

Ricketts Testing, Inc.

15-135-23962

Company MULL DRILLING CO., INC. Lease & Well No. BORGER #6
 Elevation 2337 K.B. Formation MISSISSIPPI Effective Pay _____ ft. Ticket No. 1842
 Date 11-8-96 Sec. 5 Twp. 19 Range 24W County NESS State KANSAS
 Test Approved by ROGER MARTIN Ricketts Representative JIM RICKETTS

Formation Test No. 1 Interval Tested from 4321 ft. to 4370 ft. Total Depth 4370 ft.
 Packer Depth 4321 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.
 Packer Depth 4318 ft. Size 6 3/4 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 4326 ft. Recorder Number 13307 Cap. 4650
 Bottom Recorder Depth (Outside) 4329 ft. Recorder Number 13306 Cap. 4625
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____

Drilling Contractor Duke Drilling Rig #4 Drill Collar Length _____ I.D. _____ in.
 Mud Type Chemical Viscosity 55 Weight Pipe Length _____ I.D. _____ in.
 Weight 9.5 Water Loss 9.2 cc. Drill Pipe Length 4301 I.D. 3.25 in.
 Chlorides 2500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.
 Jars: Make _____ Serial Number _____ Anchor Length 49 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.
 Gravity Oil 36° Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 xh in.

Blow: Strong blow Initial Flow Period. Off bottom in 7 minutes.
Strong blow Final Flow Period. Off bottom in 15 minutes.

Recovered 240 ft. of Gas in pipe.
 Recovered 380 ft. of Clean gassy oil (5.4 bbls)
 Recovered 104 ft. of Gassy oil cut mud. 17% Gas 3% Oil 80% Mud (1.48 bbls)
 Recovered 124 ft. of Gassy heavy oil cut mud. 28% Gas 32% Oil 40% Mud (1.76 bbls)
 Recovered 124 ft. of Gassy very slightly oil cut watery mud. 20% Gas 2% Oil 8% Water 70% Mud (1.76 bbls)

Remarks: DST Fluid Chlorides 16,000 ppm

Time Set Packer (s) 4:47 A M. Time Started Off Bottom 8:32 A M. Maximum Temperature 121°
 Initial Hydrostatic Pressure..... (A) 2197 P.S.I.
 Initial Flow Period Minutes 30 (B) 81 P.S.I. to
 (C) 125 P.S.I.
 Initial Closed In Period Minutes 45 (D) 1201 P.S.I.
 Final Flow Period Minutes 90 (E) 169 P.S.I. to
 (F) 296 P.S.I.
 Final Closed In Period Minutes 60 (G) 1139 P.S.I.
 Final Hydrostatic Pressure (H) 2186 P.S.I.

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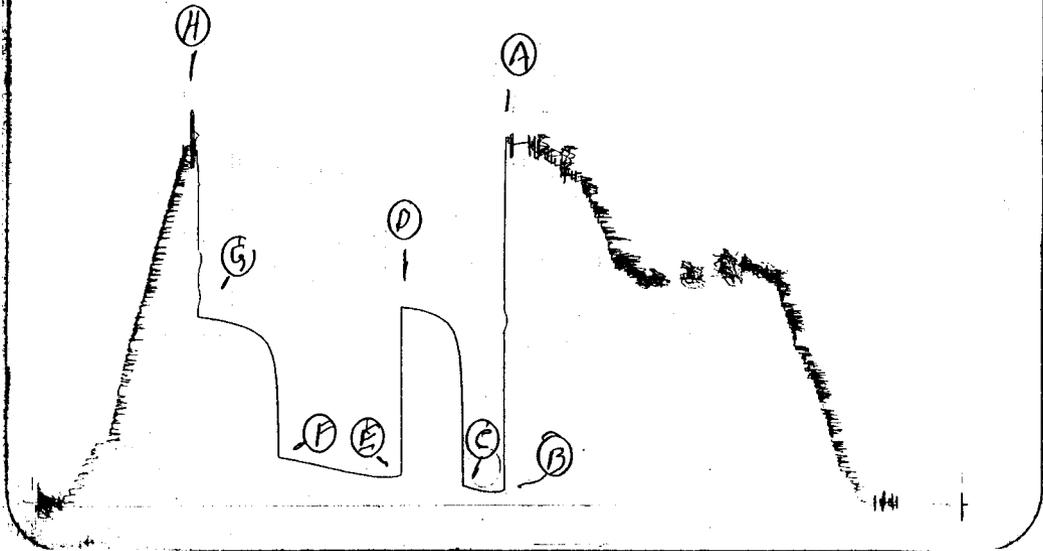
Pressure Data

Date 11-8-96 Test Ticket No. 1842
 Recorder No. 13307 Capacity 4650 Location 4326 Ft.
 Clock No. _____ Elevation 2337 K.B. Well Temperature 121 °F
 Point _____ Pressure _____ Time Given 4:47 A.M. Time Computed _____
 A Initial Hydrostatic Mud _____ P.S.I. 2197 Open Tool _____
 B First Initial Flow Pressure _____ P.S.I. 81 First Flow Pressure _____ Mins. _____ Mins.
 C First Final Flow Pressure _____ P.S.I. 125 Initial Closed-in Pressure _____ Mins. _____ Mins.
 D Initial Closed-in Pressure _____ P.S.I. 1201 Second Flow Pressure _____ Mins. _____ Mins.
 E Second Initial Flow Pressure _____ P.S.I. 169 Final Closed-in Pressure _____ Mins. _____ Mins.
 F Second Final Flow Pressure _____ P.S.I. 296
 G Final Closed-in Pressure _____ P.S.I. 1139
 H Final Hydrostatic Mud _____ P.S.I. 2186

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 <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 _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
	Press.	Point Minutes						
P 1	81	0	125	0	169	0	296	0
P 2	81	3	924	3	169	3	826	3
P 3	85	6	1032	6	173	6	921	6
P 4	92	9	1078	9	179	9	983	9
P 5	102	12	1113	12	183	12	1010	12
P 6	110	15	1128	15	187	15	1032	15
P 7	125	18	1144	18	194	18	1051	18
P 8		21	1155	21	202	21	1065	21
P 9		24	1165	24	208	24	1075	24
P 10		27	1173	27	217	27	1085	27
P 11		30	1180	30	222	30	1094	30
P 12		33	1190	33	238	33	1101	33
P 13		36	1193	36	251	36	1108	36
P 14		39	1195	39	259	39	1116	39
P 15		42	1198	42	266	42	1121	42
P 16		45	1201	45	273	45	1124	45
P 17		48		48	280	48	1127	48
P 18		51		51	288	51	1130	51
P 19		54		54	296	54	1133	54
P 20		57		57		57	1136	57
		60		60		60	1139	60

DST # 1 TK # 1842



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2204	2197	PSI
(B) First Initial Flow Pressure	69	81	PSI
(C) First Final Flow Pressure	127	125	PSI
(D) Initial Closed-in Pressure	1194	1201	PSI
(E) Second Initial Flow Pressure	150	169	PSI
(F) Second Final Flow Pressure	301	296	PSI
(G) Final Closed-in Pressure	1147	1139	PSI
(H) Final Hydrostatic Mud	2181	2186	PSI