

Company Petroleum Energy, Inc. Lease & Well No. Hauser 'A' #1
 Elevation 1768 Ground Level Formation Arbuckle Effective Pay - Ft. Ticker No. 15637
1773 Kelly Bushing
 Date June 14, '82 Sec. 16 Twp. 20S Range 11W County Barton State Kansas
 Test Approved by Ken Hamlin Western Representative Gregory Saffa

Formation Test No. 1 Interval Tested from 3280 ft. to 3293 ft. Total Depth 3293 ft.
 Packer Depth 3275 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth 3280 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3286 ft. Recorder Number 3085 Cap. 4500
 Bottom Recorder Depth (Outside) 3287 ft. Recorder Number 13400 Cap. 4000
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor White & Ellis Drlg. Drill Collar Length 180 I. D. 2.2 in.
 Mud Type starch Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.7 Water Loss 11.2 cc. Drill Pipe Length 3079 I. D. 3.8 in.
 Chlorides 75,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.
 Jars: Make No Serial Number - Anchor Length 13 ft. Size 4 1/2 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 blow throughout test.

Recovered 844 ft. of gas in pipe
 Recovered 30 ft. of very heavy oil and gas cut mud
 Recovered 420 ft. of froggy oil
 Recovered ft. of
 Recovered ft. of

Remarks: We lost about five feet of mud when tool opened. Hit tight spot about thirteen stands off bottom.

Time Set Packer(s)	P.M. A.M.	Time Started Off Bottom	P.M. A.M.	Maximum Temperature
<u>3:40</u>	<u>A.M.</u>	<u>6:40</u>	<u>A.M.</u>	<u>104°</u>
Initial Hydrostatic Pressure	(A)	<u>1840</u>	P.S.I.	
Initial Flow Period	Minutes	<u>45</u>	(B)	<u>105</u> P.S.I. to (C) <u>166</u> P.S.I.
Initial Closed In Period	Minutes	<u>45</u>	(D)	<u>286</u> P.S.I.
Final Flow Period	Minutes	<u>45</u>	(E)	<u>194</u> P.S.I. to (F) <u>212</u> P.S.I.
Final Closed In Period	Minutes	<u>45</u>	(G)	<u>285</u> P.S.I.
Final Hydrostatic Pressure	(H)	<u>1833</u>	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 6/14/82 Recorder No. 3085 Capacity 4500 Test Ticket No. 15637
 Clock No. -- Elevation 1773 Kelly Bushing Location 3286 Ft. 104 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1840	P.S.I.	3:40A	M
B First Initial Flow Pressure	105	P.S.I.	45	Mins. 45 Mins.
C First Final Flow Pressure	166	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	286	P.S.I.	45	Mins. 45 Mins.
E Second Initial Flow Pressure	194	P.S.I.	45	Mins. 45 Mins.
F Second Final Flow Pressure	212	P.S.I.		
G Final Closed-in Pressure	285	P.S.I.		
H Final Hydrostatic Mud	1833	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In				
	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>9</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.				
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	105	0	166	0	194	0	212
P 2	5	112	3	256	5	194	3	263
P 3	10	129	6	270	10	194	6	275
P 4	15	145	9	277	15	194	9	277
P 5	20	150	12	280	20	197	12	279
P 6	25	152	15	281	25	200	15	281
P 7	30	154	18	282	30	202	18	282
P 8	35	159	21	283	35	206	21	283
P 9	40	164	24	284	40	209	24	284
P10	45	166	27	285	45	212	27	285
P11			30	286			30	285
P12			33	286			33	285
P13			36	286			36	285
P14			39	286			39	285
P15			42	286			42	285
P16			45	286			45	285
P17								
P18								
P19								
P20								

TKT #. 15637

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