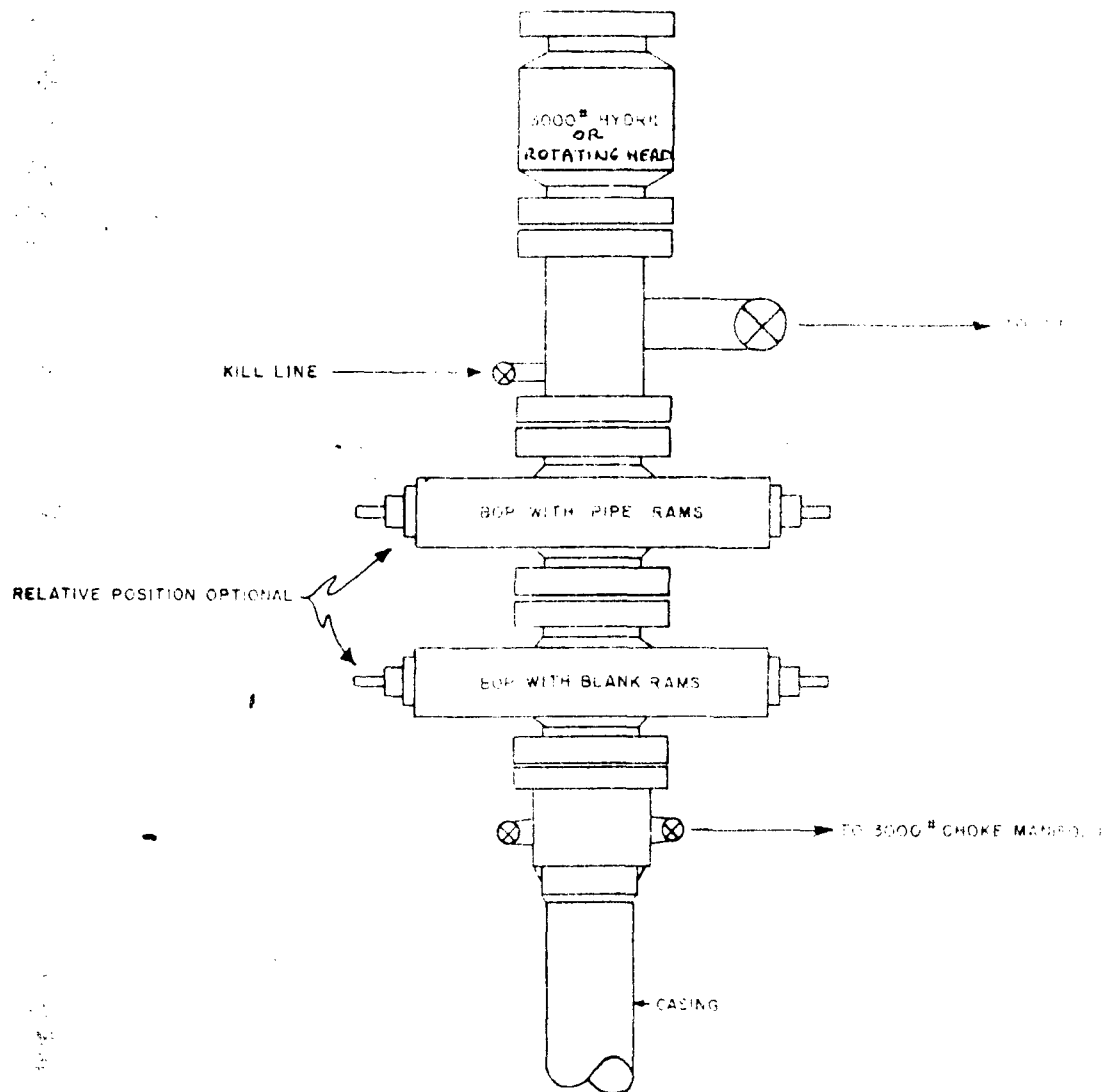
WORKING PRESSURE
3000 PSI

SERVICE CONDITION
Low Pressure



JOHNSTON FEDERAL #15

SE-NW - SEC 35 - T.31N - R.9W



RECEIVED
OCT 05 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

UNION TEXAS PETROLEUM

BLOWOUT PREVENTOR HOOK UP
3000 PSI



DIVISION OF CONSERVATION ARCHAEOLOGY

San Juan County
Museum Association

April 25, 1979

Mr. Donald B. Wells
Union Texas Petroleum Division
Suite 1122
Lincoln Tower Building
Denver, Colorado 80203

Dear Mr. Wells:

Enclosed is a copy of our archaeological clearance survey for four well pads and associated access roads located in north-eastern San Juan County on lands under the jurisdiction of the Bureau of Land Management. Since no significant prehistoric or historic remains were found, archaeological clearance is recommended. Final clearance, however, will be determined by the Bureau of Land Management office in Albuquerque upon reviewing our report.

Also enclosed is an invoice for our services. It was a pleasure working with you.

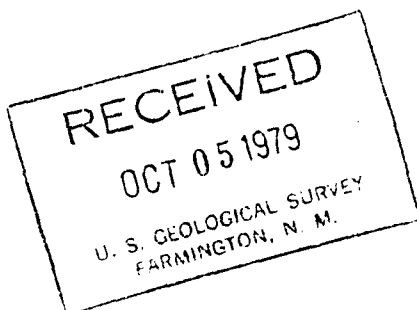
Sincerely,

Beth Laura O'Leary/ta

Beth Laura O'Leary
Supervisory Archaeologist

BLO'L/ta
Enclosures

cc: Mr. Robert Caulkins, BLM, Farmington
Mr. C. Randall Morrison, BLM, Albuquerque
Mr. Phil McGrath, USGS, Farmington
Mr. Tom Merlan, SHPO, Santa Fe
Mr. Curtis Schaafsma, Museum of New Mexico
Mr. Charles McKinney, Department of Interior



DBW	<i>[initials]</i>	JN	
ONE		RW	
SAH	<i>[initials]</i>	FILE	
		Discard	

RECEIVED
APR 30 1979
DENVER

An Archaeological Survey
of Proposed Wells in Northeastern
San Juan County, New Mexico

for

Union Texas Petroleum

Locations

Johnston Fed y-11

Johnston Federal #14

Johnston Federal #16

Johnston Federal #15

By:

Beth Laura O'Leary
Supervisory Archaeologist

Submitted by:

Meade F. Kemrer, Ph.D.
Principal Investigator

DIVISION OF CONSERVATION ARCHAEOLOGY

Contributions to Anthropology Series, No. 154
San Juan County Archaeological Research Center and Library

April 25, 1979

Abstract

An archaeological survey was performed on April 24, 1979 for Union Texas Petroleum by the Division of Conservation Archaeology of the San Juan County Archaeological Research Center and Library. The survey involved 4 well pads and associated access roads located in northeastern San Juan County, New Mexico. No significant pre-historic or historic remains were found during the survey and archaeological clearance is recommended.

Introduction

The Division of Conservation Archaeology of the San Juan County Archaeological Research Center and Library has completed an archaeological survey on lands under the jurisdiction of the Bureau of Land Management. The study areas will be impacted by the construction of 4 well pads and associated access roads.

The survey project was initiated at the request of Mr. Don Wells of the Union Texas Petroleum Company on April 16, 1979. It was administered by Mr. Wells and Dr. Meade F. Kemrer, Principal Investigator of the Division of Conservation Archaeology.

Legislation enacted by the Congress of the United States requires compliance with laws designed to protect archaeological resources. Laws such as the National Environmental Policy Act of 1969 (PL 91-852) and Executive Order No. 11593 entitled "Protection and Enhancement of the Cultural Environment" prevent enterprises which might result in the destruction or alteration of cultural resources. Federal and State governments and the professional scientific community have come to realize that the material remains of a prior culture are a limited, non-renewable part of the environment. As such, the State of New Mexico has enacted legislation regulating archaeological resources. The Cultural Properties Act is analogous in content to the National Historic Preservation Act of 1966 (PL 89-665), which provides for preservation of significant archaeological sites.

The field work was performed by Beth Laura O'Leary of the Division of Conservation Archaeology on April 24, 1979, under provisions of a Federal Antiquities Permit No. 78-NM-107. Also in the field were Mr. Don Wells, Mrs. Wells, and Mr. Danny Wood of W and C Construction, Farmington.

Field Procedures

The proposed areas to be impacted by the construction of the well pads and access roads were inspected on foot by walking closely spaced transects. In addition to the search for historic and pre-historic cultural remains, observations were made of the environment. For specific details of the study area, please refer to Figure 1, and the paragraph descriptions below.

Y-11

Legal Description: 990' F/SL, 790' F/WL, Section 7, T31N, R9W, N.M.P.M., San Juan County, New Mexico

Map Source: USGS 15' Aztec, N. Mex.

Land Jurisdiction: Bureau of Land Management

Area Surveyed: 300' x 250' (1.72 acres) -- well pad; no new road

Description: The study area is located on a sloping ridge 15 feet southwest (down slope) of an already existing well pad and access road. It is bisected by two minor arroyos which flow into Miller Canyon, approximately one and a half miles to the west. The soil is tan, loamy sand which supports vegetation consisting of scattered stands of pinyon (Pinus edulis) and juniper (Juniperus sp.), sage (Artemisia tridentata), snakeweed (Gutierrezia sp.), and blue gramma (Bouteloua gracilis). Evidence of cow, rabbit and prairie dog are present in the area.

Cultural Resources: A small crescent-shaped flake of white chert was found near the top of the ridge in the northeast section of the survey area. Another larger flake of the same material which exhibited some retouching on the ventral side was found approximately 300 feet from the first flake. An intensive visual reconnaissance within the immediate area indicated that the flakes were isolated artifacts. Since they were both located within a few feet from the access road they may have derived from the disturbed location further upslope.

Recommendation: Since the artifacts have been fully documented, there is no further research potential at this location. Therefore, archaeological clearance is recommended for Y-11 well pad.

Johnston Federal #14

Legal Description: 1610' F/NL, 1100' F/EL, Section 7, T31N, R9W, N.M.P.M., -San Juan County, New Mexico

Map Source: USGS 15' Aztec, N. Mex.

Land Jurisdiction: Bureau of Land Management

Area Surveyed: 300' x 250' (1.72 acres) -- well pad; ca. 600' x 20' (0.28 acres) -- access road

Description: The study area is located on a relatively steep slope with extensive rock cobbles, overlooking Miller Canyon. Extensive sandstone outcroppings and boulders lie to the west and south of the area. Relatively thick stands of pinyon and juniper cover the slope with an understory of prickly pear (Opuntia sp.), cholla (Opuntia imbricata), Mormon tea (Ephedra sp.), blue penstemon (Penstemon whippleanus), lupine (Lupinus argenteus), and various sparse grasses. Evidence of rabbit, deer and lizard are also present.

Cultural Resources: No prehistoric or historic remains are present.

Recommendation: Archaeological clearance is recommended for Johnston Federal #14 well pad and access road.

Johnston Federal #16

Legal Description: 820' F/NL, 1040' F/WL, Section 33, T31N, R9W, N.M.P.M., San Juan County, New Mexico

Map Source: USGS 15' Aztec, N. Mex.

Land Jurisdiction: Bureau of Land Management

Area Surveyed: 300' x 250' (1.72 acres) -- well pad; no new road

Description: The survey area is located on a gently sloping ridge overlooking Little Pump Canyon which lies to the north-northwest. The soil consists of loose, tan sand which supports predominantly sage with scattered pinyon and juniper. Evidence of cattle, rabbit and fox are present in the area.

Cultural Resources: No prehistoric or historic remains are present.

Recommendation: Archaeological clearance is recommended for Johnston Federal #16 well pad.

Johnston Federal #15

Legal Description: 1680' F/NL, 1450' F/WL, Section 35, T31N, R9W, N.M.P.M., San Juan County, New Mexico

Map Source: USGS 15' Aztec, N. Mex.

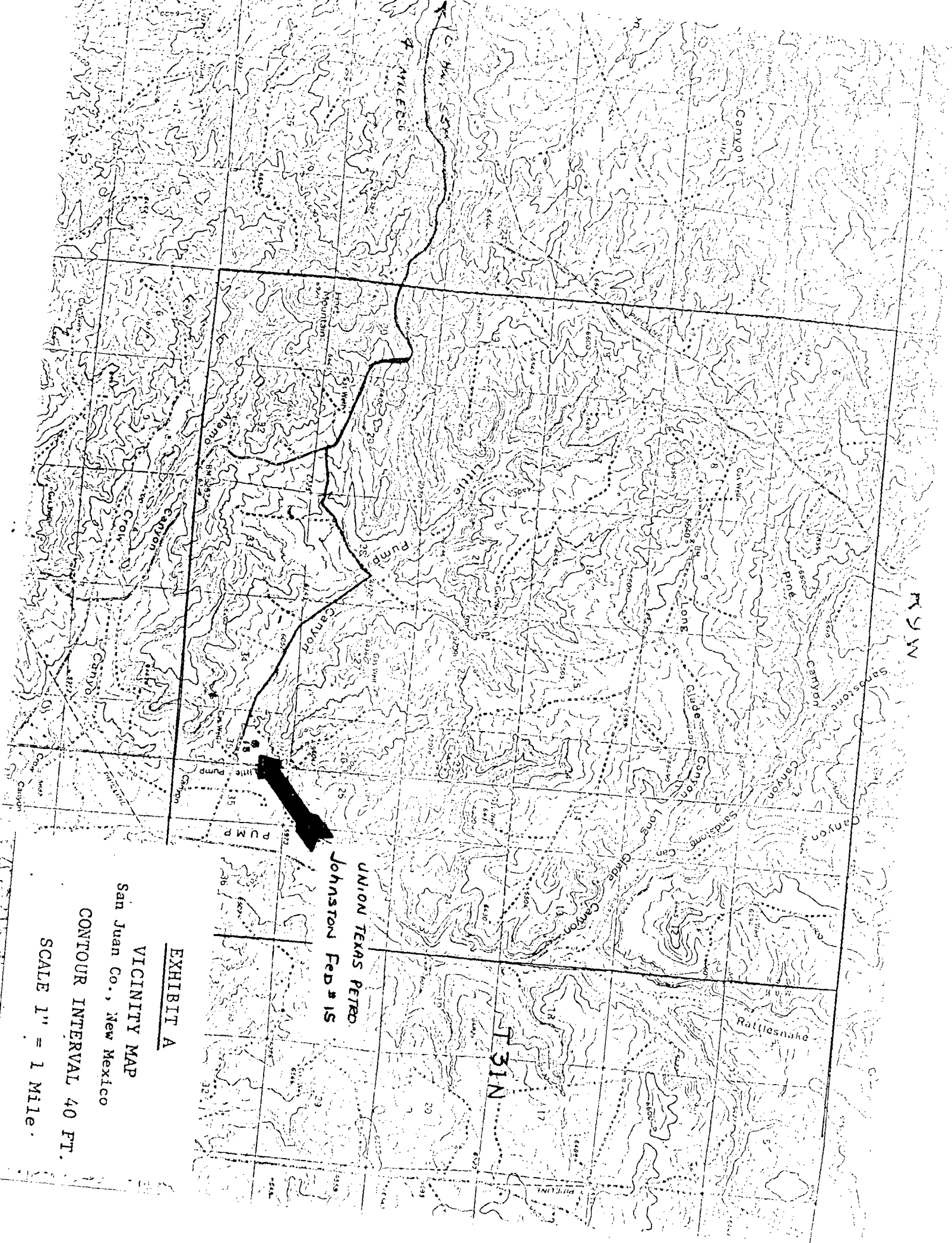
Land Jurisdiction: Bureau of Land Management

Area Surveyed: 300' x 250' (1.72 acres) -- well pad; no new road

Description: The study area is located on flat sandy bottomland at the east end of Little Pump Canyon. It adjoins, on the east, an already existing well, Johnston Federal 6A, which has already been impacted with an access road. A high sandstone bluff lies directly to the north about $\frac{1}{2}$ mile. The vegetation is predominantly sage with isolated juniper bushes and tumbleweed (Salsola kali). Evidence of rabbit and lizard are present.

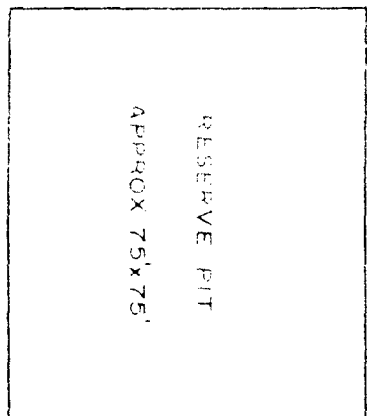
Cultural Resources: No prehistoric or historic remains are present.

Recommendation: Archaeological clearance is recommended for Johnston Federal #16.

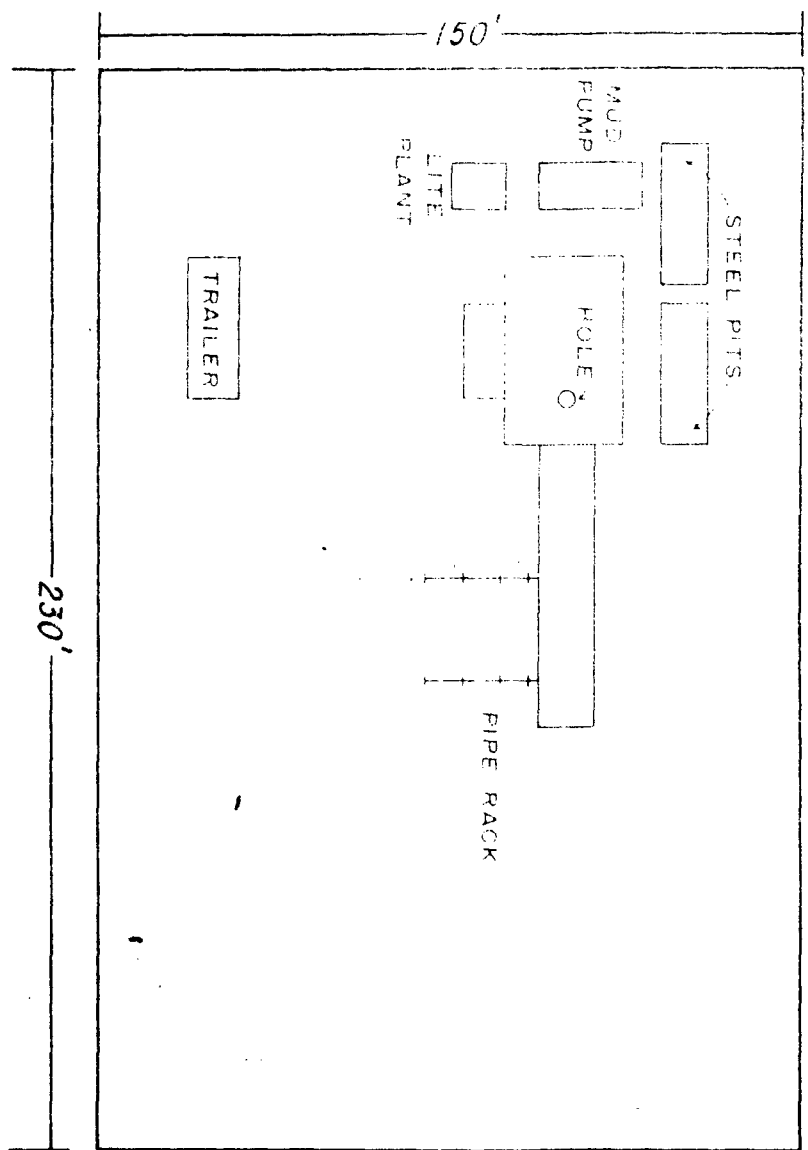


UNION TEXAS PETROLEUM
RIG LAYOUT

JOHNSON FEDERAL # 15



PAD SIZE 150'x230'



NOTE: CONTRACTOR HAS NOT BEEN
LET, SO FOOTAGES MAY VARY
SLIGHTLY

EXHIBIT "B"

AREA BASE MAP

SCALE: 1" = 4000'

UNION TEXAS PETROLEUM

* JOHNSTON FED #15

