



P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

#1 "A" KANE

TICKET

OK
No 18816

Elevation 2069 OF Formation MISS Eff. Pay Ft.

District PRATT Date 5-6-83 Customer Order No.
COMPANY NAME Texas Oil & Gas Production Corp.
ADDRESS Suite 200 West Douglas #300 Wichita, Kansas 67202
LEASE AND WELL NO. KABC A1 COUNTY Kiowa STATE Kansas Sec. 13 Twp 30S Rge. 18W
Mail Invoice To Wichita - 4 DALLAS - 2 Twp. Box 329 No. Copies Requested 6
Co. Name Address 110 Medicine Lodge 67004
Mail Charts To Wichita - 4 DALLAS - 2 No. Copies Requested 6
Address Texas oil & Gas 2501 Fidelity Union Tower DALLAS

Formation Test No. 1 Interval Tested From 4925 ft. to 4950 ft. Total Depth 4950 ft. 7501
Packer Depth 4920 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 4925 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4928 ft.
Bottom Recorder Depth (Outside) 4931 ft.
Below Straddle Recorder Depth ft.
Recorder Number 2606 Cap. 4150
Recorder Number 13267 Cap. 4050
Recorder Number — Cap. —
Drilling Contractor Freeman Drilling Co. 1
Mud Type Aquagel Viscosity 52
Weight 19.0 Water Loss 10.2 cc.
Chlorides 11,000 P.P.M.
Test Tool Length 28 ft. Tool Size 5/8 in.
Jars: Make WTC Serial Number 408 Anchor Length 25 ft. Size 5/8 in.
Did Well Flow? NO Reversed Out Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow in one minute on initial flow period
Strong blow on final flow no gas to surface
Recovered 60 ft. of drilling mud - slightly oil cut
Recovered 30 ft. of Muddy oil 5000 mud 3000 oil - 2000 gas
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks: Spring on clock on recorder 13267 loose - tighten
will try it again

Time On Location 6:00 A.M. Time Pick Up Tool 9:00 A.M. Time Off Location 6:00 A.M.
Time Set Packer(s) 10:40 P.M. Time Started Off Bottom 2:25 P.M. Maximum Temperature 120 °F
Initial Hydrostatic Pressure (A) 2502 P.S.I.
Initial Flow Period Minutes 30 (B) 83 P.S.I. to (C) 62 P.S.I.
Initial Closed In Period Minutes 60 (D) 727 P.S.I.
Final Flow Period Minutes 45 (E) 83 P.S.I. to (F) 83 P.S.I.
Final Closed In Period Minutes 70 (G) 883 P.S.I.
Final Hydrostatic Pressure (H) 2397 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Roy A. Crawns
Signature of Customer or his authorized representative

Western Representative Rod Lutt Thank you

FIELD INVOICE

595.00
Open Hole Test \$ 650.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$
Safety Joint \$ 65.00
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$ 1450.00
9/10/80

DATE: 5/ 6/83

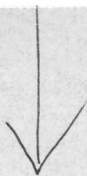
GAUGE SN # 2606

WELL # 1

TEST # 1

READING NUMBER	TIME MIN	PRESSURE PSI	
1	3.384	2505.55	A
2	233.554	2360.15	H
3	5.141	83.73	B
4	10.109	74.25	
5	15.206	68.63	
6	20.246	68.21	
7	25.286	67.69	C
8	3.240	135.68	
9	6.120	195.44	
10	9.202	249.57	
11	12.154	294.13	
12	15.264	339.52	
13	18.202	383.46	
14	21.226	421.46	
15	24.278	459.88	
16	27.302	494.44	
17	30.240	527.75	
18	33.480	560.72	
19	36.331	587.48	
20	39.413	614.24	
21	42.466	639.86	
22	45.504	666.62	
23	48.470	690.78	
24	51.538	714.22	
25	54.446	734.55	
26	57.629	752.39	D
27	5.069	90.18	E
28	10.109	83.41	
29	15.264	78.62	
30	30.456	76.33	
31	45.389	76.13	F
32	3.038	88.20	
33	6.134	134.32	
34	9.216	189.92	
35	12.384	246.35	
36	15.178	292.67	
37	18.245	343.27	
38	21.240	381.27	
39	24.206	417.61	
40	27.504	450.09	
41	30.341	481.74	
42	33.293	511.31	
43	36.331	535.77	
44	39.370	563.73	
45	42.466	589.04	
46	45.403	613.31	
47	48.470	637.89	
48	51.595	662.16	
49	54.590	679.48	
50	57.730	699.39	

DATE: 5/ 6/83



GAUGE SN # 2606

WELL # 1

TEST # 1

READING
NUMBER

TIME
MIN

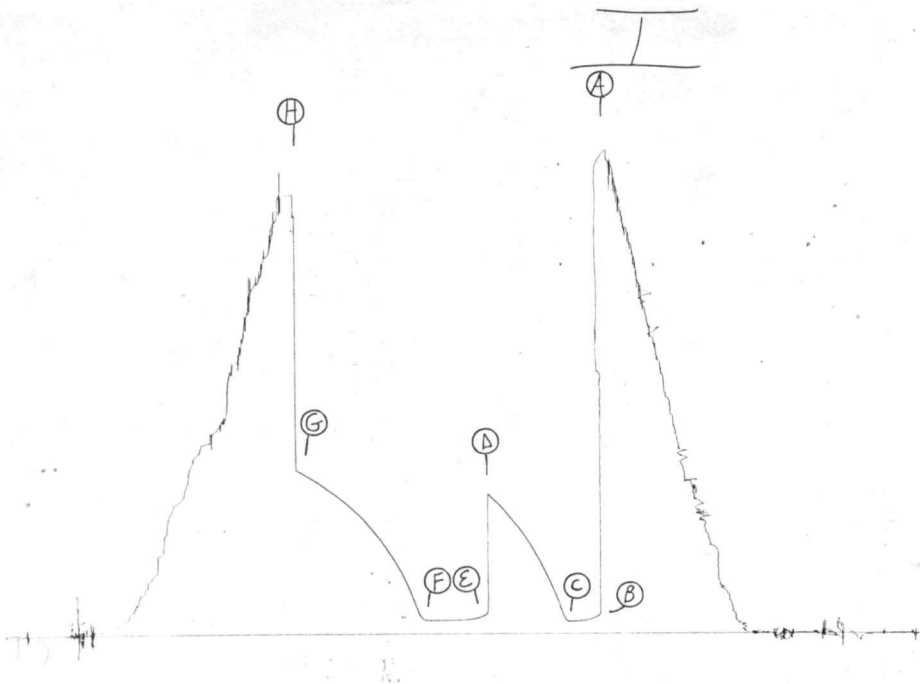
PRESSURE
PSI

51	60.523	714.85
52	63.504	732.69
53	66.730	750.32
54	69.710	765.67
55	72.677	781.02
56	75.701	795.64
57	78.653	812.03
58	81.720	827.69
59	84.672	837.65
60	87.696	851.03
61	90.763	863.78
62	93.686	874.47
63	95.501	881.52

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2606 DST#1

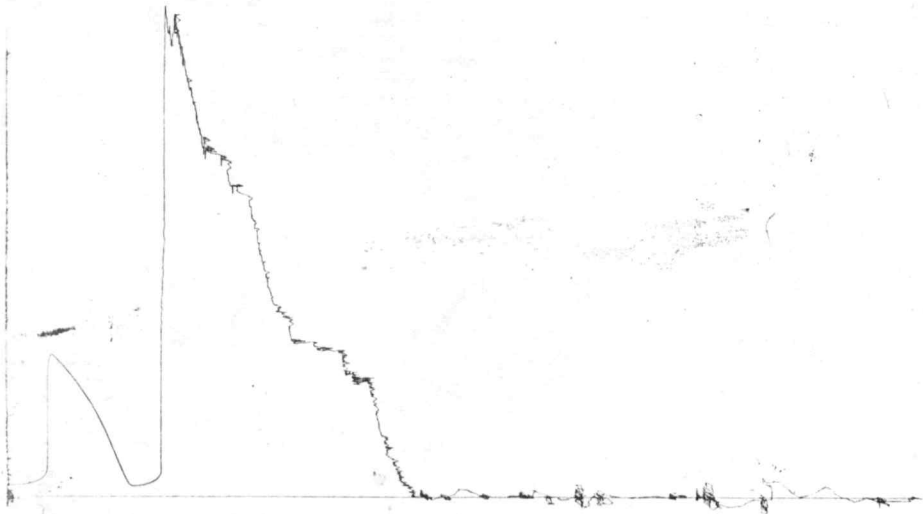
TKT # 18816



13267 DST #1

TKT # 18816

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WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/6/83
CUSTOMER: TXO PRODUCTION
WELL: 1
ELEVATION (KB): 2074
SECTION: 13
RANGE: 18W
GAUGE SN #2606

TEST: 1
FORMATION: MISSISSIPPIAN
TOWNSHIP: 30S
COUNTY: KIOWA
RANGE: 4150

TICKET #18816
LEASE: "A" KANE
GEOLOGIST: REX A CRAVERS
STATE: KANSAS
CLOCK: 12

INTERVAL TEST FROM: 4925 FT TO: 4950 FT TOTAL DEPTH: 4950 FT
DEPTH OF SELECTIVE ZONE: FT
PACKER DEPTH: 4920 FT SIZE: 6 3/4 IN PACKER DEPTH: 4925 FT SIZE: 6 3/4 IN
PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: FREEMAN DRLG
MUD TYPE: AQUAGEL VISCOSITY: 52
WEIGHT: 9.0 WATER LOSS (CC): 10.2
CHLORIDES (P.P.M.): 11000
JARS - MAKE: WTC SERIAL NUMBER: 408
DID WELL FLOW? NO REVERSED OUT?
DRILL COLLAR LENGTH: 514 FT I.D.: 2.25 IN
WEIGHT PIPE LENGTH: FT I.D.: IN
DRILL PIPE LENGTH: 4383 FT I.D.: 3.8 IN
TEST TOOL LENGTH: 28 FT TOOL SIZE: 5 1/2 OD IN
ANCHOR LENGTH: 25 FT SIZE: 5 1/2 OD IN
SURFACE CHOKE SIZE: 3/4 IN BOTTOM CHOKE SIZE: 3/4 IN
MAIN HOLE SIZE: 7 7/8 IN TOOL JOINT SIZE: 4 1/2 FH IN

BLOW: INITIAL FLOW PERIOD STRONG BLOW
IN ONE MINUTE.
FINAL FLOW PERIOD STRONG BLOW.
NO GAS TO SURFACE.

RECOVERED: 60	FT	OF: DRILLING MUD. SLIGHTLY OIL CUT.
RECOVERED: 30	FT	OF: MUDDY OIL. 50% MUD; 30% OIL; 20% GAS.
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:
RECOVERED:	FT	OF:

REMARKS: SPRING ON CLOCK RECORDER 13267 LOOSE.
TIGHTEN WILL TRY IT AGAIN.

TIME SET PACKER(S): 10:40 PM	TIME STARTED OFF BOTTOM: 2:25 AM
WELL TEMPERATURE: 120 °F	
INITIAL HYDROSTATIC PRESSURE:	(A) 2506 PSI
INITIAL FLOW PERIOD MIN: 25	(B) 84 PSI TO (C) 68 PSI
INITIAL CLOSED IN PERIOD MIN: 57	(D) 752 PSI
FINAL FLOW PERIOD MIN: 45	(E) 90 PSI TO (F) 76 PSI
FINAL CLOSED IN PERIOD MIN: 96	(G) 882 PSI
FINAL HYDROSTATIC PRESSURE	(H) 2360 PSI

100

TICKET #18816
LEASE: "A" KANE
GEOLOGIST: REX A CRAVERS
MISSISSIPPIAN
30S
STATE: KANSAS
CLOCK: 12

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E - ACTUAL
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MIN
MIN

DOWN

	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
PT	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
1	0	84	0	68	0	90	0	76
2	5	84	3	136	5	90	3	88
3	10	74	6	195	10	83	6	134
4	15	69	9	250	15	79	9	190
5	20	68	12	294	20	78	12	246
6	25	68	15	340	25	77	15	293
7			18	383	30	76	18	343
8			21	421	35	76	21	381
9			24	460	40	76	24	418
10			27	494	45	76	27	450
11			30	528			30	482
12			33	561			33	511
13			36	587			36	536
14			39	614			39	564
15			42	640			42	589
16			45	667			45	613
17			48	691			48	638
18			51	714			51	662
19			54	735			54	679
20			57	752			57	699
21							60	715
22							63	733
23							66	750
24							69	766
25							72	781
26							75	796
27							78	812
28							81	828
29							84	838
30							87	851

PRESSURE BREAKDOWN - CONT. TICKET #18816

PT	FIRST FLOW		INITIAL SHUT-IN		SECOND FLOW		FINAL SHUT-IN	
	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE	MIN	PRESSURE
31							90	864
32							93	874
33							96	882
34								
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