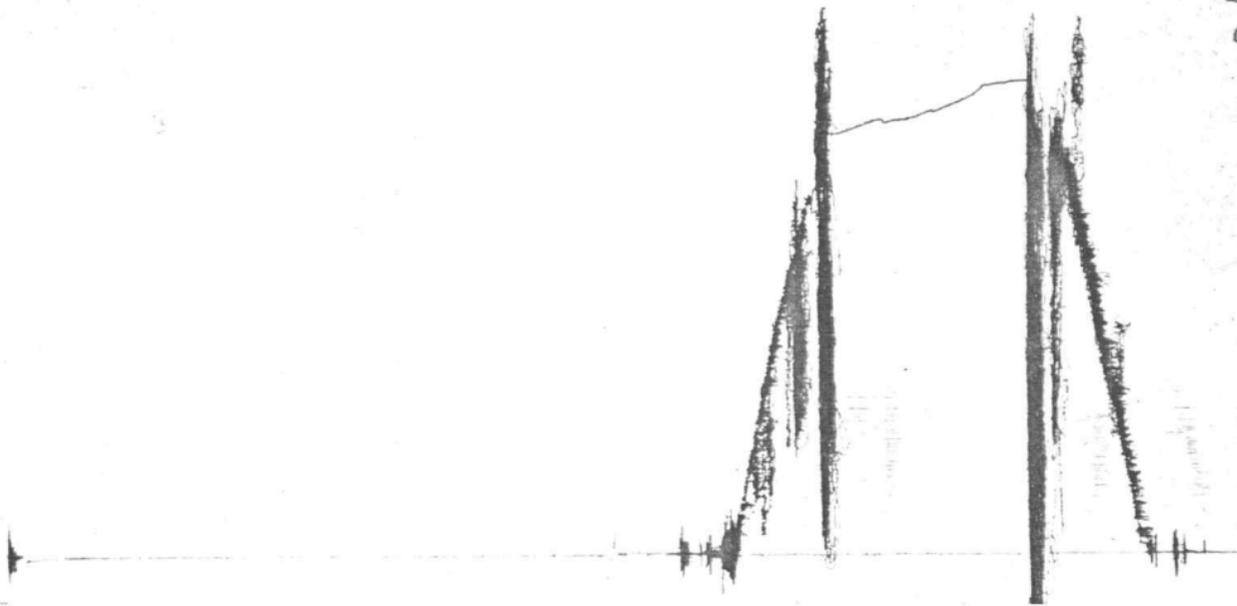


TK# 306  
I.

1550





P. O. BOX 1599 PHONE (316) 838-0601  
 WICHITA, KANSAS 67201

Company White & Ellis Drilling, Inc. Lease & Well No. Drake #2  
 Elevation 1300 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 306  
 Date 7/22/78 Sec. 16 Twp. 33S Range 6E County Cowley State Kansas  
 Test Approved by Paul D. Koontz Western Representative William K. Hager

Formation Test No. 1A Interval Tested from 3108' ft. to 3120' ft. Total Depth 3120' ft.  
 Packer Depth 3108 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth -- ft. Size -- in. Packer Depth -- ft. Size -- in.  
 Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3113 ft. Recorder Number 1558 Cap. 4200  
 Bottom Recorder Depth (Outside) 3116 ft. Recorder Number 1559 Cap. 4200  
 Below Straddle Recorder Depth -- ft. Recorder Number -- Cap. --

Drilling Contractor White & Ellis #2 Drill Collar Length 281' I. D. ----- in.  
 Mud Type water Viscosity 32-36 Weight Pipe Length -- I. D. -- in.  
 Weight 8.9-9.2 Water Loss N/C cc. Drill Pipe Length 2812' I. D. 4 1/2 FH in.  
 Chlorides 1,100 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make -- Serial Number -- Anchor Length 12' 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.

Blow: Very weak blow. Died 20 minutes into initial opening.

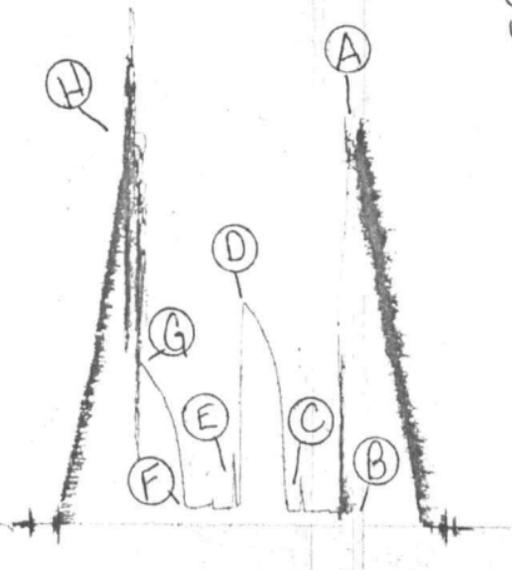
Recovered 4' ft. of mud  
 Recovered ----- ft. of -----  
 Recovered ----- ft. of -----  
 Recovered ----- ft. of -----  
 Recovered ----- ft. of -----

Remarks: Tool plugged going to bottom. DST #1A Misrun. Tool would not go to bottom.out of the hole with tool at 4:50 A,. Tool stopped 5 foot of bottom.

Time Set Packer(s) 1:30 ~~PM~~ <sup>A.M.</sup> Time Started Off Bottom ----- <sup>A.M.</sup> ~~PM~~ Maximum Temperature -----  
 Initial Hydrostatic Pressure ----- (A) ----- P.S.I.  
 Initial Flow Period ----- Minutes 30 (B) ----- P.S.I. to (C) ----- P.S.I.  
 Initial Closed In Period ----- Minutes 30 (D) ----- P.S.I.  
 Final Flow Period ----- Minutes 30 (E) ----- P.S.I. to (F) ----- P.S.I.  
 Final Closed In Period ----- Minutes 30 (G) ----- P.S.I.  
 Final Hydrostatic Pressure ----- (H) ----- P.S.I.

TK4# 307

I.



1558  
B558



P. O. BOX 1599 PHONE (316) 838-0601  
 WICHITA, KANSAS 67201

Company White & Ellis Drilling, Inc. Lease & Well No. Drake #2  
 Elevation 1300 Kelly Bushing Formation Mississippi Effective Pay ----- Ft. Ticket No. 307  
 Date 7/22/78 Sec. 16 Twp 33S Range 6E County Cowley State Kansas  
 Test Approved by Paul D. Koontz Western Representative Will K. Hager

Formation Test No. 1B Interval Tested from 3108' ft. to 3120' ft. Total Depth 3120' ft.  
 Packer Depth 3103 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.  
 Packer Depth 3108 ft. Size 6 3/4 in. Packer Depth -- ft. Size -- in.

Depth of Selective Zone Set -----

Top Recorder Depth (Inside) 3113 ft. Recorder Number 1558 Cap. 4200  
 Bottom Recorder Depth (Outside) 3116 ft. Recorder Number 1559 Cap. 4200  
 Below Straddle Recorder Depth == ft. Recorder Number -- Cap. --

Drilling Contractor White & Ellis #2 Drill Collar Length 281' I. D. 2.8 in.  
 Mud Type water Viscosity 40 Weight Pipe Length -- I. D. -- in.  
 Weight 8.9-9.2 Water Loss N/C cc. Drill Pipe Length 2812' I. D. 4 1/2 FH in.  
 Chlorides 1,100 P.P.M. Test Tool Size 5 1/2 in. Tool Joint Size 4 1/2 FH in.  
 Jars: Make -- Serial Number -- Anchor Length 12' ft. Size 5 1/2 / 4 in.  
 Did Well Flow? No Reversed Out \_\_\_\_\_ Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in.

Blow: Weak blow on initial opening. No blow on second opening.

Recovered 80 ft. of mud slightly oil cut last five feet

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Slid tool to bottom.

Time Set	Packer(s)	<del>P.M.</del> A.M.	Time Started	Off Bottom	<del>A.M.</del> P.M.	Maximum Temperature
	<u>11:00</u>	<u>A.M.</u>	<u>1:00</u>		<u>P.M.</u>	<u>112</u>
Initial Hydrostatic Pressure			(A)	<u>1538</u>	P.S.I.	
Initial Flow Period			Minutes	<u>30</u>	(B)	<u>61</u> P.S.I. to (C) <u>65</u> P.S.I.
Initial Closed In Period			Minutes	<u>30</u>	(D)	<u>939</u> P.S.I.
Final Flow Period			Minutes	<u>30</u>	(E)	<u>91</u> P.S.I. to (F) <u>74</u> P.S.I.
Final Closed In Period			Minutes	<u>30</u>	(G)	<u>693</u> P.S.I.
Final Hydrostatic Pressure			(H)	<u>1515</u>	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 7/22/78 Recorder No. 1558 Capacity 4200 Test Ticket No. 307  
 Location 3113 Ft. Elevation 1300 Kelly Bushing Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1538 P.S.I.	Open Tool	11:00A	M
B First Initial Flow Pressure	61 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	65 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	939 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	91 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	74 P.S.I.			
G Final Closed-in Pressure	693 P.S.I.			
H Final Hydrostatic Mud	1515 P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes
P 1	61	0	65	0	91	0	74	0
P 2	61	3	175	3	78	5	150	3
P 3	67	6	531	6	74	10	321	6
P 4	63	9	670	9	69	15	422	9
P 5	63	12	741	12	84	20	485	12
P 6	65	15	789	15	74	25	539	15
P 7	65	18	835	18	74	30	573	18
P 8		21	876	21			602	21
P 9		24	899	24			635	24
P10		27	931	27			670	27
P11		30	939	30			693	30
P12								
P13								
P14								
P15								
P16								
P17								
P18								
P19								
P20								