Company Cross-Timbers Oil Company — Lease & Well No. Kostner #1

Elevation 1457 Kelly Bushing — Formation Mississippi — Effective Pay - Ft. — Ticket No. 10531

Date 4/24/81 — Sec. 19 — Twp. 28S — Range 5W — County Kingman — State Kansas

Test Approved by George A McCaleb — Western Representative Jeff Beauchamp

Formation Test No. 1 — Interval Tested from 3906 ft. to 3935 ft. — Total Depth 3935 ft.

Packer Depth 3901 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 3906 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3928 ft. — Recorder Number 11018 — Cap. 4425

Bottom Recorder Depth (Outside) 3931 ft. — Recorder Number 11019 — Cap. 4500

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Graves Rig #1 — Drill Collar Length 120 — I. D. 2.2 in.

Mud Type Premix — Viscosity 40 — Weight Pipe Length - — I. D. - in.

Weight 9.5 — Water Loss 31.0 cc. — Drill Pipe Length 3766 — I. D. 3.8 in.

Chlorides 16,000 P.P.M. — Test Tool Length 20 ft. — Tool Size 5½OD in.

Jars: Make - — Serial Number - — Anchor Length 29 ft. — Size 5½OD in.

Did Well Flow? No — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½FH in.

Blow: Gas to surface in 8 minutes.

Recovered 560 ft. of gassy mud

Recovered 110 ft. of gassy oil cut mud

Recovered 60 ft. of gassy oil cut muddy water

Recovered 180 ft. of slightly oily gas cut water

Recovered ft. of

Remarks: Two inches was open when gas to surface. Slid tool 20 ft. to bottom.

Time Set Packer(s) 10:50 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 1:50 ~~A.M.~~ P.M. — Maximum Temperature 103

Initial Hydrostatic Pressure			(A)	1988	P.S.I.	
Initial Flow Period	Minutes	30	(B)	153	P.S.I. to (C)	118 P.S.I.
Initial Closed In Period	Minutes	45	(D)	936	P.S.I.	
Final Flow Period	Minutes	45	(E)	156	P.S.I. to (F)	145 P.S.I.
Final Closed In Period	Minutes	60	(G)	916	P.S.I.	
Final Hydrostatic Pressure			(H)	1988	P.S.I.	

GAS FLOW REPORT

Date 4/24/81 Ticket 10531 Company Cross-Timbers Oil Company

Well Name and No. Kostner #1 Dst No. 1 Interval Tested 3906-3935

County Kingman State Kansas Sec. 19 Twp. 28S Rg. 5W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
	Gas to surface in 8 minutes		**PRE FLOW**			
	10 Min	25" water	3/4" Orifice			69,500 C.F.P.D.
	20 Min	20" water	3/4" Orifice			63,500 C.F.P.D.
			SECOND FLOW			
	15 Min	4.0 PSIG	½" Orifice			68,800 C.F.P.D.
	20 Min	3.0 PSIG	½" Orifice			59,200 C.F.P.D.
	30 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.
	40 Min	2.0 PSIG	½" Orifice			47,700 C.F.P.D.

GAS BOTTLE

Serial No. 112 Date Bottle Filled 4/24/81 Date to be Invoiced 4/24/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Cross-Timbers Oil Company

Authorized by George A McCaleb

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 4/24/81 Test Ticket No. 10531

Recorder No. 11018 Capacity 4425 Location 3928 Ft.

Clock No. - Elevation 1457 Kelly Bushing Well Temperature 103 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1988 P.S.I.		Open Tool	10:50A M.	
B	First Initial Flow Pressure	153 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	118 P.S.I.		Initial Closed-in Pressure	45 Mins.	45 Mins.
D	Initial Closed-in Pressure	936 P.S.I.		Second Flow Pressure	45 Mins.	45 Mins.
E	Second Initial Flow Pressure	156 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	145 P.S.I.				
G	Final Closed-in Pressure	916 P.S.I.				
H	Final Hydrostatic Mud	1988 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	153
P 2	5	133
P 3	10	120
P 4	15	118
P 5	20	118
P 6	25	118
P 7	30	118
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 15 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	118
	3	391
	6	551
	9	653
	12	728
	15	779
	18	819
	21	843
	24	865
	27	881
	30	892
	33	905
	36	914
	39	923
	42	929
	45	936

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	156
	5	139
	10	139
	15	139
	20	139
	25	139
	30	139
	35	139
	40	144
	45	145

Final Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point	Minutes	Press.
	0	145
	3	393
	6	524
	9	611
	12	675
	15	717
	18	752
	21	781
	24	801
	27	819
	30	834
	33	850
	36	861
	39	872
	42	878
	45	889
	48	894
	51	900
	54	907
	57	912
	60	916

TKT # 10531

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DST #1
11018

