

Company TXO Production Corp. Lease & Well No. K. U. Endowment #1  
 Elevation --- Formation Simpson Effective Pay - Ft. Ticket No. 15135  
 Date 1/5/82 Sec. 5 Twp. 35S Range 6W County Harper State Kansas  
 Test Approved by Gerrell Veatch Western Representative Jeff Piotrowski

Formation Test No. 3 Interval Tested from 5214 ft. to 5224 ft. Total Depth 5224 ft.  
 Packer Depth 5209 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 5214 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 5217 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 5220 ft. Recorder Number 1565 Cap. 4900  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor F. W. A. Drlg. Rig #32 Drill Collar Length 420 I. D. 2.2 in.  
 Mud Type chemical Viscosity 42 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 10.0 cc. Drill Pipe Length 4765 I. D. 3.2 in.  
 Chlorides 12,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.  
 Jars: Make WIC Serial Number 409 Anchor Length 10 ft. Size 5 1/2 OD 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 4"FH in.

Blow: Initial flow period weak blow; Final flow period weak; flushed tool - weak blow.  
Strong blow on slide to bottom.

Recovered 85 ft. of muddy water Chlorides TOP: 66,000 ppm  
 Recovered 185 ft. of salt water MIDDLE: 80,000 ppm  
 Recovered 210 ft. of heavy salty mud BOTTOM: 14,000 ppm  
 Recovered        ft. of         
 Recovered        ft. of       

Remarks: Slid tool twenty feet.

Time Set Packer(s) 6:30 ~~P.M.~~ <sup>A.M.</sup> Time Started Off Bottom 9:45 ~~P.M.~~ <sup>A.M.</sup> Maximum Temperature 123°  
 Initial Hydrostatic Pressure (A) 2552 P.S.I.  
 Initial Flow Period Minutes 30 (B) 292 P.S.I. to (C) 292 P.S.I.  
 Initial Closed In Period Minutes 60 (D) 1364 P.S.I.  
 Final Flow Period Minutes 45 (E) 303 P.S.I. to (F) 303 P.S.I.  
 Final Closed In Period Minutes 57 (G) 1146 P.S.I.  
 Final Hydrostatic Pressure (H) 2510 P.S.I.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 1/5/82 Recorder No. 5673 Capacity 5400 Test Ticket No. 15135  
 Location 5217 Ft. Elevation --- Well Temperature 123 °F  
 Clock No. -

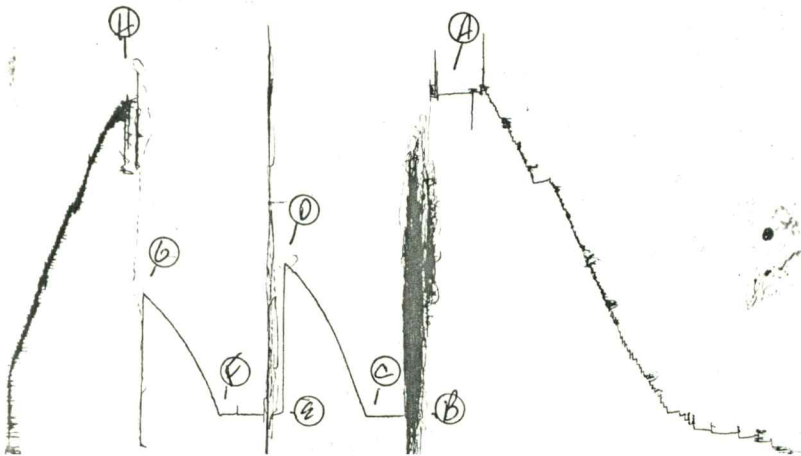
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2552	P.S.I.	6:30A	M
B First Initial Flow Pressure	292	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	292	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	1364	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	303	P.S.I.	60	Mins. 57 Mins.
F Second Final Flow Pressure	303	P.S.I.		
G Final Closed-in Pressure	1146	P.S.I.		
H Final Hydrostatic Mud	2510	P.S.I.		

### PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.
	of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.		of 5 mins. and a final inc. of 0 Min.		of 3 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	292	0	292	0	303	0	303	
P 2 5	292	3	372	5	303	3	390	
P 3 10	292	6	445	10	FLUSHED TOOL	6	458	
P 4 15	292	9	518	15	303	9	526	
P 5 20	292	12	598	20	303	12	581	
P 6 25	292	15	672	25	303	15	636	
P 7 30	292	18	753	30	303	18	686	
P 8		21	819	35	303	21	735	
P 9		24	883	40	303	24	787	
P10		27	945	45	303	27	825	
P11		30	1001			30	864	
P12		33	1049			33	904	
P13		36	1103			36	947	
P14		39	1144			39	977	
P15		42	1179			42	1010	
P16		45	1220			45	1043	
P17		48	1257			48	1075	
P18		51	1298			51	1108	
P19		54	1317			54	1133	
P20		57	1343			57	1146	
		60	1364					

5623  
DST#3

TK #15135  
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1565

DST # 3

TRT # 15135

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