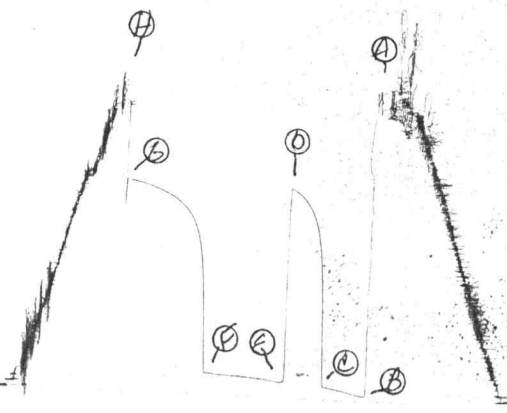


5473

DST 1

TKT #12911

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Company Patton Oil Company Lease & Well No. Holmes #2
 Elevation --- Formation Lansing Effective Pay - Ft. Ticket No. 12911
 Date 8/6/81 Sec. 27 Twp. 33S Range 13W County Barber State Kansas
 Test Approved by Michael G. Russell Western Representative Jeff Piotrowski

Formation Test No. 1 Interval Tested from 4115 ft. to 4160 ft. Total Depth 4160 ft.
 Packer Depth 4110 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4115 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4118 ft. Recorder Number 3673 Cap. 5400
 Bottom Recorder Depth (Outside) 4121 ft. Recorder Number 1565 Cap. 4900
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Big Springs Drlg. Rig #1 Drill Collar Length = I. D. = in.
 Mud Type gel Viscosity 40 Weight Pipe Length 240 I. D. 3.2 in.
 Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 3855 I. D. 3.8 in.
 Chlorides 21,000 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 45 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: Weak slowly building to fair on initial flow period. Fair throughout final flow period.

Recovered 180 ft. of muddy water
 Recovered 120 ft. of water Chlorides 68,000 ppm
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 4:15 A.M. P.M. Time Started Off Bottom 7:15 A.M. P.M. Maximum Temperature 115°
 Initial Hydrostatic Pressure (A) 2049 P.S.I.
 Initial Flow Period Minutes 30 (B) 36 P.S.I. to (C) 87 P.S.I.
 Initial Closed In Period Minutes 30 (D) 1466 P.S.I.
 Final Flow Period Minutes 60 (E) 109 P.S.I. to (F) 150 P.S.I.
 Final Closed In Period Minutes 63 (G) 1485 P.S.I.
 Final Hydrostatic Pressure (H) 2027 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 8/6/81 Recorder No. 5673 Capacity 5400 Test Ticket No. 12911
 Location 4118 Ft. Well Temperature 115 °F
 Clock No. - Elevation -

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2049	P.S.I.	4:15A	M
B First Initial Flow Pressure	36	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	87	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1466	P.S.I.	60	Mins. 60 Mins.
E Second Initial Flow Pressure	109	P.S.I.	60	Mins. 63 Mins.
F Second Final Flow Pressure	150	P.S.I.		
G Final Closed-in Pressure	1485	P.S.I.		
H Final Hydrostatic Mud	2027	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>21</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.	Point Minutes
P 1	36	0	87	0	109	0	150	0
P 2	41	3	626	3	109	5	751	3
P 3	49	6	1043	6	117	10	1003	6
P 4	60	9	1209	9	123	15	1138	9
P 5	71	12	1295	12	127	20	1217	12
P 6	79	15	1350	15	133	25	1266	15
P 7	87	18	1390	18	136	30	1304	18
P 8		21	1417	21	139	35	1331	21
P 9		24	1442	24	141	40	1355	24
P10		27	1458	27	142	45	1371	27
P11		30	1466	30	145	50	1390	30
P12					148	55	1404	33
P13					150	60	1417	36
P14							1431	39
P15							1439	42
P16							1450	45
P17							1458	48
P18							1465	51
P19							1472	54
P20							1477	57
							1484	60
							1485	63