

Company Kan-Ex, Inc. Lease & Well No. #1 Brubaker
 Elevation -- Formation Indian Cave Effective Pay --- Ft. Ticket No. 18347
 Date 12/26/82 Sec. 18 Twp. 29S Range 12W County Pratt State Kansas
 Test Approved by Grant B. Gardner Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 2782 ft. to 2820 ft. Total Depth 2820 ft.
 Packer Depth 2777 ft. Size 6 3/4 in. Packer Depth -- ft. Size - in.
 Packer Depth 2782 ft. Size 6 3/4 in. Packer Depth --- ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 2810 ft. Recorder Number 13267 Cap. 4050
 Bottom Recorder Depth (Outside) 2813 ft. Recorder Number 2606 Cap. 4150
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -

Drilling Contractor Union Drlg. Rig #4 Drill Collar Length - I. D. - in.
 Mud Type gel Viscosity 33 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss N/C cc. Drill Pipe Length 2753 I. D. 3.8 in.
 Chlorides 46,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.
 Jars: Make WTC Serial Number 405 Anchor Length 38 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 1/2 FH in.

Blow: Strong through both flow periods.

Recovered 130 ft. of mud
 Recovered 180 ft. of water Chlorides 89,000 ppm
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 9:35 ~~A.M.~~ P.M. Time Started Off Bottom 1:35 ~~A.M.~~ P.M. Maximum Temperature 108°
 Initial Hydrostatic Pressure 1415 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 63 P.S.I. to (C) 83 P.S.I.
 Initial Closed In Period 60 Minutes (D) 982 P.S.I.
 Final Flow Period 60 Minutes (E) 116 P.S.I. to (F) 168 P.S.I.
 Final Closed In Period 93 Minutes (G) 965 P.S.I.
 Final Hydrostatic Pressure 1405 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 12/26/82 Test Ticket No. 18347
 Recorder No. 13267 Capacity 4050 Location 2810 Fr. ---
 Clock No. --- Elevation --- Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1415	P.S.I.	9:35P	M
B First Initial Flow Pressure	63	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	83	P.S.I.	60	Mins. 60 Mins.
D Initial Closed-in Pressure	982	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	116	P.S.I.	90	Mins. 93 Mins.
F Second Final Flow Pressure	168	P.S.I.		
G Final Closed-in Pressure	965	P.S.I.		
H Final Hydrostatic Mud	1405	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 6 mins. and a final inc. of 0 Min.		of 20 mins. and a final inc. of 0 Min.		of 12 mins. and a final inc. of 0 Min.		of 31 mins. and a final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	63	0	83	0	116	0	168	
P 2 5	63	3	506	5	116	3	435	
P 3 10	63	6	650	10	117	6	595	
P 4 15	66	9	737	15	121	9	679	
P 5 20	73	12	795	20	126	12	732	
P 6 25	80	15	835	25	132	15	771	
P 7 30	83	18	864	30	137	18	802	
P 8		21	886	35	142	21	824	
P 9		24	904	40	149	24	844	
P10		27	919	45	154	27	860	
P11		30	931	50	159	30	872	
P12		33	940	55	164	33	881	
P13		36	947	60	168	36	890	
P14		39	954			39	899	
P15		42	960			42	908	
P16		45	966			45	916	
P17		48	970			48	921	
P18		51	973			51	926	
P19		54	976			54	931	
P20		57	979			57	936	
		60	982			60	941	

13267.
DST #1

TKT # 18347

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