

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. Contract 153
2. NAME OF OPERATOR Union Texas Petroleum Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
3. ADDRESS OF OPERATOR P.O. Box 2120 Houston, TX 77252-2120		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 800' FNL & 800' FEL		8. FARM OR LEASE NAME Jicarilla J
14. PERMIT NO.		9. WELL NO. 23
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6639' Gr.		10. FIELD AND POOL, OR WILDCAT Basin Blanco Mesaverde / Dakota
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 25, T26N-R5W, NMP
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>	New Zone Workover <input checked="" 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.)\*

Recommended workover procedure attached.

RECEIVED

APR 03 1990

OIL CON. DIV  
DIST. 3

Approved **MAR 21 1990**  
**Ken Townsend**

FOR Chief, District  
Minor, District  
Planning, District

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

SIGNED *Ken White*

TITLE Regulatory Permit Coord.

DATE 2/14/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

# WORKOVER DATA SHEET

WELL NAME Jicarilla J #23

DATE 01/24/90

LOCATION 800' FNL; 800' FEL  
Section 25, T26N-R5W  
Rio Arriba County, NM

DATUM KB (11' above G.L.)

ELEVATION 6639' G.L.

TOTAL DEPTH 7615'

FIELD FORMATION Blanco Mesaverde  
West Lindrith Gallup Dakota

UTP W.I. 50%  
NRI = 43.75%

COMPLETED  
1/27/81

INITIAL POTENTIAL

DK: Q=2162, AOF=2242, SIP=1840 PSI  
MV: Q=2199, AOF=2252, SIP=1223 PSI

PLUG BACK TOTAL DEPTH  
7577'

<u>CASING RECORD</u>	<u>CASING SIZE</u>	<u>WT. &amp; GRADE</u>	<u>DEPTH SET</u>	<u>CEMENT</u>	<u>TOP CEMENT</u>
	8-5/8"	24.40# H-40	262'	200 SX	Circ. cmt
	4-1/2"	10.50# K-55	7615'	325 SX	N/A
			D.V. @ 5573'	480 SX	N/A
			D.V. @ 3259'	300 SX	T.O.C. @ 1100' (survey)

TUBING RECORD

2-3/8" 4.7# J-55 7292'  
Baker Model "R" double grip packer @ 7285'  
w/1.87" I.D. Model "L" sliding sleeve top top\*  
and 1.81" I.D. Baker "F" nipple below.

WELL HEAD

LOGGING RECORD

Density, Induction

STIMULATION

Perfed Dakota w/1 - 0.42" SPF @ 7351', 52', 53', 54', 55', 56', 57', 58', 59', 63', 64', 65', 66', 7461', 62', 63', 64', 65', 66', 69', 70', 71', 72', 73', 74', 75', 76', 77', 7505', 06', 10', 11', 12', 13', 14' and fraced w/147,000# sand in slick water.

Perfed Mesaverde w/1 - 0.42" SPF @ 4841', 47', 51', 56', 60', 64', 4971', 90', 94', 5039', 42', 54', 58', 62', 5104', 08', 14', 20', 22', 48', 52', 5224', 28', 80', 84', 88', 93', 99', 5302', 06', 10', 17', 20', 24', 5334', 38', 40', 43', 46', 52', 61', 66', 72', 76', 92', 96', 5425', 88', 91', 94' and fraced w/184,000# sand in slick water.

WORKOVER HISTORY

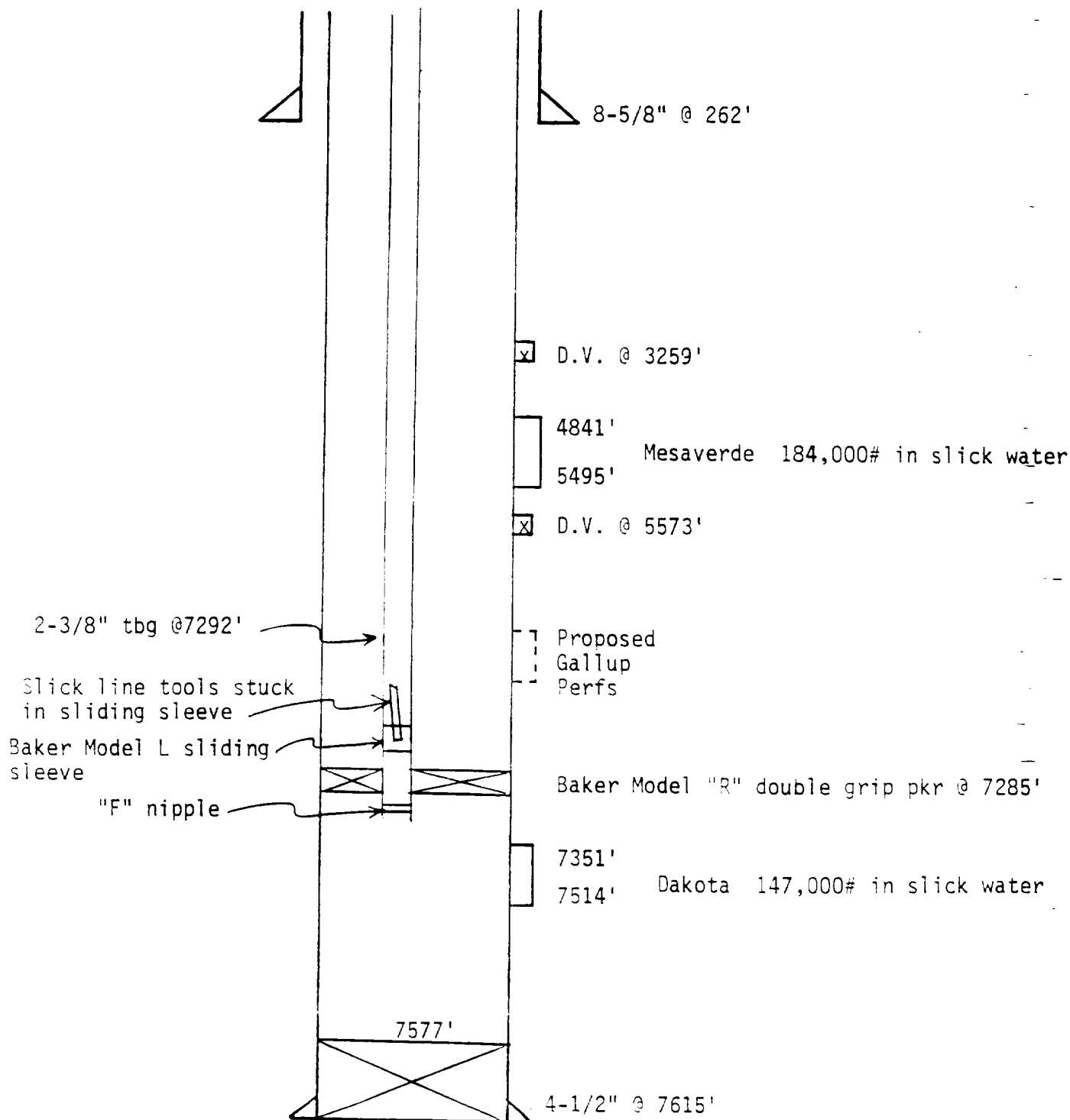
12/1/81 \*Ran slickline to open sliding sleeve. Tools stuck in hole. Dropped sinker bar down tubing to cut wireline at top of tools. Left tools in well.

PRODUCTION HISTORY

DK=1211 BTU MV=1230 BTU  
DK cumulative=604 MMCF and 3285 BO as of 9/1/89  
MV cumulative=98 MMCF and 478 BO as of 9/1/89  
Present DK capacity=250 MCF/D and 1.5 BOPD  
Present MV capacity=54 MCF/D and 0 BOPD

WELL BORE DIAGRAM FOR Jicarilla J #23

800' FNL; 800' FEL  
 Section 25, T26N-R5W  
 Rio Arriba County, NM  
 G.L.=6639'



RECOMMENDED PROCEDURE

Jicarilla J #23 MV/DK

1. Set rig anchors. Lay blowlines and blow well down. MIRUSU. TOOH with 2-3/8" tubing and 4-1/2" Model "R" double grip packer at 7285'.
2. Run 3-7/8" bit on tested 2-3/8" tubing and clean out with air/mist to PBTD 7577'.
3. Set top drillable magnesium alloy BP on wireline at 7100'.
4. Run CBL log from 7100' to 6400'. If necessary, perf squeeze holes and squeeze with Class "B" cement with 0.4% D65 (fluid loss additive) at 1 BPM. Hesitate, if necessary, after cement is displaced to below tool to obtain squeeze pressure of 1000 psi. Perf and squeeze again, if necessary, to insure cement across Gallup zone.
5. Run 2-3/8" tubing with 3-7/8" bit. Using air/mist, drill out. Run tubing with packer set at 6000' and pressure test to 1000 psi. Resqueeze if necessary. Clean out to 7100'.
6. Using cased hole gamma ray log, perforate from top down using 3-1/8" hollow carrier select fire gun with 43 - 0.32" holes at 6488', 90', 95', 6504', 6519', 20', 21', 28', 29', 30', 56', 58', 72', 74', 97', 6612', 14', 33', 38', 40', 42', 46', 48', 52', 55', 57', 62', 68', 74', 76', 80', 86', 88', 6702', 28', 36', 50', 60', 87', 6945', 46', 47', 48'.
7. Run 2-7/8", 6.5#, N-80 rental work string and 4-1/2" retrievematic packer. Spot 400 gals 15% HCl acid w/Fe control across perfs. Set packer at 6400' and break down and attempt to ball off with 2000 gals 15% HCl and 86 perf balls. Maximum pressure = 6500 psi. All displacement water to contain 1% HCl. Lower packer to 7000' to knock off perf balls.

8. Reset packer at 6400', load annulus with 42 bbls 60# crosslinked gel and frac Gallup with 100,000# 20/40 Brady sand in 76,000 gals 30# crosslinked gel with 1% KCl at 25 BPM down tubing as follows:

<u>Stage</u>	<u>Fluid</u>	<u>Sand</u>
Pad	19,000 gals	
1#/gal sand	20,000 gals	20,000#
2#/gal sand	21,000 gals	42,000#
3#/gal sand (resin coated)	6,000 gals	18,000#
Flush	(4,346 gals)	
	<u>66,000 gals</u>	<u>80,000#</u>

All sand to be tagged with R.A. material. All 3#/gal sand to be treated with resin coating to help prevent sand production during cleanup. Anticipated surface pressure = 5500 psi. Maximum pressure = 6000 psi. Frac fluid to contain 1 gal/1000 gals water of SAA-2 (surfactant) and 30#/1000 gals water Versagel 1200. wait overnight for gel to break.

9. Run 3-7/8" bit on 2-3/8" tubing. Clean up well with air/mist. Obtain pitot gauge before drilling BP. Drill BP at 7100' and clean out to PBTD 7577'.
10. Obtain pitot gauge after clean up. Run after frac GR log 7514'-4841'. Rerun 2-3/8" tubing and land at 7300' with standard seating nipple 1 joint above open-ended perf joint.
11. Commence commingled Mesaverde-Gallup-Dakota production.

---

P. M. Pippin  
Production Engineer

---

N. K. Buller  
Sr. Drilling Foreman