Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse 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.)

5. LEASE DESIGNATION AND SERIAL NO.: SF-078439

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Union Texas Petroleum Corporation - Attn: Paula Priest

8. FARM OR LEASE NAME: Johnston Federal

3. ADDRESS OF OPERATOR: P.O. Box 2120, Houston, Texas 77252-2120

9. WELL NO.: 22

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1077' FNL & 1683' FEL

10. FIELD AND POOL, OR WILDCAT: BASIN Fruitland Coal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 33, 31N-9W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 6313' G.L. (graded)

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:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			
(Other)		Plug back	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.)*

Request permission to plugback the Pictured Cliffs interval and recomplete the subject well in the Fruitland Coals. Procedures attached.

RECEIVED
APR 13 1989
BLM

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

SIGNED Paula Priest TITLE Regulatory Analyst DATE 04/10/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCD

Mark Adams

*See Instructions on Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

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

Form C-102
Revised 1-1-89

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	Lease	Well No.
Union Texas Petroleum Corporation	Johnston Federal	22

Unit Letter	Section	Township	Range	County
B	33	31N	9W NMPM	San Juan

Actual Footage Location of Well:
1077 feet from the North line and 1683 feet from the East line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
6313 G.L.	Fruitland Coal	~~Blanco Pictured Cliffs~~ Basin Fruitland Coal	~~320~~ 313.92 Acres

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

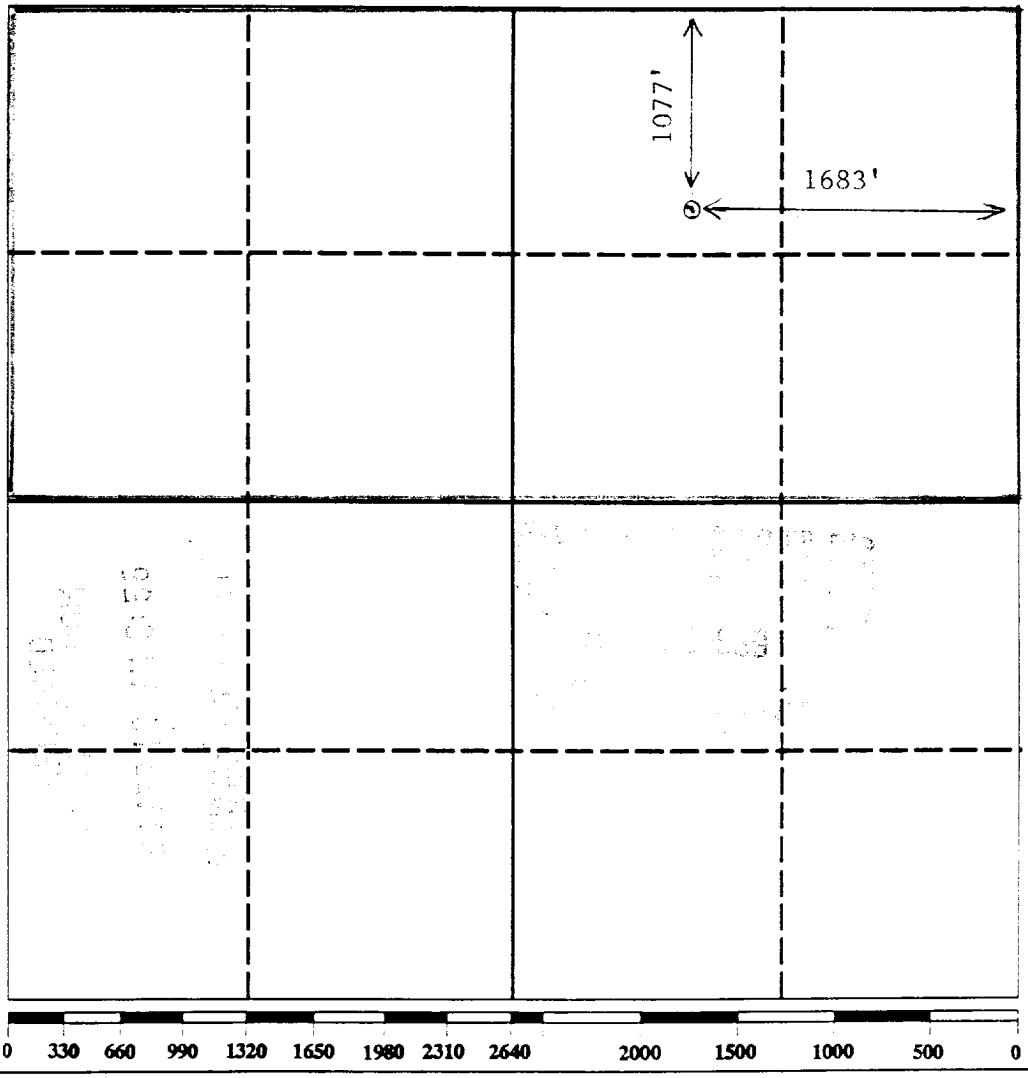
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest 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 neccessary. n/a

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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature: Paula Priest

Printed Name: Paula Priest

Position: Regulatory Analyst

Company: Union Texas Petroleum Corp.

Date: April 10, 1989

SURVEYOR CERTIFICATION

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

Date Surveyed

Signature & Seal of Professional Surveyor

Certificate No.

RECOMMENDED WORKOVER PROCEDURE

Johnston Federal #22

Location: 1077' FNL & 1683' FEL
Section 33, T31N-R9W
San Juan County, NM

Date: 2/06/89
Elevation: 6313' G.L.
Datum: KB (12' above G.L.)

Pool Formation: Blanco Pictured Cliffs

TD: 3449'
PBTD: 3407'

Pipe	Wt & Grade	Depth	Cmt	Remarks
8-5/8"	24# K-55	485'	350 sx	Circ. cmt
4-1/2"	10.5# K-55	3449'	425 sx	Circ. cmt

Original Completion

Perfed Pictured Cliffs 3145'-3187' with 2 - 0.32" SPF. Fraced with 75,000# 20/40 sand in slick water. Tested uneconomical.

Procedure

1. Test anchors, dig blow pit and lay blow lines.

2. MIRUSU. TOH with 2-3/8" tubing. Set cement retainer at 3140' on 2-3/8" and squeeze with 50 sx Class "B" cement. Pull tubing to 3118'. Pressure test casing to 4250 PSI. Pump 100 gals 7-1/2% acedic acid and displace out tubing. TOH.

3. Perf Basal Coal 3097'-3118' with 4 SPF. Total 88 holes.

4. Rig up frac tanks and frac crew to allow for mixing gel on the fly. Frac Basal Coal down 4-1/2" casing at 55 BPM with 30# crosslinked borate gel and the following sand schedule.

Stage	Fluid	Sand Size	Amount
Pad	20,000 gals		
(Fluid Loss) 1 PPG	10,000 gals	40/60	10,000#
(Fluid Loss) 2 PPG	5,000 gals	40/60	10,000#
2 PPG	10,000 gals	20/40	20,000#
3 PPG	13,000 gals	20/40	39,000#
4 PPG	10,000 gals	20/40	40,000#
5 PPG	2,000 gals	20/40	10,000#
5 PPG (resin coated & activator)	1,000 gals	16/30	5,000#
Flush	(2,075 gals)		
	71,000 gals		134,000#

Maximum pressure = 4250 PSI. Tag all sand with IR-192. Use computer van to monitor treating pressure. Have capacity to pump at 70 BPM.

5. Set top drillable BP at 3060' on wireline and pressure test to 4250 PSI. TIH with 2-3/8" tubing to 3044'. Pump 100 gals 7-1/2% acedic acid and displace out of tubing. TOH.

6. Perf Fruitland coalseams #2 and #3 at 2996'-3008', 3012'-18', 3038'-42' with 4 SPF. Total 100 holes.

7. Rig up frac tanks and frac crew to allow for mixing gel on the fly. Frac Fruitland coalseams #2 and #3 down 4-1/2" casing at 60 BPM with 30# crosslinked borate gel and the following sand schedule.

Stage	Fluid	Sand Size	Amount
Pad	20,000 gals		
(Fluid Loss) 1 PPG	10,000 gals	40/60	10,000#
(Fluid Loss) 2 PPG	5,000 gals	40/60	10,000#
2 PPG	10,000 gals	20/40	20,000#
3 PPG	13,000 gals	20/40	39,000#
4 PPG	10,000 gals	20/40	40,000#
5 PPG	2,000 gals	20/40	10,000#
5 PPG (resin coated & activator)	1,000 gals	16/30	5,000#
Flush	(2,007 gals)		
	71,000 gals		134,000#

Maximum pressure = 4250 PSI. Tag all sand with SC-46. Use computer van to monitor treating pressures. Have pump capacity to pump at 70 BPM.

8. Set top drillable BP at 2984' on wireline and pressure test to 4260 PSI. TIH with 2-3/8" tubing to 2980'. Pump 100 gals 7-1/2% acedic acid and displace out of tubing. TOH.

9. Perf Fruitland coalseams #1A and #1B at 2947'-2958' and 2971'-2980' with 4 SPF. Total 88 holes.

10. Rig up frac tanks and frac crew to allow for mixing gel on the fly. Frac Fruitland coalseams #1A and #1B down 4-1/2" casing at 55 BPM with 30# crosslinked borate gel and the following sand schedule.

Stage	Fluid	Sand Size	Amount
Pad	20,000 gals		
(Fluid Loss) 1 PPG	10,000 gals	40/60	10,000#
(Fluid Loss) 2 PPG	5,000 gals	40/60	10,000#
2 PPG	10,000 gals	20/40	20,000#
3 PPG	13,000 gals	20/40	39,000#
4 PPG	10,000 gals	20/40	40,000#
5 PPG	2,000 gals	20/40	10,000#
5 PPG (resin coated & activator)	1,000 gals	16/30	5,000#
Flush	(1,974 gals)		
	71,000 gals		134,000#

Maximum pressure = 4250 PSI. Tag all sand with IR-192. Use computer van to monitor treating pressures. Have pump capacity to pump at 70 BPM. Shut in well for 36 hours to allow resin sand to set.

11. Clean out 3rd stage to 2984' using air/mist. Obtain pitot gauges and water rates when possible.

12. Drill BP at 2984' and clean out 2nd stage to 3060' using air/mist. Obtain pitot gauges and water rates when possible.

13. Drill BP at 3060' and clean out 1st stage to PBTD 3407' using air/mist. Obtain pitot gauges and water rates when possible.

14. Land 2-3/8" tubing at 3130' with standard seating nipple one joint above open-ended bottom.

P. M. Pippin
Production Engineer

N. K. Buller
Sr. Drilling Foreman