

Company Brandt Oil Company Lease & Well No. Warren #1  
 Elevation 1325 Kelly Bushing Formation Simpson Effective Pay ----- Ft. Ticket No. 5379  
 Date 6/28/80 Sec. 20 Twp 29S Range 2E County Sedgwick State Kansas  
 Test Approved by Paul M. Gunzelman Western Representative Jeff Piotrowski

Formation Test No. 2 Interval Tested from 3507 ft. to 3527 ft. Total Depth 3527 ft.  
 Packer Depth 3502 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.  
 Packer Depth 3507 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 3510 ft. Recorder Number 5673 Cap. 5400  
 Bottom Recorder Depth (Outside) 3513 ft. Recorder Number 1565 Cap. 4900  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Brandt Oil Company Drill Collar Length 150 I. D. 2.2 in.  
 Mud Type chemical Viscosity 38 Weight Pipe Length - I. D. - in.  
 Weight 9.5 Water Loss - cc. Drill Pipe Length 3331 I. D. 3.8 in.  
 Chlorides - P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.  
 Jars: Make - Serial Number - Anchor Length 20 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; died in ten minutes ; flushed tool; no blow in final flow.

Recovered 5 ft. of drilling mud  
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of      
 Recovered     ft. of    

Remarks:    

Time Set Packer(s) 9:44 ~~A.M.~~ P.M. Time Started Off Bottom 11:44 ~~A.M.~~ P.M. Maximum Temperature 118°  
 Initial Hydrostatic Pressure ..... (A) 1745 P.S.I.  
 Initial Flow Period ..... Minutes 30 (B) 8 P.S.I. to (C) 12 P.S.I.  
 Initial Closed In Period ..... Minutes 30 (D) 896 P.S.I.  
 Final Flow Period ..... Minutes 30 (E) 16 P.S.I. to (F) 14 P.S.I.  
 Final Closed In Period ..... Minutes 27 (G) 852 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 1737 P.S.I.

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

Date 6-28-80 Test Ticket No. 5379  
 Recorder No. 5673 Capacity 5400 Location 3510 Ft.  
 Clock No. - Elevation 1325 KB Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1745	P.S.I.	9:44 P M	
B First Initial Flow Pressure	8	P.S.I.	30	30
C First Final Flow Pressure	12	P.S.I.	30	30
D Initial Closed-in Pressure	896	P.S.I.	30	30
E Second Initial Flow Pressure	16	P.S.I.	30	27
F Second Final Flow Pressure	14	P.S.I.		
G Final Closed-in Pressure	852	P.S.I.		
H Final Hydrostatic Mud	1737	P.S.I.		

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In		
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>9</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>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1	0	8	0	12	0	16	0	14
P 2	5	9	3	19	5	16	3	30
P 3	10	12	6	41	10	14	6	63
P 4	15	12	9	123	15	14	9	175
P 5	20	12	12	271	20	14	12	311
P 6	25	12	15	440	25	14	15	460
P 7	30	12	18	593	30	14	18	582
P 8			21	707			21	697
P 9			24	792			24	784
P10			27	852			27	852
P11			30	896				
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								

DST #2

TK#5379

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