

Company P. V. Properties, Inc. Lease & Well No. Long #1
Elevation 1757 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. 13534
Date 10/23/81 Sec. 13 Twp. 19S Range 10W County Rice State Kansas
Test Approved by J. M. Vess Western Representative Glen VanSteenburgh
Formation Test No. 1 Interval Tested from 3217 ft. to 3290 ft. Total Depth 3290 ft.
Packer Depth 3215 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Packer Depth 3217 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
Depth of Selective Zone Set -
Top Recorder Depth (Inside) 3221 ft. Recorder Number 13401 Cap. 4000
Bottom Recorder Depth (Outside) 3224 ft. Recorder Number 3659 Cap. 4000
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Duke Drilling Rig #2 Drill Collar Length - I. D. - in.
Mud Type starch Viscosity 48 Weight Pipe Length - I. D. - in.
Weight 10.3 Water Loss 11.2 cc. Drill Pipe Length 3193 I. D. 3.8 in.
Chlorides 67,000 P.P.M. Test Tool Length 24 ft. Tool Size 4 1/2 in.
Jars: Make - Serial Number - Anchor Length 73 ft. Size 5 1/2 in.
Did Well Flow? No Reversed Out - 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 XH in.

Blow: Initial flow period steady three inch weak blow throughout. Final flow period weak one fourth inch blow building to three inch blow in thirty minutes and holding steady.

Recovered 135 ft. of muddy water Chlorides 35,000 ppm

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: -

Time Set Packer(s) 8:45 A.M. Time Started Off Bottom 12:00 A.M. Maximum Temperature 114°
Initial Hydrostatic Pressure 1766 P.S.I.
Initial Flow Period 30 Minutes (B) 54 P.S.I. to (C) 56 P.S.I.
Initial Closed In Period 48 Minutes (D) 1191 P.S.I.
Final Flow Period 60 Minutes (E) 77 P.S.I. to (F) 99 P.S.I.
Final Closed In Period 63 Minutes (G) 1178 P.S.I.
Final Hydrostatic Pressure 1766 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

10/23/81

Date

13534

Test Ticket No.

Recorder No. 13401

Capacity 4000

Location 3221 Ft.

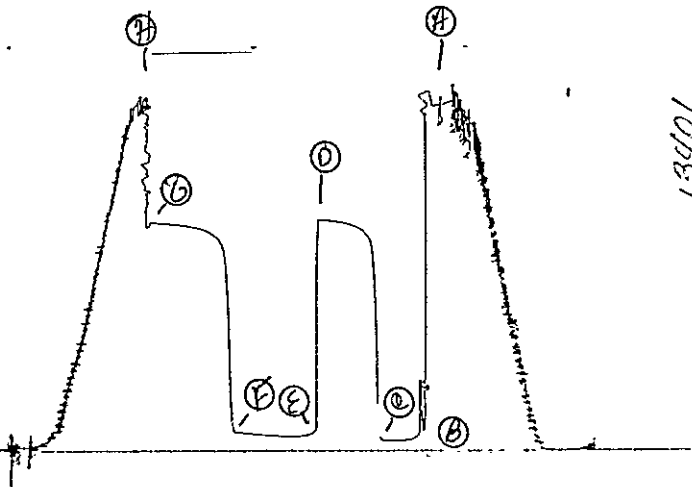
Clock No. - Elevation 1747 Kelly Bushing Well Temperature 114 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	1766 P.S.I.	Open Tool	8:45P	M
B First Initial Flow Pressure	54 P.S.I.	First Flow Pressure	30 Mins	30 Mins
C First Final Flow Pressure	56 P.S.I.	Initial Closed-in Pressure	45 Mins	48 Mins
D Initial Closed-in Pressure	1191 P.S.I.	Second Flow Pressure	60 Mins	60 Mins
E Second Initial Flow Pressure	77 P.S.I.	Final Closed-in Pressure	60 Mins	63 Mins
F Second Final Flow Pressure	99 P.S.I.			
G Final Closed-in Pressure	1178 P.S.I.			
H Final Hydrostatic Mud	1766 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 6 Inc.		Breakdown: 16 Inc.		Breakdown: 12 Inc.		Breakdown: 21 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	54	0	56	0	77	0	99
P 2 5	54	3	500	5	77	3	487
P 3 10	54	6	976	10	77	6	910
P 4 15	54	9	1089	15	77	9	1040
P 5 20	54	12	1119	20	77	12	1085
P 6 25	55	15	1139	25	78	15	1106
P 7 30	56	18	1151	30	81	18	1121
P 8		21	1162	35	84	21	1133
P 9		24	1169	40	87	24	1143
P10		27	1174	45	89	27	1149
P11		30	1179	50	93	30	1153
P12		33	1182	55	96	33	1157
P13		36	1185	60	99	36	1161
P14		39	1187			39	1165
P15		42	1189			42	1167
P16		45	1190			45	1169
P17		48	1191			48	1171
P18						51	1173
P19						54	1175
P20						57	1176
						60	1177
						63	1178

TK# ^{not on 100} 13534
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13401