

WESTERN TESTING COMPANY
SUBSURFACE PRESSURE SURVEY

DATE: 5/10/83
 CUSTOMER: WHITE & ELLIS DRLG INC
 WELL: 1 TEST: 1
 ELEVATION (KB): 1527 FORMATION: TARKIO SAND
 SECTION: 27 TOWNSHIP: 32S
 RANGE: 11W COUNTY: BARBER STATE: KANSAS
 GAUGE SN #2606 RANGE: 4150 CLOCK: 12

TICKET #18819
 LEASE: "B" STONE
 GEOLOGIST: MICHAEL DIXON

INTERVAL TEST FROM: 2807 FT TO: 2844 FT TOTAL DEPTH: 2844 FT
 DEPTH OF SELECTIVE ZONE: FT
 PACKER DEPTH: 2802 FT SIZE: 6 3/4 IN PACKER DEPTH: 2807 FT SIZE: 6 3/4 IN
 PACKER DEPTH: FT SIZE: IN PACKER DEPTH: FT SIZE: IN

DRILLING CONTRACTOR: WHITE & ELLIS
 MUD TYPE: STSALTCLAY VISCOSITY: 36
 WEIGHT: 9.9 WATER LOSS (CC): 5.4
 CHLORIDES (P.P.M.): 62000
 JARS - MAKE: SERIAL NUMBER:
 DID WELL FLOW? NO REVERSED OUT? NO
 DRILL COLLAR LENGTH: 334 FT I.D.: 2 1/4 IN
 WEIGHT PIPE LENGTH: FT I.D.: IN
 DRILL PIPE LENGTH: 2453 FT I.D.: 3.8 IN
 TEST TOOL LENGTH: 20 FT TOOL SIZE: 5 1/2 OD IN
 ANCHOR LENGTH: 37 FT SIZE: 5 1/2 OD IN
 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 BUILDING TO STRONG BLOW
 IN 20 MINUTES INITIAL FLOW PERIOD.
 STRONG BLOW ON FINAL FLOW PERIOD.

RECOVERED: 20 FT OF: DRILLING MUD
 RECOVERED: FT OF:
 RECOVERED: FT OF:

REMARKS:

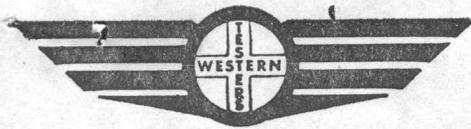
TIME SET PACKER(S): 3:20 AM TIME STARTED OFF BOTTOM: 6:55 AM
 WELL TEMPERATURE: 104 °F
 INITIAL HYDROSTATIC PRESSURE: (A) 1521 PSI
 INITIAL FLOW PERIOD MIN: 35 (B) 66 PSI TO (C) 66 PSI
 INITIAL CLOSED IN PERIOD MIN: 45 (D) 316 PSI
 FINAL FLOW PERIOD MIN: 60 (E) 60 PSI TO (F) 60 PSI
 FINAL CLOSED IN PERIOD MIN: 57 (G) 1137 PSI
 FINAL HYDROSTATIC PRESSURE (H) 1507 PSI

2606 DSY #1

TKT # 18819

I





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 18819

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1527 KB Formation TARKIO Sand Eff. Pay Ft.

District PRATT Date 5-10-83 Customer Order No.

COMPANY NAME White & Ellis Drilling & Inc.

ADDRESS 401 E. Douglas Wichita 67202

LEASE AND WELL NO. 1 Stone B COUNTY Barber STATE Kansas Sec. 27 Twp. 32S Rge. 11W

Mail Invoice To #1" B STONE SAME Co. Name Address No. Copies Requested

Mail Charts To SAME Address No. Copies Requested

Formation Test No. 1 Interval Tested From 2807 ft. to 2844 ft. Total Depth 2844 ft.

Packer Depth 2802 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2807 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2810 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 2813 ft. Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Co Tools Drill Collar Length 334 I. D. 2 1/4 in.

Mud Type Starch Salt Clay Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.9 Water Loss 54 cc. Drill Pipe Length 2453 I. D. 3.8 in.

Chlorides 62.000 P.P.M. Test Tool Length 20 ft. Tool Size 5/200 in.

Jars: Make NO Serial Number - Anchor Length 37 ft. Size 5/200 in.

Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak building to strong blow in 20 minutes

Strong blow on final flow period

Recovered 20 ft. of Drilling mud

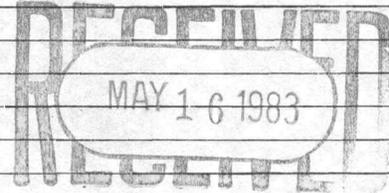
Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Recovered - ft. of

Remarks:



Time On Location 12:00 A.M. Time Pick Up Tool 2:30 P.M. Time Off Location 9:00 A.M.

Time Set Packer(s) 3:20 A.M. Time Started Off Bottom 6:55 A.M. Maximum Temperature 104 °F

Initial Hydrostatic Pressure (A) 1537 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 83 P.S.I. to (D) 45 Minutes (E) 332 P.S.I.

Final Flow Period (F) 60 Minutes (G) 83 P.S.I. to (H) 60 Minutes (I) 1142 P.S.I.

Final Hydrostatic Pressure (H) 1506 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative. Rod Suit Thank you

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, and Telecopier. Total amount is 550.00.

WESTERN TESTING CO., INC.

Pressure Data

Date: 5-10 Test Ticket No. 18819
 Recorder No. 2606 Capacity 4150 Location 2810 Ft
 Clock No. --- Elevation 1527 KB Well Temperature 104 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1521</u> P.S.I.	<u>3:20 A</u> M	
B First Initial Flow Pressure	<u>66</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>66</u> P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>316</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>60</u> P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>60</u> P.S.I.		
G Final Closed-in Pressure	<u>1137</u> P.S.I.		
H Final Hydrostatic Mud	<u>1507</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>8</u> Inc.		Breakdown: <u>16</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.		of <u>5</u> mins. and a final inc. of <u>0</u> Min.		of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>66</u>	0	<u>66</u>	0	<u>60</u>	0	<u>60</u>
P 2		3	<u>66</u>	5		3	<u>241</u>
P 3		6	<u>69</u>	10		6	<u>362</u>
P 4		9	<u>75</u>	15		9	<u>474</u>
P 5		12	<u>85</u>	20		12	<u>580</u>
P 6		15	<u>97</u>	25	<u>60</u>	15	<u>676</u>
P 7		18	<u>109</u>	30	<u>60</u>	18	<u>771</u>
P 8	<u>66</u>	21	<u>123</u>	35		21	<u>846</u>
P 9		24	<u>138</u>	40		24	<u>911</u>
P10		27	<u>156</u>	45	<u>60</u>	27	<u>960</u>
P11		30	<u>175</u>	50		30	<u>997</u>
P12		33	<u>197</u>	55		33	<u>1030</u>
P13		36	<u>223</u>	60	<u>60</u>	36	<u>1053</u>
P14		39	<u>255</u>	65		39	<u>1072</u>
P15		42	<u>290</u>	70		42	<u>1090</u>
P16		45	<u>316</u>	75		45	<u>1105</u>
P17		48		80		48	<u>1115</u>
P18		51		85		51	<u>1125</u>
P19		54		90		54	<u>1134</u>
P20		57				57	<u>1137</u>
		60				60	