

Company Mull Drilling Company, Inc. Lease & Well No. Snyder #3  
 Elevation 2629 Kelly Bushing Mississippi Effective Pay ----- Ft. Ticket No. 4662  
 Date 4/14/80 Sec. 11 Twp. 16S Range 26W County Ness State Kansas  
 Test Approved by Michael R. Kidwell Western Representative Ken Metzler

Formation Test No. 1 Interval Tested from 4522 ft. to 4557 ft. Total Depth 4557 ft.  
 Packer Depth 4517 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 4522 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4548 ft. Recorder Number 1564 Cap. 3150  
 Bottom Recorder Depth (Outside) 4551 ft. Recorder Number 3085 Cap. 4500  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Blue Goose Drilling Rig #2 Drill Collar Length 311 I. D. 2.26 in. XH  
 Mud Type drispac Viscosity 44 Weight Pipe Length - I. D. - in.  
 Weight 9.1 Water Loss 11.8 cc. Drill Pipe Length 4277 I. D. 3.8 in. XH  
 Chlorides 7,000 P.P.M. Test Tool Length 19 ft. Tool Size 5 1/2 in.  
 Jars: Make No Serial Number - Anchor Length 35 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.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow buildng to good blow both openings.

Recovered 130 ft. of gas in pipe  
 Recovered 261 ft. of clean gassy oil (38° gravity)  
 Recovered 120 ft. of oil cut mud  
 Recovered ft. of  
 Recovered ft. of

Remarks:

Time Set Packer(s) 7:12 A.M. P.M. Time Started Off Bottom 10:30 A.M. P.M. Maximum Temperature 128°  
 Initial Hydrostatic Pressure (A) 2158 P.S.I.  
 Initial Flow Period Minutes 30 (B) 60 P.S.I. to (C) 95 P.S.I.  
 Initial Closed In Period Minutes 45 (D) 1144 P.S.I.  
 Final Flow Period Minutes 60 (E) 135 P.S.I. to (F) 166 P.S.I.  
 Final Closed In Period Minutes 60 (G) 1111 P.S.I.  
 Final Hydrostatic Pressure (H) 2155 P.S.I.

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 4/14/80 Test Ticket No. 4662  
 Recorder No. 1564 Capacity 3150 Location 4548 Ft.  
 Clock No. - Elevation 2629 Kelly Bushing Well Temperature 128 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	2158	P.S.I.	Open Tool	7:12P	M
B First Initial Flow Pressure	60	P.S.I.	First Flow Pressure	30	Mins. 30 Mins.
C First Final Flow Pressure	95	P.S.I.	Initial Closed-in Pressure	45	Mins. 45 Mins.
D Initial Closed-in Pressure	1144	P.S.I.	Second Flow Pressure	60	Mins. 60 Mins.
E Second Initial Flow Pressure	135	P.S.I.	Final Closed-in Pressure	60	Mins. 60 Mins.
F Second Final Flow Pressure	166	P.S.I.			
G Final Closed-in Pressure	1111	P.S.I.			
H Final Hydrostatic Mud	2155	P.S.I.			

**PRESSURE BREAKDOWN**

Point	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	0	60	0	95	0	135	0	166
P 2	5	60	3	274	5	129	3	190
P 3	10	62	6	879	10	130	6	410
P 4	15	68	9	975	15	136	9	839
P 5	20	78	12	1019	20	143	12	918
P 6	25	85	15	1049	25	147	15	956
P 7	30	95	18	1070	30	151	18	974
P 8			21	1087	35	154	21	992
P 9			24	1101	40	156	24	1010
P10			27	1116	45	158	27	1028
P11			30	1122	50	160	30	1046
P12			33	1128	55	163	33	1055
P13			36	1134	60	166	36	1063
P14			39	1139			39	1071
P15			42	1144			42	1079
P16							45	1087
P17							48	1092
P18							51	1097
P19							54	1102
P20							57	1106
							60	1111

81

1267

TKT # 4662  
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