

Company Cascade Oil Company Lease & Well No. Funk #5  
 Elevation 1375 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 2192  
 Date 6/20/79 Sec. 18 Twp. 19S Range 3E County Marion State Kansas  
 Test Approved by H. J. Graves Western Representative James Rogers

Formation Test No. 1 Interval Tested from 2464 ft. to 2495 ft. Total Depth 2495 ft.  
 Packer Depth 2459 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 2464 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Depth of Selective Zone Set --

Top Recorder Depth (Inside) 2487 ft. Recorder Number 3085 Cap. 4500  
 Bottom Recorder Depth (Outside) 2490 ft. Recorder Number 1561 Cap. 3200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Triangle Drilling Co. Drill Collar Length 330 I. D. 2 1/4 in.  
 Mud Type chemical Viscosity 33 Weight Pipe Length - I. D. - in.  
 Weight 9.3 Water Loss 16 cc. Drill Pipe Length 2110 I. D. 3.8 in.  
 Chlorides 1,800 P.P.M. Test Tool Length 51 ft. Tool Size 5 1/2 OD in.  
 Jars: Make -- Serial Number -- Anchor Length 31 ft. Size 5 1/2 OH.  
 Did Well Flow? -- 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: Strong blow. Gas to surface twelve minutes. Second flow, good blow. Final gas gauged 33.2  
CFPD. See attached sheet for gas measurements.

Recovered 325 ft. of gas cut mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Remarks: -

Reading from Recorder #3085

Time Set Packer(s) 12:00 ~~A.M.~~ P.M. Time Started Off Bottom 2:45 ~~A.M.~~ P.M. Maximum Temperature 98  
 Initial Hydrostatic Pressure ..... (A) 1231 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 41 P.S.I. to (C) 79 P.S.I.  
 Initial Closed In Period ..... Minutes 45 (D) 595 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 79 P.S.I. to (F) 110 P.S.I.  
 Final Closed In Period ..... Minutes 60 (G) 597 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1219 P.S.I.



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

Date 6/20/79 Test Ticket No. 2192  
 Recorder No. 3085 Capacity 4500 Location 2487 Ft.  
 Clock No. -- Elevation 1375 Kelly Bushing Well Temperature 98 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1231	P.S.I.	12:00P	M
B First Initial Flow Pressure	41	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	79	P.S.I.	45	Mins. 45 Mins.
D Initial Closed-in Pressure	595	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	79	P.S.I.	60	Mins. 60 Mins.
F Second Final Flow Pressure	110	P.S.I.		
G Final Closed-in Pressure	597	P.S.I.		
H Final Hydrostatic Mud	1219	P.S.I.		

**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>6</u> mins. and a final inc. of <u>0</u> Min.		of <u>15</u> mins. and a final inc. of <u>0</u> Min.		of <u>6</u> mins. and a final inc. of <u>0</u> Min.		of <u>20</u> mins. and a final inc. of <u>0</u> Min.	
P 1	0	41	0	79	0	79	0	110
P 2	5	48	3	378	5	85	3	347
P 3	10	60	6	521	10	91	6	486
P 4	15	65	9	558	15	96	9	542
P 5	20	71	12	574	20	101	12	567
P 6	25	75	15	583	25	106	15	579
P 7	30	79	18	587	30	110	18	584
P 8			21	592			21	588
P 9			24	595			24	593
P10			27	595			27	597
P11			30	595			30	597
P12			33	595			33	597
P13			36	595			36	597
P14			39	595			39	597
P15			42	595			42	597
P16			45	595			45	597
P17							48	597
P18							51	597
P19							54	597
P20							57	597
							60	597

TKT # 2192  
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