Company: Eagle Explorations, Inc. | Lease & Well No.: Eagle Hagerman #1

Elevation: ---- | Formation: Arbuckle | Effective Pay: - Ft. | Ticket No.: 11994

Date: 7/10/81 | Sec.: 34 | Twp.: 19S | Range: 16W | County: Rush | State: Kansas

Test Approved by: James E. Gribi | Western Representative: Ray Schwager

Formation Test No.: 1 | Interval Tested from: 3680 ft. to: 3737 ft. | Total Depth: 3737 ft.

Packer Depth: 3675 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Packer Depth: 3680 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 3692 ft. | Recorder Number: 13269 | Cap.: 4375

Bottom Recorder Depth (Outside): 3695 ft. | Recorder Number: 13270 | Cap.: 4375

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

Drilling Contractor: Sarcee Drlg. Rig #2 | Drill Collar Length: 210 | I. D.: 2.2 in.

Mud Type: mylogel-premix | Viscosity: 47 | Weight Pipe Length: - | I. D.: - in.

Weight: 9.5 | Water Loss: 11.6 cc. | Drill Pipe Length: 2941 | I. D.: 3.8 in.

Chlorides: 39,000 P.P.M. | Test Tool Length: 29 ft. | Tool Size: 4½ in.

Jars: Make: WTC | Serial Number: 418 | Anchor Length: 57 ft. | Size: 5½ in.

Did Well Flow?: No | Reversed Out: NO | Surface Choke Size: 5/8 in. | Bottom Choke Size: 5/8 in.

Main Hole Size: 7 7/8 in. | Tool Joint Size: 4"FH in.

Blow: MISRUN

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: MISRUN NO PACKER SEAT

Time Set Packer(s): A.M. P.M. | Time Started Off Bottom: A.M. P.M. | Maximum Temperature:

Initial Hydrostatic Pressure (A) 1913 P.S.I.

Initial Flow Period Minutes (B) - P.S.I. to (C) - P.S.I.

Initial Closed In Period Minutes (D) - P.S.I.

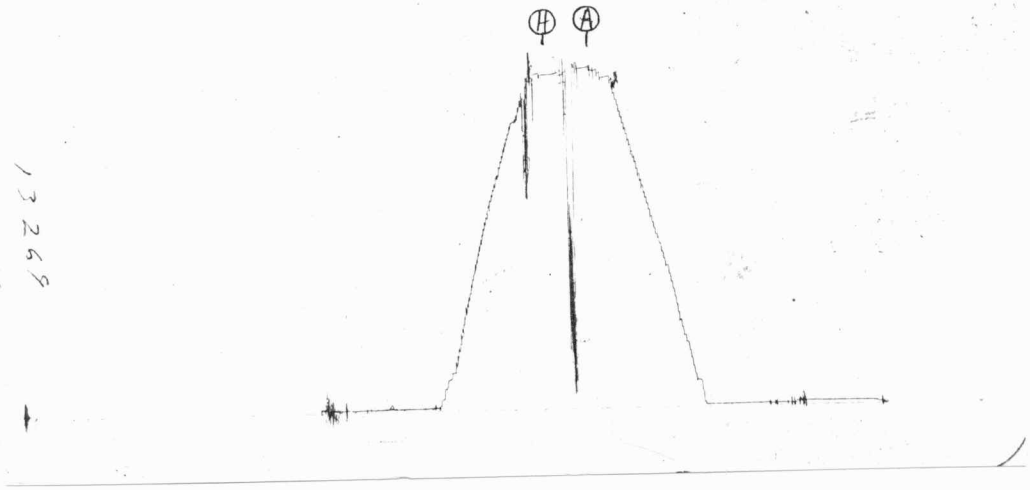
Final Flow Period Minutes (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period Minutes (G) - P.S.I.

Final Hydrostatic Pressure (H) 1886 P.S.I.

WTC-

IKT # 11994



13269

Company: Eagle Explorations, Inc. | Lease & Well No.: Eagle Hagerman #1

Elevation: ---- | Formation: Arbuckle | Effective Pay: - Ft. | Ticket No.: 11995

Date: 7/10/81 | Sec.: 34 | Twp.: 19S | Range: 16W | County: Rush | State: Kansas

Test Approved by: James E. Gribi | Western Representative: Ray Schwager

Formation Test No.: 2 | Interval Tested from: 3651 ft. to: 3737 ft. | Total Depth: 3737 ft.

Packer Depth: 3646 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Packer Depth: 3651 ft. | Size: 6 5/8 in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 3656 ft. | Recorder Number: 13269 | Cap.: 4375

Bottom Recorder Depth (Outside): 3659 ft. | Recorder Number: 13270 | Cap.: 4375

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

Drilling Contractor: Sarcee Drlg. Rig #2 | Drill Collar Length: 210 | I. D.: 2.2 in.

Mud Type: mylogel-premix | Viscosity: 47 | Weight Pipe Length: - | I. D.: - in.

Weight: 9.5 | Water Loss: 11.6 cc. | Drill Pipe Length: 3412 | I. D.: 3.8 in.

Chlorides: 39,000 P.P.M. | Test Tool Length: 29 ft. | Tool Size: 4½ in.

Jars: Make: WIC | Serial Number: 418 | Anchor Length: 86 ft. | Size: 5½ in.

Did Well Flow?: No | Reversed Out: No | Surface Choke Size: 5/8 in. | Bottom Choke Size: 5/8 in.

Main Hole Size: 7 7/8 in. | Tool Joint Size: 4"FH in.

Blow: Initial flow weak blow throughout. Final flow period weak blow; died in twenty-five minutes.

Recovered: 65 ft. of mud

Recovered: ft. of

Recovered: ft. of

Recovered: ft. of

Recovered: ft. of

Remarks:

Time Set Packer(s): 7:20 ~~A.M.~~ P.M. | Time Started Off Bottom: 11:20 ~~A.M.~~ P.M. | Maximum Temperature: 107°

Initial Hydrostatic Pressure		(A) 1921 P.S.I.		
Initial Flow Period	Minutes 30	(B) 69 P.S.I.	to (C) 69 P.S.I.	
Initial Closed In Period	Minutes 66	(D) 561 P.S.I.		
Final Flow Period	Minutes 60	(E) 59 P.S.I.	to (F) 81 P.S.I.	
Final Closed In Period	Minutes 93	(G) 379 P.S.I.		
Final Hydrostatic Pressure		(H) 1919 P.S.I.		

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 7/10/81 Test Ticket No. 11995

Recorder No. 13269 Capacity 4375 Location 3656 Ft.

Clock No. -- Elevation --- Well Temperature 107 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1921 P.S.I.		Open Tool	7:20P M	
B	First Initial Flow Pressure	69 P.S.I.		First Flow Pressure	30 Mins.	30 Mins.
C	First Final Flow Pressure	69 P.S.I.		Initial Closed-in Pressure	60 Mins.	66 Mins.
D	Initial Closed-in Pressure	561 P.S.I.		Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	59 P.S.I.		Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	81 P.S.I.				
G	Final Closed-in Pressure	379 P.S.I.				
H	Final Hydrostatic Mud	1919 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	69
P 2 5	69
P 3 10	69
P 4 15	69
P 5 20	69
P 6 25	69
P 7 30	69
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	69
3	77
6	93
9	183
12	187
15	197
18	211
21	233
24	253
27	275
30	297
33	319
36	346
39	370
42	399
45	426
48	451
51	476
54	496
57	515
60	532
63	552
66	561

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

Point Minutes	Press.
0	59
5	77
10	75
15	72
20	72
25	72
30	79
35	79
40	79
45	79
50	79
55	79
60	81

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	81
3	82
6	86
9	88
12	95
15	99
18	118
21	148
24	170
27	194
30	209
33	225
36	233
39	240
42	247
45	253
48	260
51	267
54	273
57	279
60	287

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 7/10/81 Test Ticket No. 11995

Recorder No. 13269 Capacity 4375 Location 3656 Ft.

Clock No. -- Elevation --- Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1921 P.S.I.	Open Tool	7:20P M	
B First Initial Flow Pressure	69 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	69 P.S.I.	Initial Closed-in Pressure	60 Mins.	66 Mins.
D Initial Closed-in Pressure	561 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	59 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	81 P.S.I.			
G Final Closed-in Pressure	379 P.S.I.			
H Final Hydrostatic Mud	1919 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 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: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	295
P 2						66	308
P 3						69	319
P 4						72	330
P 5						75	344
P 6						78	352
P 7						81	359
P 8						84	363
P 9						87	369
P10						90	374
P11						93	379
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TK+ #11995

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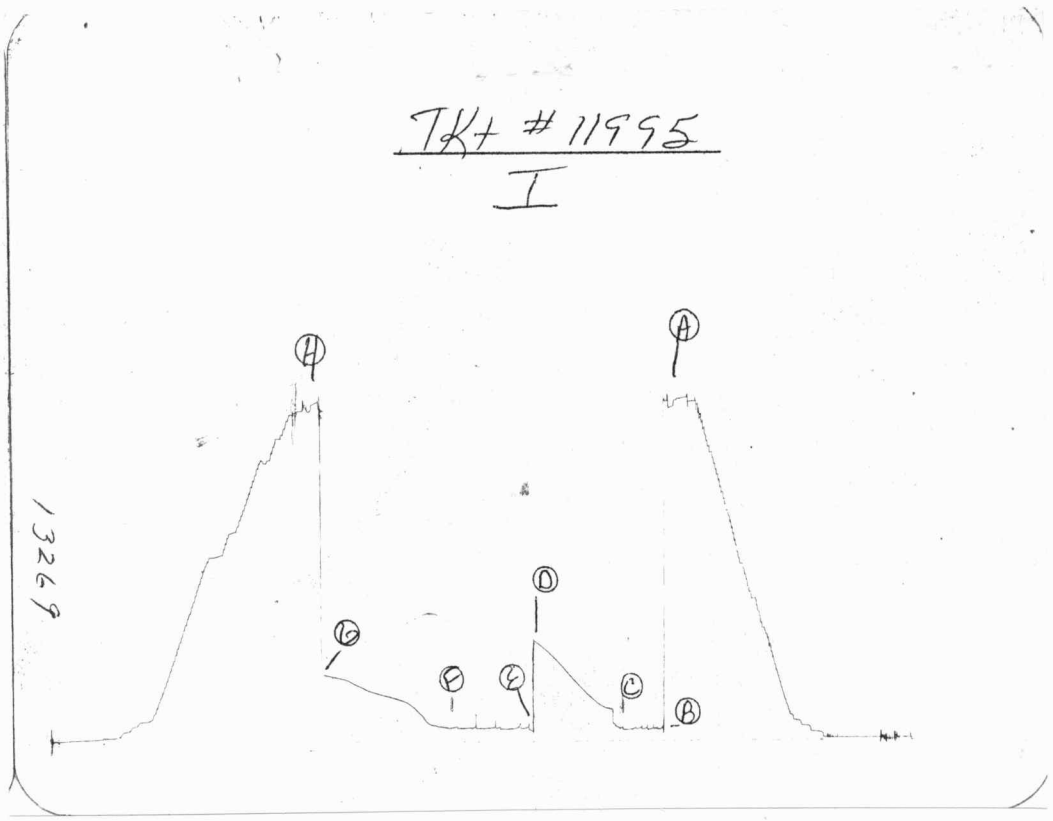

Company Eagle Explorations, Inc. Lease & Well No. Eagle Hagerman #1

Elevation ---- Formation Arbuckle Effective Pay - Ft. Ticket No. 11996

Date 7/11/81 Sec. 34 Twp. 19S Range 16W County Rush State Kansas

Test Approved by James E. Gribi Western Representative Ray Schwager

Formation Test No. 3 Interval Tested from 3737 ft. to 3760 ft. Total Depth 3760 ft.

Packer Depth 3732 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3737 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set --- -- -

Top Recorder Depth (Inside) 3749 ft. Recorder Number 13269 Cap. 4375

Bottom Recorder Depth (Outside) 3752 ft. Recorder Number 13270 Cap. 4375

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

Drilling Contractor Sarcee Drlg. Rig #2 Drill Collar Length 180 I. D. 2.2 in.

Mud Type mylogel-premix Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 11 cc. Drill Pipe Length - I. D. 3.8 in.

Chlorides 37,000 P.P.M. Test Tool Length 29 ft. Tool Size 4½ in.

Jars: Make WTC Serial Number 418 Anchor Length 23 ft. Size 5½ in.

Did Well Flow? NO Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4"FH in.

Blow: MISRUN

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of MISRUN NO PACKER SEAT

Remarks:

Time Set Packer(s) A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure (A) 1878 P.S.I.

Initial Flow Period Minutes (B) - P.S.I. to (C) - P.S.I.

Initial Closed In Period Minutes (D) - P.S.I.

Final Flow Period Minutes (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period Minutes (G) - P.S.I.

Final Hydrostatic Pressure (H) 1878 P.S.I.

WTC-1

TK# 11996

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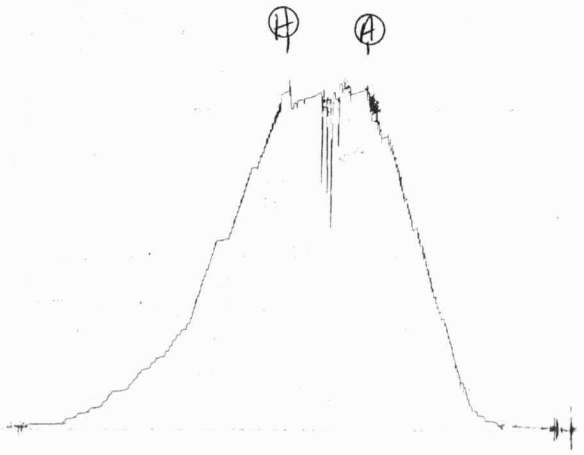


13269

Company Eagle Explorations, Inc. Lease & Well No. Eagle Hagerman #1

Elevation ---- Formation Arbuckle Effective Pay - Ft. Ticket No. 11997

Date 7/12/81 Sec. 34 Twp. 19S Range 16W County Rush State Kansas

Test Approved by James E. Gribi Western Representative Ray Schwager

Formation Test No. 4 Interval Tested from 3741 ft. to 3760 ft. Total Depth 3760 ft.

Packer Depth 3736 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Packer Depth 3741 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3748 ft. Recorder Number 13269 Cap. 4375

Bottom Recorder Depth (Outside) 3751 ft. Recorder Number 13270 Cap. 4375

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

Drilling Contractor Sarcee Drlg. Rig #2 Drill Collar Length 180 I. D. 2.2 in.

Mud Type mylogel Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.4 Water Loss 11 cc. Drill Pipe Length 3532 I. D. 3.8 in.

Chlorides 37,000 P.P.M. Test Tool Length 29 ft. Tool Size 4½ in.

Jars: Make WTC Serial Number 418 Anchor Length 19 ft. Size 5½ in.

Did Well Flow? No Reversed Out No Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4"FH in.

Blow: Initial flow fair blow throughout. Final flow period good blow thoroughout.

Recovered 120 ft. of mud

Recovered 420 ft. of slightly gassy mud oil stains on recorders

Recovered ft. of

Recovered ft. of MISURN PLUGGED TOOL

Recovered ft. of

Remarks: SET PACKERS TWICE ON INITIAL FLOW PERIOD: ON SECOND FLOW PERIOD PACKERS STARTED TO FAIL: PUT MORE WEIGHT ON THEM AND THEY HELD.

Time Set Packer(s) 1:55 A.M. ~~P.M.~~ Time Started Off Bottom 6:25 A.M. ~~P.M.~~ Maximum Temperature

Initial Hydrostatic Pressure (A) 1896 P.S.I.

Initial Flow Period Minutes (B) - P.S.I. to (C) - P.S.I.

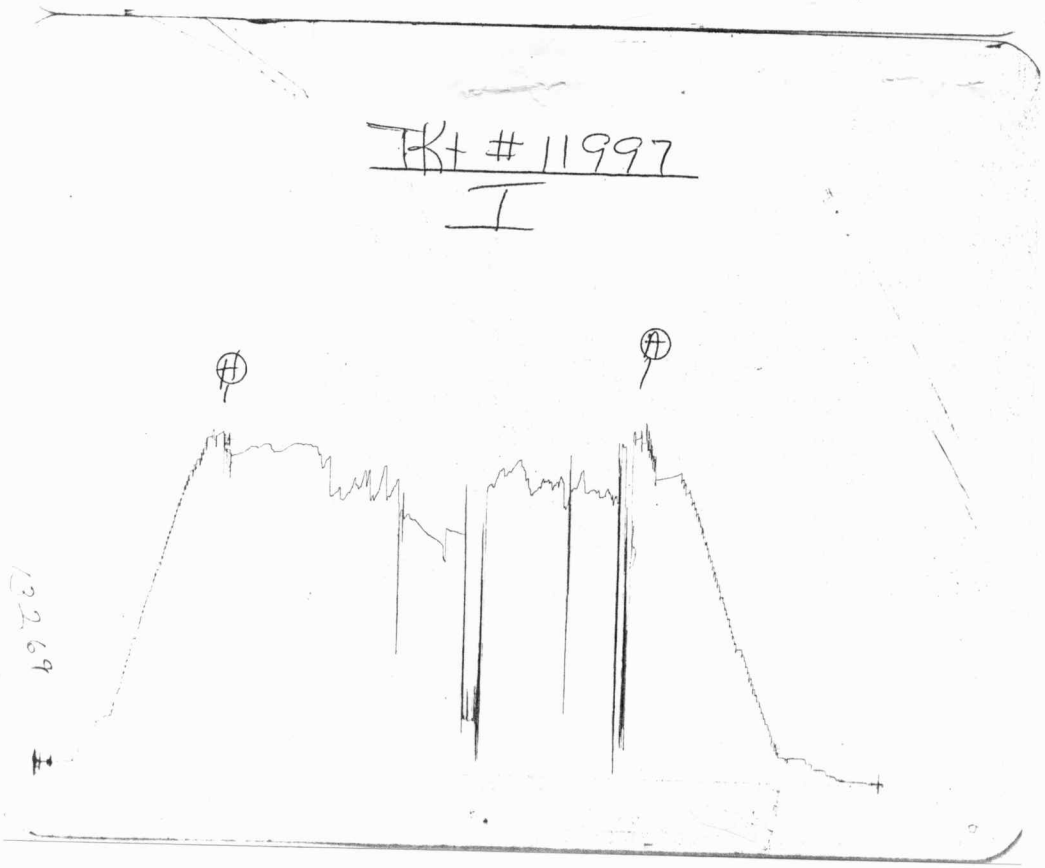
Initial Closed In Period Minutes (D) - P.S.I.

Final Flow Period Minutes (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period Minutes (G) - P.S.I.

Final Hydrostatic Pressure (H) 1859 P.S.I.

WTC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Company Eagle Explorations, Inc. Lease & Well No. Eagle Hagerman #1

Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 11999

Date 7-12-81 Sec. 34 Twp. 19S Range 16W County Rush State Kansas

Test Approved by James C. - Western Representative Ray Schwager

Formation Test No. 5 Interval Tested from 3767 ft. to 3783 ft. Total Depth 3783 ft.

Packer Depth 3762 ft. Size 6 5/8 in. Packer Depth 3767 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3772 ft. Recorder Number 13269 Cap. 4375

Bottom Recorder Depth (Outside) 3775 ft. Recorder Number 13270 Cap. 4375

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

Drilling Contractor Sarcee Drlg. (#2) Drill Collar Length 180 I. D. 2.2 in.

Mud Type Mylogel-premix Viscosity 49 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 11 cc. Drill Pipe Length 3556 I. D. 3.8 in.

Chlorides 27,000 P.P.M. Test Tool Length 29 ft. Tool Size 4½ in.

Jars: Make W.T.C. Serial Number 418 Anchor Length 18 ft. Size 5½ in.

Did Well Flow? No. Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4F.H. in.

Blow: Strong blow throughout initial flow period. Fiar blow building to strong blow on final flow period.

Recovered 1860 ft. of gassy salt water Chlorides 29,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:45 A.M. ~~P.M.~~ Time Started Off Bottom 5:15 A.M. ~~P.M.~~ Maximum Temperature 112

Initial Hydrostatic Pressure			(A)	1891	P.S.I.	
Initial Flow Period	Minutes 30		(B)	181	P.S.I. to (C)	688 P.S.I.
Initial Closed In Period	Minutes 60		(D)	1092	P.S.I.	
Final Flow Period	Minutes 65		(E)	713	P.S.I. to (F)	858 P.S.I.
Final Closed In Period	Minutes 126		(G)	1106	P.S.I.	
Final Hydrostatic Pressure			(H)	1836	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 7/12/81 Test Ticket No. 11999

Recorder No. 13269 Capacity 4375 Location 3772 Ft.

Clock No. - Elevation - Well Temperature 112 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1891	P.S.I.
B	First Initial Flow Pressure	181	P.S.I.
C	First Final Flow Pressure	688	P.S.I.
D	Initial Closed-in Pressure	1092	P.S.I.
E	Second Initial Flow Pressure	713	P.S.I.
F	Second Final Flow Pressure	858	P.S.I.
G	Final Closed-in Pressure	1106	P.S.I.
H	Final Hydrostatic Mud	1836	P.S.I.

	Time Given	Time Computed
Open Tool	12:45A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	65 Mins.
Final Closed-in Pressure	120 Mins.	126 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	181
P 2 5	319
P 3 10	416
P 4 15	515
P 5 20	585
P 6 25	663
P 7 30	688
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	688
3	963
6	998
9	1020
12	1033
15	1044
18	1053
21	1057
24	1061
27	1067
30	1070
33	1075
36	1077
39	1080
42	1083
45	1085
48	1088
51	1089
54	1090
57	1091
60	1092

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	713
5	717
10	735
15	750
20	767
25	780
30	791
35	804
40	816
45	828
50	839
55	845
60	854
65	858

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	858
3	1007
6	1029
9	1042
12	1050
15	1057
18	1061
21	1066
24	1070
27	1072
30	1075
33	1077
36	1079
39	1081
42	1083
45	1086
48	1088
51	1089
54	1090
57	1091
60	1092

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 7/12/81 Test Ticket No. 11999

Recorder No. 13269 Capacity 4375 Location 3772 Ft.

Clock No. - Elevation - Well Temperature 112 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1891	P.S.I.
B	First Initial Flow Pressure	181	P.S.I.
C	First Final Flow Pressure	688	P.S.I.
D	Initial Closed-in Pressure	1092	P.S.I.
E	Second Initial Flow Pressure	713	P.S.I.
F	Second Final Flow Pressure	858	P.S.I.
G	Final Closed-in Pressure	1106	P.S.I.
H	Final Hydrostatic Mud	1836	P.S.I.

	Time Given	Time Computed
Open Tool	12:45A M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	60 Mins.	65 Mins.
Final Closed-in Pressure	120 Mins.	126 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 13 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1093
P 2						66	1094
P 3						69	1095
P 4						72	1095
P 5						75	1096
P 6						78	1097
P 7						81	1098
P 8						84	1099
P 9						87	1099
P10						90	1100
P11						93	1101
P12						96	1101
P13						99	1102
P14						102	1102
P15						105	1103
P16						108	1104
P17						111	1104
P18						114	1105
P19						117	1105
P20						120	1105
						123	1106
						126	1106

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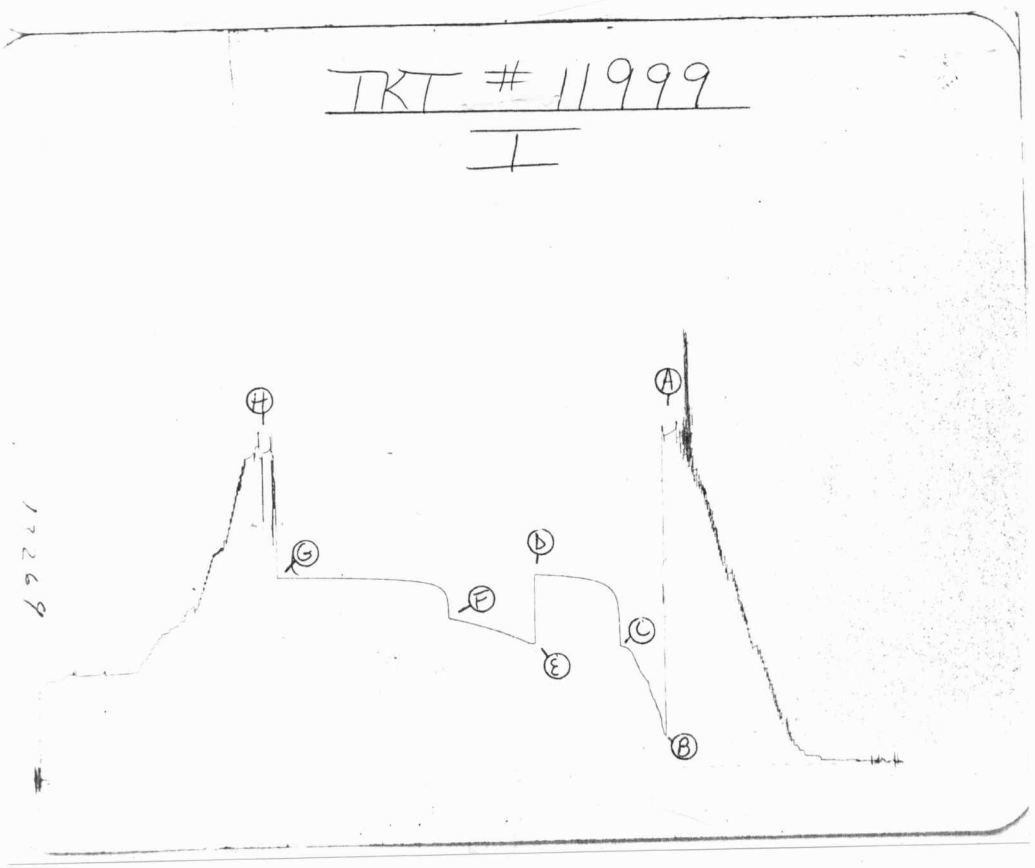

Company Eagle Explorations, Inc. Lease & Well No. Eagle Hagerman #1

Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 12000

Date 7-14-81 Sec. 34 Twp. 19S Range 16W County Rush State Kansas

Test Approved by Michael Pri Western Representative Ray Schwager

Formation Test No. 6 Interval Tested from 3738 ft. to 3762 ft. Total Depth 3825 ft.

Packer Depth 3738 ft. Size 6 5/8 in. Packer Depth 3762 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3744 ft. Recorder Number 13269 Cap. 4375

Bottom Recorder Depth (Outside) 3747 ft. Recorder Number 13270 Cap. 4375

Below Straddle Recorder Depth 3823 ft. Recorder Number Western Cap. -

Drilling Contractor Sarcee Drlg. (#2) Drill Collar Length 210 I. D. 2.2 in.

Mud Type Mylogel-premix Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 40 cc. Drill Pipe Length 3577 I. D. 3.8 in.

Chlorides 22,500 P.P.M. Test Tool Length 24 ft. Tool Size 4½ in.

Jars: Make W.T.C. Serial Number 418 Anchor Length 24 ft. Size 5½ in.

Did Well Flow? No. Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4F.H. in.

Blow:

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: Misrun, no packer seat. Packer held about 10 minutes, then lost seat.

Time Set Packer(s) A.M. P.M. Time Started Off Bottom A.M. P.M. Maximum Temperature

Initial Hydrostatic Pressure (A) 1826 P.S.I.

Initial Flow Period Minutes - (B) - P.S.I. to (C) - P.S.I.

Initial Closed In Period Minutes - (D) - P.S.I.

Final Flow Period Minutes - (E) - P.S.I. to (F) - P.S.I.

Final Closed In Period Minutes - (G) - P.S.I.

Final Hydrostatic Pressure (H) 1826 P.S.I.

WTC-1

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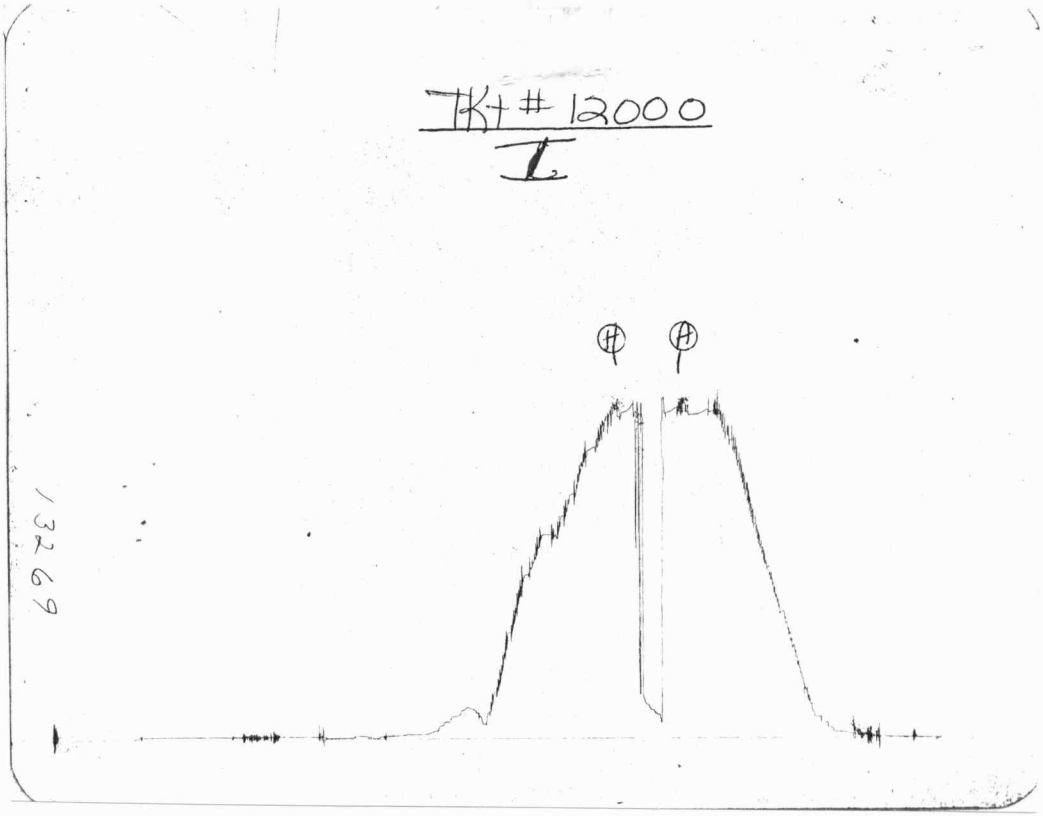
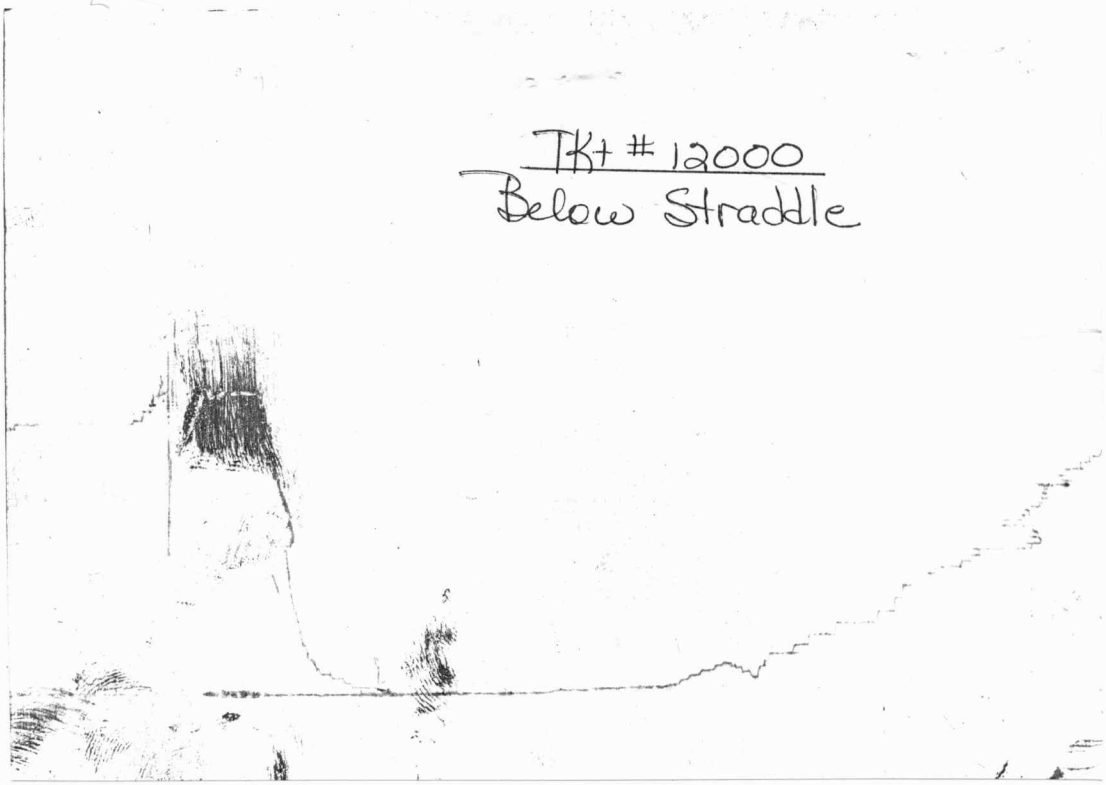


Tkt # 12000
Below Straddle



Company Eagle Explorations, Inc. Lease & Well No. Eagle Hagerman #1

Elevation - Formation Arbuckle Effective Pay - Ft. Ticket No. 9881

Date 7-15-81 Sec. 34 Twp. 19S Range 16W County Rush State Kansas

Test Approved by Michael Pri--- Western Representative Ray Schwager

Formation Test No. 7 Interval Tested from 3650 ft. to 3762 ft. Total Depth 3825 ft.

Packer Depth 3650 ft. Size 6 5/8 in. Packer Depth 3762 ft. Size 6 5/8 in.

Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3652 ft. Recorder Number 13269 Cap. 4375

Bottom Recorder Depth (Outside) 3655 ft. Recorder Number 13270 Cap. 4375

Below Straddle Recorder Depth 3822 ft. Recorder Number Western Cap. -

Drilling Contractor Sarcee Drlg. (#2) Drill Collar Length 210 I. D. 2.2 in.

Mud Type Mylogel-premix Viscosity 40 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 11.8 cc. Drill Pipe Length 3479 I. D. 3.8 in.

Chlorides 22,500 P.P.M. Test Tool Length 24 ft. Tool Size 4½ in.

Jars: Make W.T.C. Serial Number 418 Anchor Length 112 ft. Size 5½ in.

Did Well Flow? No. Reversed Out - Surface Choke Size 5/8 in. Bottom Choke Size 5/8 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4F.H. in.

Blow: Fair blow building to good blow on initial flow period. Weak blow throughout final flow period (1/2" to 2" blow).

Recovered 570 ft. of mud

Recovered 210 ft. of slightly gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks: We reset packers four times. Packers held on fourth time.

Time Set Packer(s) 11:54 A.M. ~~P.M.~~ Time Started Off Bottom 4:24 ~~A.M.~~ P.M. Maximum Temperature 107

Initial Hydrostatic Pressure			(A)	1796	P.S.I.	
Initial Flow Period	Minutes	35	(B)	372	P.S.I. to (C)	374 P.S.I.
Initial Closed In Period	Minutes	60	(D)	880	P.S.I.	
Final Flow Period	Minutes	90	(E)	388	P.S.I. to (F)	403 P.S.I.
Final Closed In Period	Minutes	93	(G)	815	P.S.I.	
Final Hydrostatic Pressure			(H)	1776	P.S.I.	

WTC-1

WESTERN TESTING CO., INC.
Pressure Data

Date 7-15-81 Test Ticket No. 9881

Recorder No. 13269 Capacity 4375 Location 3652 Ft.

Clock No. - Elevation - Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1796 P.S.I.	Open Tool	11:54A. M	
B First Initial Flow Pressure	372 P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	374 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	880 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	388 P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F Second Final Flow Pressure	403 P.S.I.			
G Final Closed-in Pressure	815 P.S.I.			
H Final Hydrostatic Mud	1776 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	372
P 2 5	372
P 3 10	372
P 4 15	372
P 5 20	372
P 6 25	372
P 7 30	372
P 8 35	374
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	374
3	591
6	600
9	622
12	643
15	667
18	687
21	709
24	726
27	746
30	761
33	776
36	793
39	807
42	820
45	833
48	843
51	854
54	865
57	873
60	880

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	388
5	388
10	388
15	388
20	388
25	390
30	392
35	394
40	395
45	396
50	396
55	396
60	396
65	397
70	398
75	499
80	401
85	402
90	403

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	403
3	412
6	438
9	460
12	482
15	502
18	520
21	539
24	557
27	572
30	589
33	604
36	620
39	633
42	648
45	661
48	672
51	683
54	693
57	704
60	715

WESTERN TESTING CO., INC.
Pressure Data

Date 7-15-81 Test Ticket No. 9881

Recorder No. 13269 Capacity 4375 Location 3652 Ft.

Clock No. - Elevation - Well Temperature 107 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	1796	P.S.I.	Open Tool	11:54A. M	
B	First Initial Flow Pressure	372	P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C	First Final Flow Pressure	374	P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	880	P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E	Second Initial Flow Pressure	388	P.S.I.	Final Closed-in Pressure	90 Mins.	93 Mins.
F	Second Final Flow Pressure	403	P.S.I.			
G	Final Closed-in Pressure	815	P.S.I.			
H	Final Hydrostatic Mud	1776	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 7 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 18 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 31 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	724
P 2						66	735
P 3						69	746
P 4						72	765
P 5						75	763
P 6						78	774
P 7						81	782
P 8						84	789
P 9						87	798
P10						90	804
P11						93	815
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 9881

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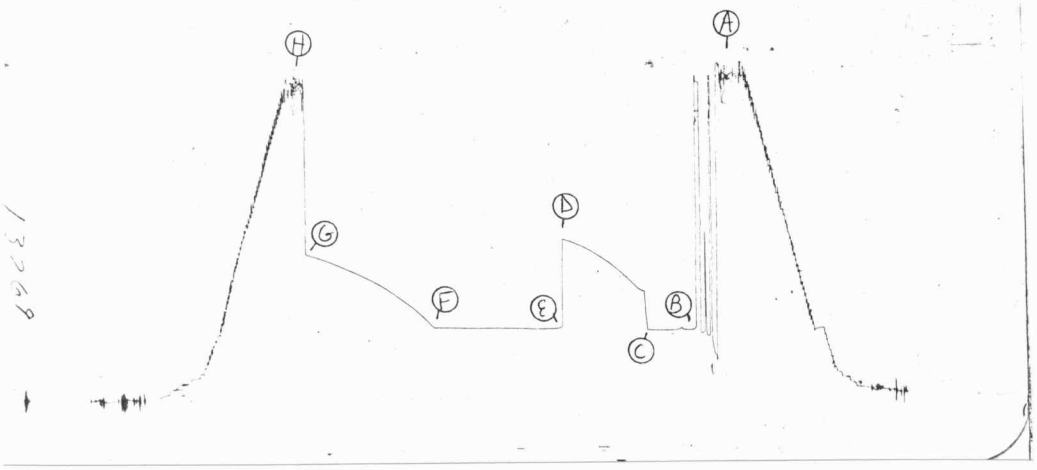
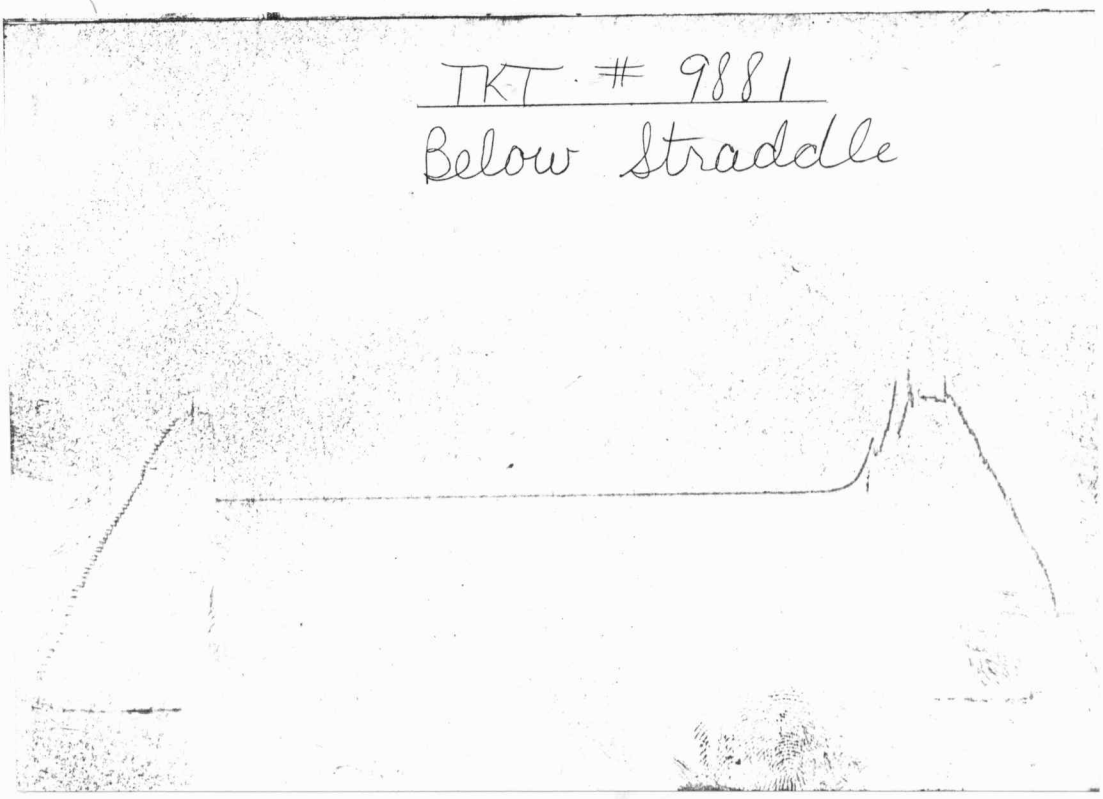


TKT # 9881

Below Straddle



Company: Eagle Explorations, Inc. | Lease & Well No.: Eagle Hagerman #1

Elevation: - | Formation: Topeka | Effective Pay: - Ft. | Ticket No.: 9882

Date: 7-16-81 | Sec.: 34 | Twp.: 19S | Range: 16W | County: Rush | State: Kansas

Test Approved by: James C. - | Western Representative: Ray Schwager

Formation Test No.: 8 | Interval Tested from: 3296 ft. to: 3326 ft. | Total Depth: 3825 ft.

Packer Depth: 3296 ft. | Size: 6 5/8 in. | Packer Depth: 3326 ft. | Size: 6 5/8 in.

Packer Depth: - ft. | Size: - in. | Packer Depth: - ft. | Size: - in.

Depth of Selective Zone Set: -

Top Recorder Depth (Inside): 3320 ft. | Recorder Number: 13269 | Cap.: 4375

Bottom Recorder Depth (Outside): 3323 ft. | Recorder Number: 13270 | Cap.: 4375

Below Straddle Recorder Depth: 3822 ft. | Recorder Number: Western | Cap.: -

Drilling Contractor: Sarcee Drlg. (#2) | Drill Collar Length: 240 | I. D.: 2.2 in.

Mud Type: Mylogel-premix | Viscosity: 40 | Weight Pipe Length: - | I. D.: - in.

Weight: 9.1 | Water Loss: 13.6 cc. | Drill Pipe Length: 3531 | I. D.: 3.8 in.

Chlorides: 24,000 P.P.M. | Test Tool Length: 24 ft. | Tool Size: 4½ in.

Jars: Make: W.T.C. | Serial Number: 418 | Anchor Length: 30 ft. | Size: 5½ in.

Did Well Flow?: No. | Reversed Out: - | Surface Choke Size: 5/8 in. | Bottom Choke Size: 5/8 in.

Main Hole Size: 7 7/8 in. | Tool Joint Size: 4F.H. in.

Blow: Fair blow building to strong blow throughout test.

Recovered 480 ft. of mud

Recovered 240 ft. of muddy water

Recovered 960 ft. of salt water Chlorides 68,000 PPM

Recovered ____ ft. of

Recovered ____ ft. of

Remarks: Set packers several times to get it to hold on initial flow period. Time started when we got packers to hold.

Time Set Packer(s): 12:15 A.M. ~~P.M.~~ | Time Started Off Bottom: 4:45 A.M. ~~P.M.~~ | Maximum Temperature: 110

Initial Hydrostatic Pressure		(A) 1673 P.S.I.	
Initial Flow Period	Minutes 20	(B) 469 P.S.I.	to (C) 552 P.S.I.
Initial Closed In Period	Minutes 63	(D) 1221 P.S.I.	
Final Flow Period	Minutes 60	(E) 580 P.S.I.	to (F) 804 P.S.I.
Final Closed In Period	Minutes 126	(G) 1219 P.S.I.	
Final Hydrostatic Pressure		(H) 1608 P.S.I.	

WTC-

WESTERN TESTING CO., INC.
Pressure Data

Date 7-16-81 Test Ticket No. 9882

Recorder No. 13269 Capacity 4375 Location 3320 Ft.

Clock No. - Elevation - Well Temperature 110 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1673	P.S.I.
B	First Initial Flow Pressure	469	P.S.I.
C	First Final Flow Pressure	552	P.S.I.
D	Initial Closed-in Pressure	1221	P.S.I.
E	Second Initial Flow Pressure	580	P.S.I.
F	Second Final Flow Pressure	804	P.S.I.
G	Final Closed-in Pressure	1219	P.S.I.
H	Final Hydrostatic Mud	1608	P.S.I.

	Time Given	Time Computed
Open Tool	12:15A. M	
First Flow Pressure	30 Mins.	20 Mins.
Initial Closed-in Pressure	60 Mins.	63 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	120 Mins.	126 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	469
P 2 5	478
P 3 10	498
P 4 15	522
P 5 20	552
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

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

Point Minutes	Press.
0	552
3	1158
6	1178
9	1189
12	1197
15	1202
18	1206
21	1208
24	1210
27	1212
30	1213
33	1214
36	1215
39	1216
42	1216
45	1217
48	1217
51	1218
54	1219
57	1219
60	1220
63	1221

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

Point Minutes	Press.
0	580
5	587
10	607
15	626
20	650
25	670
30	693
35	715
40	733
45	752
50	770
55	785
60	804
63	

Final Shut-In
Breakdown: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	804
3	1154
6	1173
9	1184
12	1191
15	1195
18	1199
21	1202
24	1204
27	1206
30	1208
33	1209
36	1210
39	1211
42	1212
45	1213
48	1213
51	1213
54	1213
57	1213
60	1214

Continued on next page

WESTERN TESTING CO., INC.
Pressure Data

Date 7-16-81 Test Ticket No. 9882

Recorder No. 13269 Capacity 4375 Location 3320 Ft.

Clock No. - Elevation - Well Temperature 110 °F

Point		Pressure	
A	Initial Hydrostatic Mud	1673	P.S.I.
B	First Initial Flow Pressure	469	P.S.I.
C	First Final Flow Pressure	552	P.S.I.
D	Initial Closed-in Pressure	1221	P.S.I.
E	Second Initial Flow Pressure	580	P.S.I.
F	Second Final Flow Pressure	804	P.S.I.
G	Final Closed-in Pressure	1219	P.S.I.
H	Final Hydrostatic Mud	1608	P.S.I.

	Time Given	Time Computed
Open Tool	12:15A. M	
First Flow Pressure	30 Mins.	20 Mins.
Initial Closed-in Pressure	60 Mins.	63 Mins.
Second Flow Pressure	60 Mins.	60 Mins.
Final Closed-in Pressure	120 Mins.	126 Mins.

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 4 Inc.
of 5 mins. and a
final inc. of 0 Min.

Initial Shut-In
Breakdown: 21 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: 42 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1215
P 2						66	1215
P 3						69	1216
P 4						72	1216
P 5						75	1217
P 6						78	1217
P 7						81	1217
P 8						84	1217
P 9						87	1217
P10						90	1217
P11						93	1217
P12						96	1217
P13						99	1217
P14						102	1217
P15						105	1217
P16						108	1218
P17						111	1218
P18						114	1218
P19						117	1218
P20						120	1219
						123	1219
						126	1219

TK+ #9882
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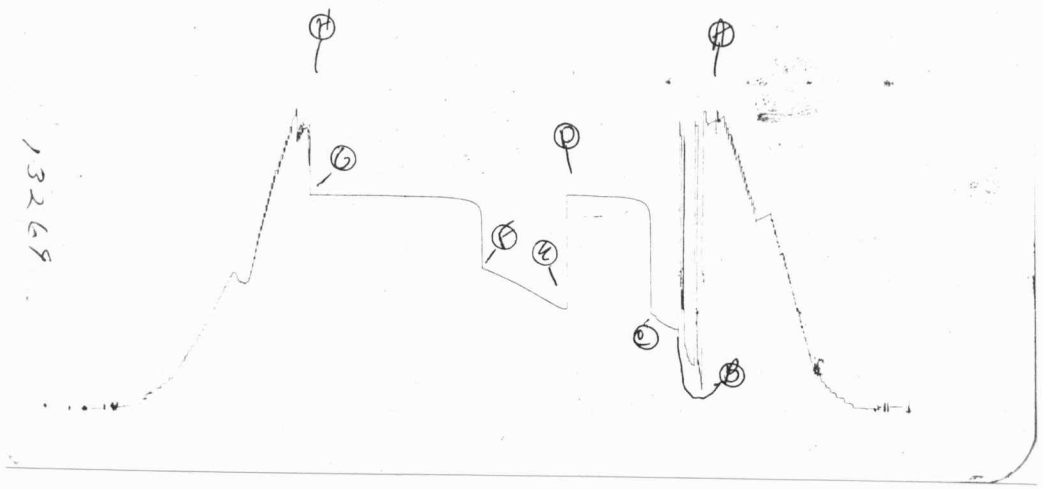

TK+ #9882
Below Straddle