



Home Office: Great Bend, Kansas
 P. O. Box 793 SWift 3-7903

Company Pickrell Drilling Company Lease & Well No. Betz #E-1
 Elevation --- Formation Mississippi Ticket Number 8414
 Date May 14, 1967 Sec. 7 Twp. 20s Range 24w County Ness State Kansas
 Test Approved by Dan Bowles Western Representative Dean Blagrave

Formation Test No. 1 O.K. Misrun Interval Tested From 4325' to 4372' Total Depth 4372'
 Size Main Hole 7 7/8 Rat Hole none Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Packer Depth 4320 Ft. Size 6 3/4 Packer Depth 4325 Ft. Size 6 3/4
 Straddle Yes No Conv. B.T. Damaged Yes No

Packer Depth 4320 Ft. Size 6 3/4
 Tool Size 5 1/2 OD Tool Jt. Size 4 1/2 FH Anchor Length 47 Ft. Size 5 1/2 OD

RECORDERS Depth 4363 Ft. Clock No. 6892 Depth 4366 Ft. Clock No. 6774
 Top Make Amerada Cap. 4150 No. 2606 Inside --- Bottom Make Amerada Cap. 4300 No. 1567 Inside ---
 Below Straddle: Depth --- Clock No. --- Outside --- Depth --- Ft. Clock No. --- Outside ---
 Top Make --- Cap. --- No. --- Inside --- Bottom Make --- Cap. --- No. --- Inside ---

Time Set Packer 7:32 A M
 Tool Open I.F.P. From 7:35 M to 7:45 M Hr. 10 Min. From (B) 76 P.S.I. To (C) 139 P.S.I.
 Tool Closed I.C.I.P. From 7:45 M. to 8:15 M. Hr. 30 Min. (D) 1286 P.S.I.
 Tool Open F.F.P. From 8:15 M. to 10:15 M. 2 Hr. Min. From (E) 176 P.S.I. To (F) 576 P.S.I.
 Tool Closed F.C.I.P. From 10:15 M. to 11:15 M. 1 Hr. Min. (G) 1206 P.S.I.
 Initial Hydrostatic Pressure (A) 2367 P.S.I. Final Hydrostatic Pressure (H) 2350 P.S.I.

SURFACE Size Choke 1/4 In. Max. Press. P.S.I. Time Description of Flow
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW Strong throughout. Bottom Choke Size 3/4 In.
 Did Well Flow Yes No Recovery Total Ft. 690' clean gassy oil; 600' muddy oil; 120' heavy oil cut mud Mud

Reversed Out Yes No Mud Type starch Viscosity 52 Weight 9.8 Maximum Temp. thermometer broken F

EXTRA EQUIPMENT: Dual Packers yes Safety Joint no Jars: Size no Make _____ Ser. No. _____

Type Circ. Sub. plug Did Tool Plug? no Where? _____ Did Packer Hold? yes

Length Drill Pipe _____ ft. I.D. Drill Pipe 3.8 in Length Weight Pipe 1025 ft. I.D. Weight Pipe 2.7 in. Length Drill Collars none ft.

I. D. Drill Collars _____ in. Length D.S.T. Tool 65 ft.

Remarks

WESTERN TESTING CO., INC.
Pressure Data

Date May 14, 1967 Test Ticket No. 8414
 Recorder No. 2606 Capacity 4150 Location _____ Ft. _____
 Clock No. 6892 Elevation ?? Well Temperature _____ °F
Thermometer broken

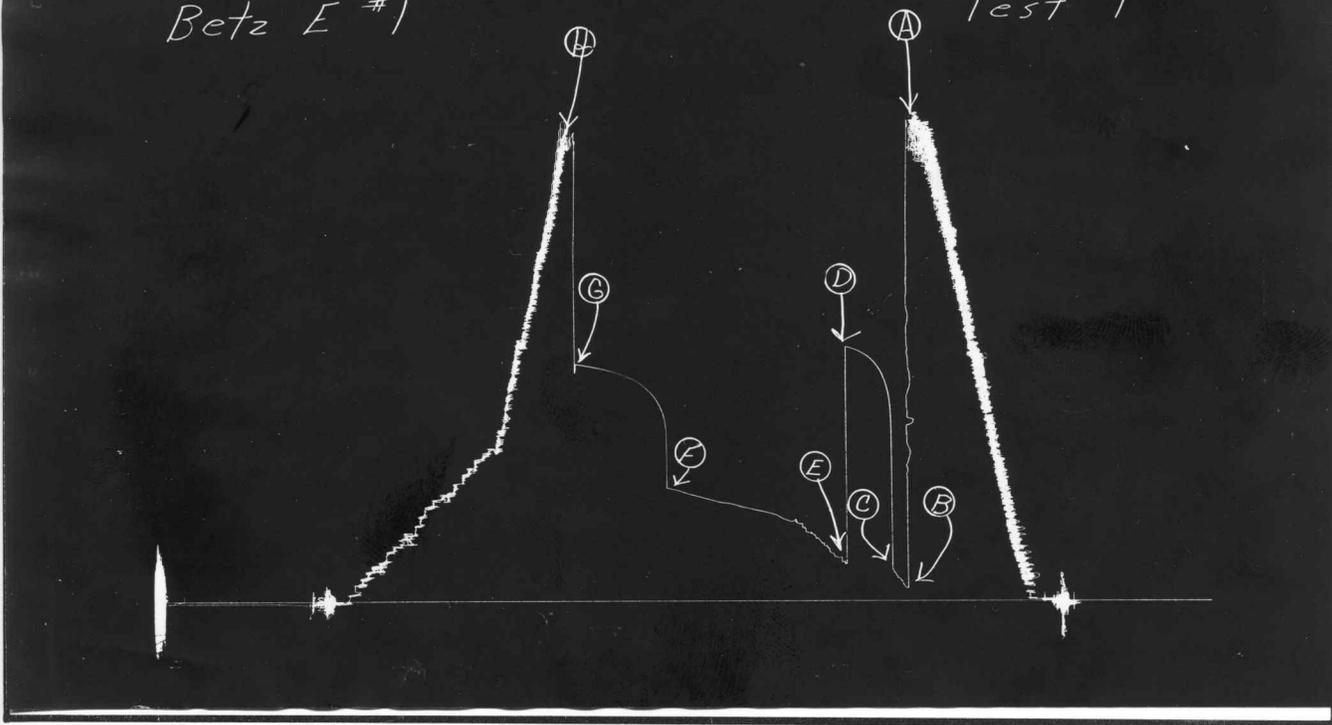
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2367	P.S.I.	7:32 A	
B First Initial Flow Pressure	76	P.S.I.	10 Mins.	10 Mins.
C First Final Flow Pressure	139	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1286	P.S.I.	120 Mins.	119 Mins.
E Second Initial Flow Pressure	176	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	576	P.S.I.		
G Final Closed-in Pressure	1206	P.S.I.		
H Final Hydrostatic Mud	2350	P.S.I.		

PRESSURE BREAKDOWN

First Flow Press.		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>2</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>2 3</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u> </u> Min.		final inc. of <u> </u> Min.		final inc. of <u>4</u> Min.		final inc. of <u> </u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	0 <u>76</u>	0	139	0	176	0	576
P 2	5 <u>99</u>	3	1049	5	216	3	956
P 3	10 <u>139</u>	6	1134	10	237	6	1012
P 4		9	1180	15	274	9	1049
P 5		12	1211	20	303	12	1076
P 6		15	1231	25	343	15	1097
P 7		18	1246	30	378	18	1111
P 8		21	1262	35	410	21	1128
P 9		24	1271	40	416	24	1138
P 10		27	1281	45	437	27	1149
P 11		30	1286	50	451	30	1155
P 12				55	460	33	1165
P 13				60	468	36	1170
P 14				65	477	39	1176
P 15				70	485	42	1184
P 16				75	495	45	1188
P 17				80	503	48	1192
P 18				85	510	51	1197
P 19				90	520	54	1200
P 20				95	531	57	1202
				100	539	60	1206
				105	551		
				110	566		
				115	572		
				119	576		

Pickrell Drlg Co.
Betz "E" #1

TKT-8414
Test #1



This is an actual photograph of recorder chart.

POINT	PRESSURE	
(A) Initial Hydrostatic Mud	2367	PSI
(B) First Initial Flow Pressure	76	PSI
(C) First Final Flow Pressure	139	PSI
(D) Initial Closed-in Pressure	1286	PSI
(E) Second Initial Flow Pressure	176	PSI
(F) Second Final Flow Pressure	576	PSI
(G) Final Closed-in Pressure	1206	PSI
(H) Final Hydrostatic Mud	2350	PSI