WESTERN TESTERS

Home Office: Wichita, Kansas 67201

P.O. Box 1599 (316) 262-5861

Company: Associated Petroleum Consultants | Lease & Well No.: Hodgkins #1

Elevation: 1858 Kelly Bushing | Formation: Mississippi | Effective Pay: - Ft. | Ticket No.: 15185

Date: 2/17/82 | Sec.: 7 | Twp.: 26S | Range: 11W | County: Pratt | State: Kansas

Test Approved by: W. W. Scott | Western Representative: Mike Rogers

Formation Test No.: 1 | Interval Tested from: 4008 ft. to 4036 ft. | Total Depth: 4036 ft.

Packer Depth: 4003 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Packer Depth: 4008 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 4012 ft. | Recorder Number: 1566 | Cap.: 4300

Bottom Recorder Depth (Outside): 4015 ft. | Recorder Number: 3086 | Cap.: 4500

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

Drilling Contractor: Transpac Drlg. | Drill Collar Length: 465 | I. D.: 2.2 in.

Mud Type: chemical | Viscosity: 53 | Weight Pipe Length: - | I. D.: - in.

Weight: 9.3 | Water Loss: 12.6 cc. | Drill Pipe Length: 3520 | I. D.: 3.8 in.

Chlorides: 11,000 P.P.M. | Test Tool Length: 23 ft. | Tool Size: 5½ in.

Jars: Make: - | Serial Number: - | Anchor Length: 28 ft. | Size: 5½ 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: 4½XH in.

Blow: Three inch ~~Building~~ blow building to strong on initial flow period. Strong on final flow period.

Recovered ft. of gas in pipe within 200' of surface - 3800' gas in pipe (Broken column in

Recovered ft. of top 200')

Recovered 3600 ft. of fairly continuous gas column

Recovered 240 ft. of slightly oil stained and heavy gas cut drilling mud

Recovered 60 ft. of heavy gas cut oil with 4% mud;16% water with 15,000 chloridesppm/80% oil-also

Remarks: with bright yeallow flouresence.

Tool slid five feet to bottom. Rotary table failed to kick out 6/ISI;closed tool manually backwards.

Time Set Packer(s): 9:30 A.M. ~~P.M.~~ | Time Started Off Bottom: 1:10 A.M. P.M. | Maximum Temperature: 114°

	Minutes				
Initial Hydrostatic Pressure		(A) 1996 P.S.I.			
Initial Flow Period	40	(B) 130 P.S.I.	to	(C) 130 P.S.I.	
Initial Closed In Period	66	(D) 1343 P.S.I.			
Final Flow Period	60	(E) 139 P.S.I.	to	(F) 152 P.S.I.	
Final Closed In Period	63	(G) 1360 P.S.I.			
Final Hydrostatic Pressure		(H) 1965 P.S.I.			

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WESTERN TESTING CO., INC.
Pressure Data

Date 2/17/82 — Test Ticket No. 15185

Recorder No. 1566 — Capacity 4300 — Location 4012 Ft.

Clock No. --- — Elevation 1858 Kelly Bushing — Well Temperature 114 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1996 P.S.I.		Open Tool	9:30A M.	
B	First Initial Flow Pressure	130 P.S.I.		First Flow Pressure	40 Mins.	40 Mins.
C	First Final Flow Pressure	130 P.S.I.		Initial Closed-in Pressure	60 Mins.	66 Mins.
D	Initial Closed-in Pressure	1343 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	139 P.S.I.		Final Closed-in Pressure	60 Mins.	63 Mins.
F	Second Final Flow Pressure	152 P.S.I.				
G	Final Closed-in Pressure	1360 P.S.I.				
H	Final Hydrostatic Mud	1965 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure — Breakdown: 8 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In — Breakdown: 22 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure — Breakdown: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In — Breakdown: 21 Inc. of 3 mins. and a final inc. of 0 Min.

Point	First Flow Mins.	Press.	Initial Shut-In Point Minutes	Press.	Second Flow Point Minutes	Press.	Final Shut-In Point Minutes	Press.
P 1	0	130	0	130	0	139	0	152
P 2	5	130	3	238	5	139	3	246
P 3	10	130	6	311	10	143	6	356
P 4	15	130	9	389	15	143	9	460
P 5	20	130	12	465	20	141	12	578
P 6	25	130	15	538	25	137	15	668
P 7	30	130	18	622	30	142	18	761
P 8	35	130	21	700	35	146	21	837
P 9	40	130	24	771	40	147	24	918
P10			27	838	45	149	27	990
P11			30	908	50	150	30	1056
P12			33	975	55	151	33	1111
P13			36	1034	60	152	36	1161
P14			39	1090			39	1202
P15			42	1136			42	1238
P16			45	1184			45	1269
P17			48	1222			48	1294
P18			51	1251			51	1314
P19			54	1276			54	1331
			57	1295				
P20			60	1315			57	1345
			63	1333			60	1356
			66	1343			63	1360

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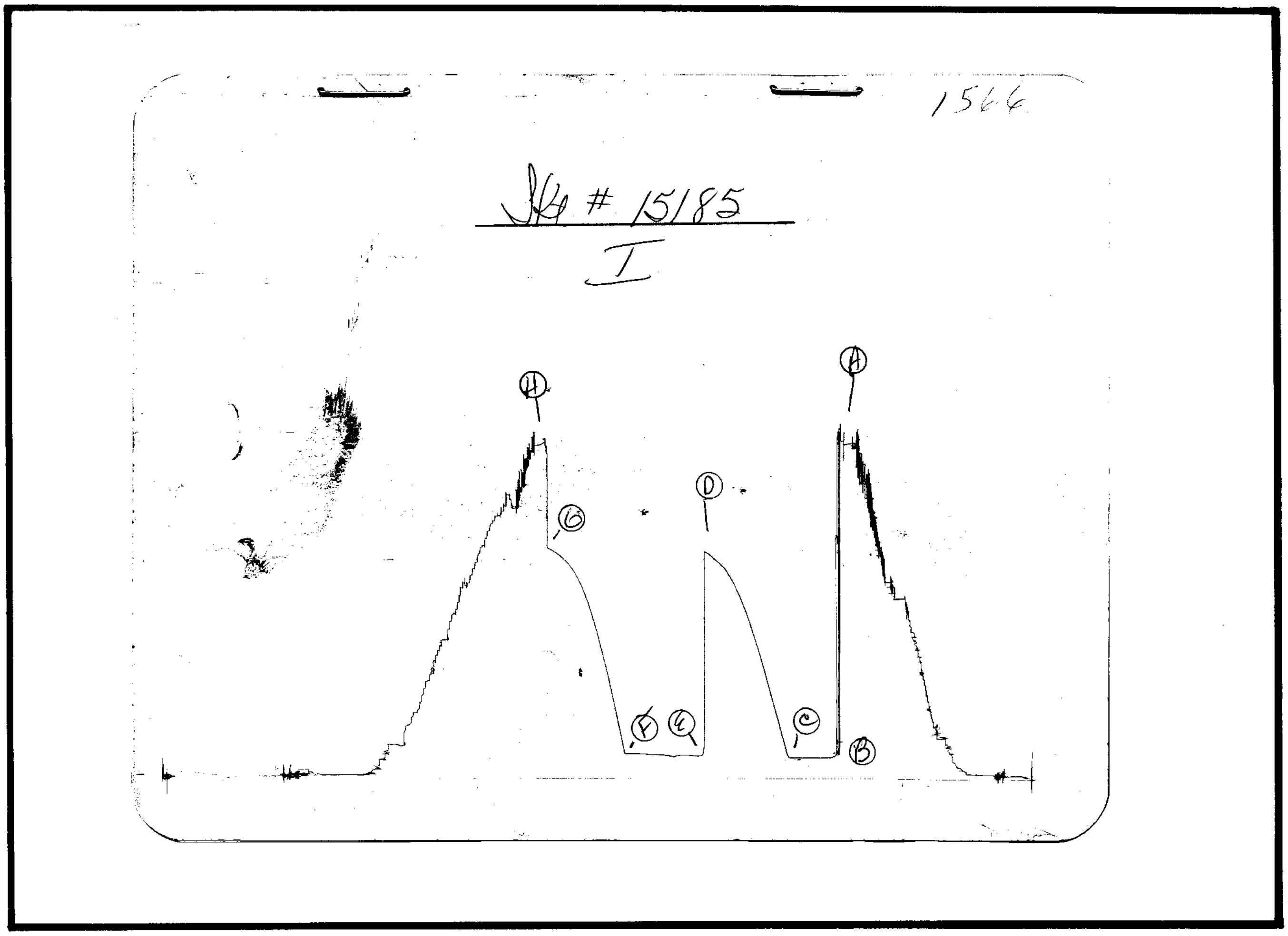

This is an actual photograph of recorder chart.

POINT		PRESSURE Field Reading	PRESSURE Office Reading	
(A)	Initial Hydrostatic Mud	1993	1996	PSI
(B)	First Initial Flow Pressure	151	130	PSI
(C)	First Final Flow Pressure	140	130	PSI
(D)	Initial Closed-in Pressure	1345	1343	PSI
(E)	Second Initial Flow Pressure	140	139	PSI
(F)	Second Final Flow Pressure	151	152	PSI
(G)	Final Closed-in Pressure	1355	1360	PSI
(H)	Final Hydrostatic Mud	1993	1965	PSI