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

Elevation - Formation Douglas Sand Effective Pay - Ft. Ticket No. 10978

Date 5/20/81 Sec. 23 Twp. 31S Range 13W County Barber State Kansas

Test Approved by Wes ? Western Representative Jeff Beauchamp-Lance Hutchinson

Formation Test No. 1 Interval Tested from 3559 ft. to 3585 ft. Total Depth 3585 ft.

Packer Depth 3554 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 3559 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3578 ft. Recorder Number 13267 Cap. 4500

Bottom Recorder Depth (Outside) 3581 ft. Recorder Number 11019 Cap. 4500

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

Drilling Contractor Sarcee Rig #5 Drill Collar Length 240 I. D. 2.2 in.

Mud Type Impermix Viscosity 31 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss N/C cc. Drill Pipe Length 3282 I. D. - in.

Chlorides 18,000 P.P.M. Test Tool Length 27 ft. Tool Size 5½OD in.

Jars: Make WTC Serial Number 410 Anchor Length 26 ft. Size 5½OD in.

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

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

Blow: Weak on initial flow period. Strong blow on final flow period.

Recovered 180 ft. of gas in pipe

Recovered 1586 ft. of gas cut water Chlorides 101,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

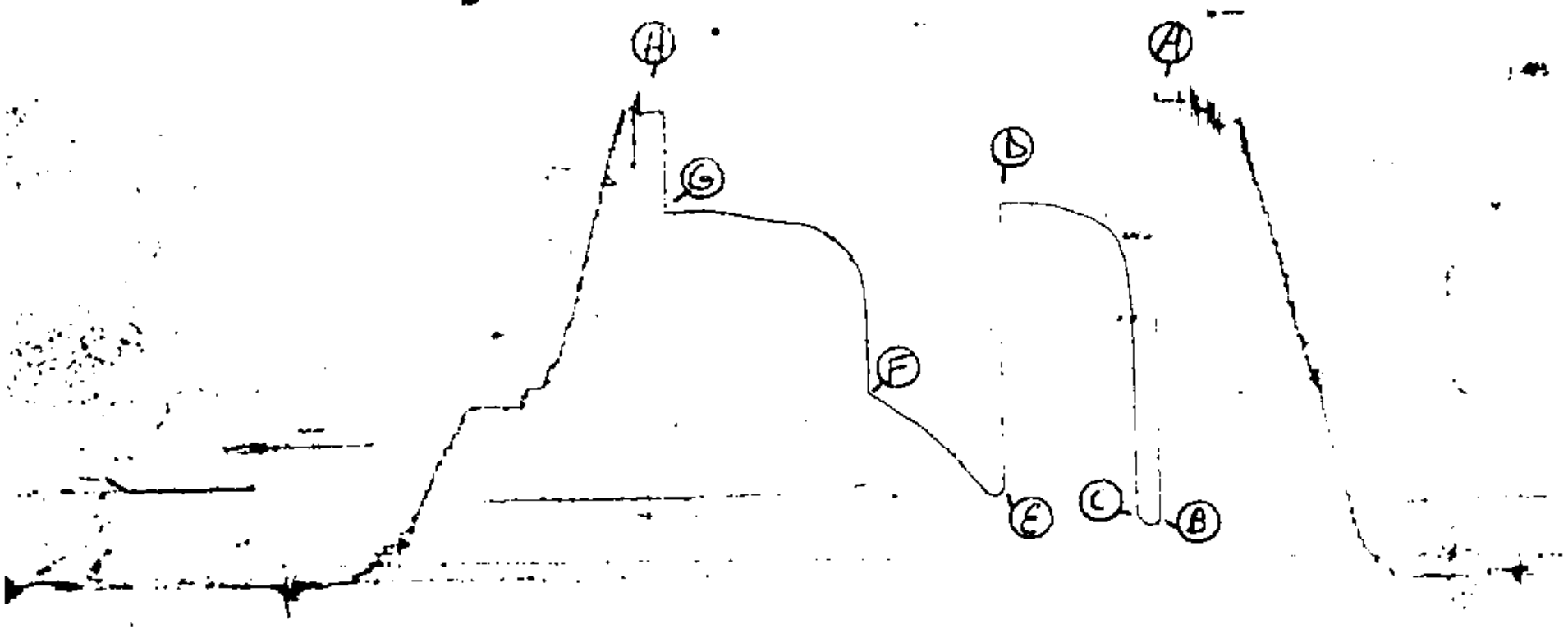
Remarks:

Read outside chart.

Time Set Packer(s) 8:30 ~~A.M.~~ P.M. Time Started Off Bottom 12:10 ~~A.M.~~ P.M. Maximum Temperature 111

Initial Hydrostatic Pressure		(A) 1606	P.S.I.	
Initial Flow Period	Minutes 10	(B) 124	P.S.I. to (C) 152	P.S.I.
Initial Closed In Period	Minutes 60	(D) 1251	P.S.I.	
Final Flow Period	Minutes 60	(E) 235	P.S.I. to (F) 590	P.S.I.
Final Closed In Period	Minutes 90	(G) 1231	P.S.I.	
Final Hydrostatic Pressure		(H) 1586	P.S.I.	

TKT #. 10478



WESTERN TESTING CO., INC.
Pressure Data

Date 5/20/81 Test Ticket No. 10978

Recorder No. 11019 Capacity 4500 Location 3581 Ft.

Clock No. - Elevation - Well Temperature 111 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	1606 P.S.I.	Open Tool	8:30A M	
B	First Initial Flow Pressure	124 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C	First Final Flow Pressure	152 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1251 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	235 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F	Second Final Flow Pressure	590 P.S.I.			
G	Final Closed-in Pressure	1231 P.S.I.			
H	Final Hydrostatic Mud	1586 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	124
P 2 5	118
P 3 10	152
P 4	
P 5	
P 6	
P 7	
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	152
3	1005
6	1097
9	1138
12	1163
15	1181
18	1194
21	1205
24	1212
27	1222
30	1229
33	1237
36	1243
39	1247
42	1249
45	1251
48	1251
51	1251
54	1251
57	1251
60	1251

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

Point Minutes	Press.
0	235
5	225
10	255
15	300
20	348
25	389
30	421
35	462
40	490
45	511
50	538
55	568
60	590

Final Shut-In
Breakdown: 30 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	590
3	993
6	1045
9	1085
12	1108
15	1129
18	1147
21	1161
24	1174
27	1182
30	1190
33	1192
36	1194
39	1196
42	1198
45	1200
48	1204
51	1208
54	1212
57	1216
60	1222

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 5/20/81 Test Ticket No. 10978

Recorder No. 11019 Capacity 4500 Location 3581 Ft.

Clock No. - Elevation - Well Temperature 111 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	1606 P.S.I.	Open Tool	8:30A	M		
B	First Initial Flow Pressure	124 P.S.I.	First Flow Pressure	10	Mins.	10	Mins.
C	First Final Flow Pressure	152 P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	1251 P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	235 P.S.I.	Final Closed-in Pressure	90	Mins.	90	Mins.
F	Second Final Flow Pressure	590 P.S.I.					
G	Final Closed-in Pressure	1231 P.S.I.					
H	Final Hydrostatic Mud	1586 P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: 2 Inc.		Breakdown: 20 Inc.		Breakdown: 12 Inc.		Breakdown: 30 Inc.	
of 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1225
P 2						66	1228
P 3						69	1230
P 4						72	1232
P 5						75	1235
P 6						78	1234
P 7						81	1233
P 8						84	1232
P 9						87	1232
P10							1231
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 10614

Date 5/22/81 Sec. 23 Twp. 31S Range 13W County Barber State Kansas

Test Approved by Wes ? Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4176 ft. to 4207 ft. Total Depth 4207 ft.

Packer Depth 4171 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4176 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4197 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4200 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Sarcee Drilling Rig #5 Drill Collar Length 232 I. D. 2¼ in.

Mud Type Premix-Impermix Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 10.6 cc. Drill Pipe Length 3923 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 31 ft. Size 5½OD in.

Did Well Flow? Yes 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 4½FH in.

Blow: Strong blow throughout test. Gas to surface in 1 minutes on preflow. See attached sheet for gas measurements.

Recovered 1 ft. of drilling mud (specks of oil)

Recovered ft. of

Recovered ft. of

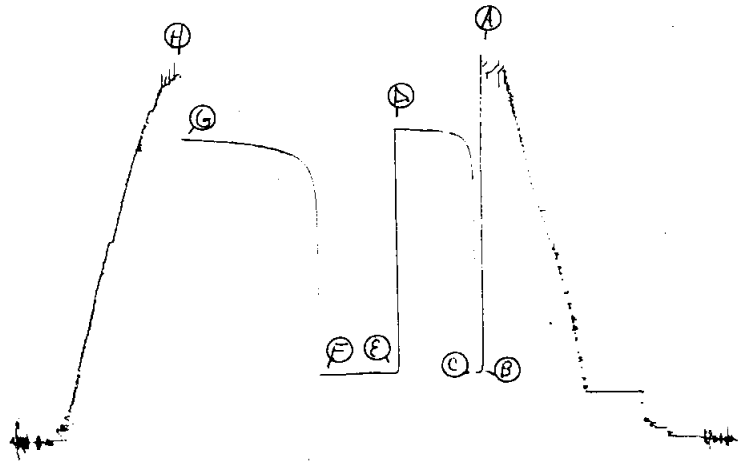
Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 7:15 ~~A.M.~~ P.M. Time Started Off Bottom 10:50 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure		(A) 2025	P.S.I.	
Initial Flow Period	Minutes 5	(B) 398	P.S.I. to (C) 388	P.S.I.
Initial Closed In Period	Minutes 60	(D) 1716	P.S.I.	
Final Flow Period	Minutes 60	(E) 394	P.S.I. to (F) 380	P.S.I.
Final Closed In Period	Minutes 99	(G) 1663	P.S.I.	
Final Hydrostatic Pressure		(H) 2004	P.S.I.	


H
G
D
A
F
E
C
B

GAS FLOW REPORT

Date 5/22/81 Ticket 10614 Company Eagle Explorations, Inc.

Well Name and No. #1 Eagle Packard Dst No. 2 Interval Tested 4176-4207

County Barber State Kansas Sec. 23 Twp. 31S Rg. 13W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
	Gas to surface in 1 minute		**PRE FLOW**			
			SECOND FLOW			
	5 Min	4 PSIG	2" Orifice			1,450,000 C.F.P.D.
	10 Min	6 PSIG	2" Orifice			1,790,000 C.F.P.D.
	20 Min	6 PSIG	2" Orifice			1,790,000 C.F.P.D.
	30 Min	6 PSIG	2" Orifice			1,790,000 C.F.P.D.
	40 Min	6 PSIG	2" Orifice			1,790,000 C.F.P.D.
	50 Min	5 PSIG	2" Orifice			1,630,000 C.F.P.D.
	60 Min	5 PSIG	2" Orifice			1,630,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 5/22/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of $75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Eagle Explorations, Inc.

Authorized by Wes ?

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 5/22/81 Test Ticket No. 10614

Recorder No. 2607 Capacity 4150 Location 4197 Ft.

Clock No. - Elevation - Well Temperature 120 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2025 P.S.I.	Open Tool	7:15P M	
B	First Initial Flow Pressure	398 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	388 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	1716 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	394 P.S.I.	Final Closed-in Pressure	90 Mins.	99 Mins.
F	Second Final Flow Pressure	380 P.S.I.			
G	Final Closed-in Pressure	1663 P.S.I.			
H	Final Hydrostatic Mud	2004 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 1 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	398
P 2 5	388
P 3	
P 4	
P 5	
P 6	
P 7	
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	388
3	1590
6	1643
9	1666
12	1679
15	1689
18	1694
21	1700
24	1702
27	1706
30	1709
33	1709
36	1709
39	1710
42	1711
45	1712
48	1713
51	1714
54	1715
57	1715
60	1716

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

Point Minutes	Press.
0	394
5	389
10	390
15	392
20	392
25	388
30	387
35	385
40	380
45	380
50	380
55	380
60	380

Final Shut-In
Breakdown: 33 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	380
3	1370
6	1464
9	1511
12	1536
15	1555
18	1569
21	1580
24	1588
27	1599
30	1605
33	1611
36	1618
39	1620
42	1626
45	1629
48	1632
51	1637
54	1640
57	1643
60	1645

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WESTERN TESTING CO., INC.
Pressure Data

Date 5/22/81 Test Ticket No. 10614

Recorder No. 2607 Capacity 4150 Location 4197 Ft.

Clock No. - Elevation - Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2025 P.S.I.	Open Tool	7:15P M	
B First Initial Flow Pressure	398 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	388 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1716 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	394 P.S.I.	Final Closed-in Pressure	90 Mins.	99 Mins.
F Second Final Flow Pressure	380 P.S.I.			
G Final Closed-in Pressure	1663 P.S.I.			
H Final Hydrostatic Mud	2004 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 1 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: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 33 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	1647
P 2						66	1649
P 3						69	1651
P 4						72	1652
P 5						75	1653
P 6						78	1655
P 7						81	1657
P 8						84	1659
P 9						87	1660
P10						90	1661
P11						93	1662
P12						96	1662
P13						99	1663
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 10615

Date 5/23/81 Sec. 23 Twp. 31S Range 13W County Barber State Kansas

Test Approved by Wes ? Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4207 ft. to 4219 ft. Total Depth 4219 ft.

Packer Depth 4202 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4207 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4210 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4213 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Sarcee Drilling Rig #5 Drill Collar Length 232 I. D. 2¼ in.

Mud Type Premix-Impermix Viscosity 36 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 10.6 cc. Drill Pipe Length 3954 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 12 ft. Size 5½OD 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 4½FH in.

Blow: Fair blow throughout initial flow period. Strong blow throughout final flow period.

Recovered 20 ft. of gas cut mud

Recovered 50 ft. of gas cut mud (slightly oil cut)

Recovered ft. of

Recovered ft. of

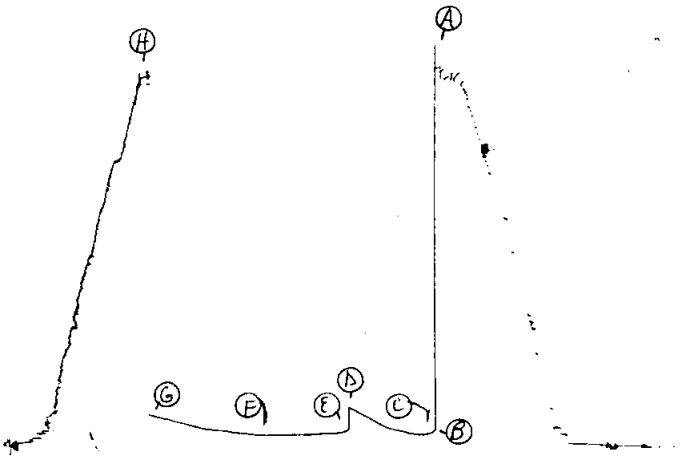
Recovered ft. of

Remarks:

Time Set Packer(s) 10:40 ~~A.M.~~ ~~P.M.~~ Time Started Off Bottom 2:15 ~~A.M.~~ P.M. Maximum Temperature 120

Initial Hydrostatic Pressure			(A)	2056	P.S.I.	
Initial Flow Period	Minutes	5	(B)	87	P.S.I. to (C)	78 P.S.I.
Initial Closed In Period	Minutes	60	(D)	216	P.S.I.	
Final Flow Period	Minutes	60	(E)	91	P.S.I. to (F)	69 P.S.I.
Final Closed In Period	Minutes	84	(G)	175	P.S.I.	
Final Hydrostatic Pressure			(H)	2035	P.S.I.	

INF. # 10613



WESTERN TESTING CO., INC.
Pressure Data

Date 5/23/81 Test Ticket No. 10615

Recorder No. 2607 Capacity 4150 Location 4210 Ft.

Clock No. - Elevation - Well Temperature 120 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2056 P.S.I.	Open Tool	10:40A M	
B First Initial Flow Pressure	87 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	216 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	91 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F Second Final Flow Pressure	69 P.S.I.			
G Final Closed-in Pressure	175 P.S.I.			
H Final Hydrostatic Mud	2035 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 1 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	87
P 2 5	78
P 3	
P 4	
P 5	
P 6	
P 7	
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	78
3	74
6	74
9	74
12	78
15	82
18	88
21	93
24	97
27	101
30	108
33	116
36	127
39	140
42	150
45	161
48	173
51	185
54	199
57	207
60	216

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

Point Minutes	Press.
0	91
5	82
10	79
15	79
20	78
25	74
30	72
35	72
40	71
45	71
50	70
55	70
60	69

Final Shut-In
Breakdown: 28 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	69
3	70
6	70
9	72
12	76
15	80
18	82
21	83
24	87
27	89
30	92
33	95
36	97
39	99
42	104
45	106
48	109
51	114
54	118
57	125
60	131

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.

Pressure Data

Date 5/23/81 Test Ticket No. 10615

Recorder No. 2607 Capacity 4150 Location 4210 Ft.

Clock No. - Elevation - Well Temperature 120 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2056 P.S.I.	Open Tool	10:40A M	
B	First Initial Flow Pressure	87 P.S.I.	First Flow Pressure	5 Mins.	5 Mins.
C	First Final Flow Pressure	78 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D	Initial Closed-in Pressure	216 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E	Second Initial Flow Pressure	91 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F	Second Final Flow Pressure	69 P.S.I.			
G	Final Closed-in Pressure	175 P.S.I.			
H	Final Hydrostatic Mud	2035 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 1 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: 12 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 28 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	135
P 2						66	140
P 3						69	148
P 4						72	154
P 5						75	159
P 6						78	163
P 7						81	169
P 8						84	175
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

Elevation - Formation Mississippi Effective Pay - Ft. Ticket No. 10616

Date 5/24/81 Sec. 23 Twp. 31S Range 13W County Barber State Kansas

Test Approved by William A Sladek Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4219 ft. to 4234 ft. Total Depth 4234 ft.

Packer Depth 4214 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4219 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4224 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4227 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Sarcee Drilling Rig #5 Drill Collar Length 232 I. D. 2¼ in.

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

Weight 9.0 Water Loss 8.2 cc. Drill Pipe Length 3966 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 21 ft. Tool Size 5½OD in.

Jars: Make - Serial Number - Anchor Length 15 ft. Size 5½OD 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 4½FH in.

Blow: Very weak blow throughout test

Recovered 60 ft. of drilling mud (few specks of oil)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 4:00 A.M. P.M. Time Started Off Bottom 7:40 A.M. P.M. Maximum Temperature 121

Initial Hydrostatic Pressure (A) 2056 P.S.I.

Initial Flow Period Minutes 10 (B) 116 P.S.I. to (C) 97 P.S.I.

Initial Closed In Period Minutes 60 (D) 129 P.S.I.

Final Flow Period Minutes 60 (E) 110 P.S.I. to (F) 99 P.S.I.

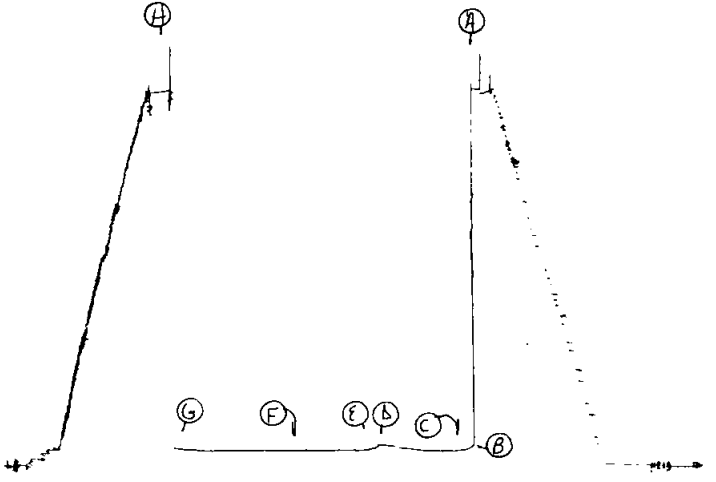
Final Closed In Period Minutes 87 (G) 110 P.S.I.

Final Hydrostatic Pressure (H) 2035 P.S.I.

WTC-

TKT #10616

I



WESTERN TESTING CO., INC.
Pressure Data

Date 5/24/81 Test Ticket No. 10616

Recorder No. 2607 Capacity 4150 Location 4224 Ft.

Clock No. - Elevation - Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2056 P.S.I.	Open Tool	4:00A M	
B First Initial Flow Pressure	116 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C First Final Flow Pressure	97 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	129 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	110 P.S.I.	Final Closed-in Pressure	90 Mins.	87 Mins.
F Second Final Flow Pressure	99 P.S.I.			
G Final Closed-in Pressure	110 P.S.I.			
H Final Hydrostatic Mud	2035 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	116
P 2 5	104
P 3 10	97
P 4	
P 5	
P 6	
P 7	
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	97
3	95
6	95
9	95
12	95
15	95
18	95
21	95
24	95
27	97
30	100
33	103
36	106
39	107
42	109
45	112
48	118
51	123
54	125
57	127
60	129

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

Point Minutes	Press.
0	110
5	101
10	99
15	99
20	99
25	99
30	99
35	99
40	99
45	99
50	99
55	99
60	99

Final Shut-In
Breakdown: 29 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	99
3	99
6	99
9	99
12	99
15	99
18	99
21	99
24	99
27	99
30	99
33	99
36	99
39	99
42	99
45	99
48	99
51	99
54	99
57	99
60	98

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 5/24/81 Test Ticket No. 10616

Recorder No. 2607 Capacity 4150 Location 4224 Ft.

Clock No. - Elevation - Well Temperature 121 °F

Point		Pressure		Time Given		Time Computed	
A	Initial Hydrostatic Mud	2056 P.S.I.	Open Tool	4:00A	M		
B	First Initial Flow Pressure	116 P.S.I.	First Flow Pressure	10	Mins.	10	Mins.
C	First Final Flow Pressure	97 P.S.I.	Initial Closed-in Pressure	60	Mins.	60	Mins.
D	Initial Closed-in Pressure	129 P.S.I.	Second Flow Pressure	60	Mins.	60	Mins.
E	Second Initial Flow Pressure	110 P.S.I.	Final Closed-in Pressure	90	Mins.	87	Mins.
F	Second Final Flow Pressure	99 P.S.I.					
G	Final Closed-in Pressure	110 P.S.I.					
H	Final Hydrostatic Mud	2035 P.S.I.					

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 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: 12 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 29 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	98
P 2						66	100
P 3						69	102
P 4						72	104
P 5						75	105
P 6						78	107
P 7						81	108
P 8						84	109
P 9						87	110
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

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

Elevation: ---- | Formation: Arbuckle | Effective Pay: - Ft. | Ticket No.: 11385

Date: 5/26/81 | Sec.: 23 | Twp.: 31S | Range: 13W | County: Barber | State: Kansas

Test Approved by: Wes G---- | Western Representative: Darrell Claphan

Formation Test No. 5 | Interval Tested from 4634 ft. to 4644 ft. | Total Depth 4644 ft.

Packer Depth 4629 ft. | Size 6 3/4 in. | Packer Depth 4634 ft. | Size 6 3/4 in.

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

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4636 ft. | Recorder Number 10980 | Cap. 4200

Bottom Recorder Depth (Outside) 4640 ft. | Recorder Number 6233 | Cap. 4000

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

Drilling Contractor Sarcee Drlg. Co. Rig #5 | Drill Collar Length 240 | I. D. 2.2 in.

Mud Type premix--starch | Viscosity 44 | Weight Pipe Length - | I. D. - in.

Weight 9.1 | Water Loss 8.2 cc. | Drill Pipe Length 4363 | I. D. - in.

Chlorides 10,000 P.P.M. | Test Tool Length 31 ft. | Tool Size 4.5 in.

Jars: Make WTC | Serial Number 414 | Anchor Length 10 ft. | Size 5.5 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 4.5 in.

Blow: Initial flow period weak building to good blow one inch to nine inches.
Final flow period weak blow building.

Recovered 210 ft. of mud

Recovered 120 ft. of muddy water Chlorides 45,000 ppm

Recovered ft. of

Recovered ft. of

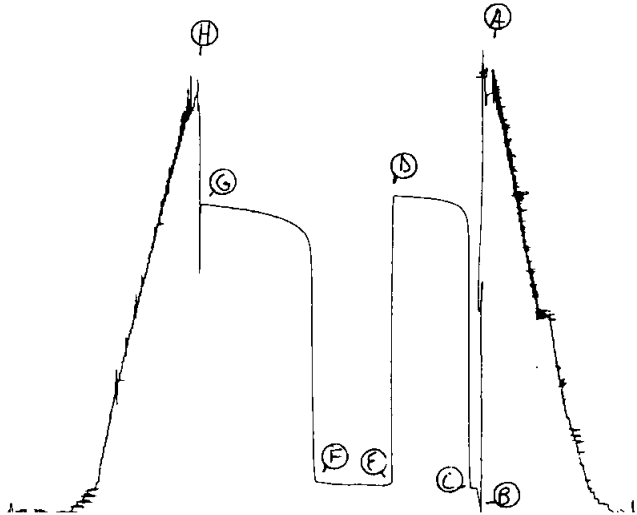
Recovered ft. of

Remarks:

Time Set Packer(s) 8:45 A.M. P.M. | Time Started Off Bottom 12:25 A.M. P.M. | Maximum Temperature 135°

Initial Hydrostatic Pressure		(A) 2305 P.S.I.		
Initial Flow Period	Minutes 10	(B) 66 P.S.I.	to (C) 166 P.S.I.	
Initial Closed In Period	Minutes 54	(D) 1769 P.S.I.		
Final Flow Period	Minutes 55	(E) 190 P.S.I.	to (F) 201 P.S.I.	
Final Closed In Period	Minutes 84	(G) 1722 P.S.I.		
Final Hydrostatic Pressure		(H) 2294 P.S.I.		

TKT # 11385



WESTERN TESTING CO., INC.
Pressure Data

Date 5/26/81 Test Ticket No. 11385

Recorder No. 10980 Capacity 4200 Location 4636 Ft.

Clock No. - Elevation - Well Temperature 135 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2305 P.S.I.	Open Tool	8:45 M	
B	First Initial Flow Pressure	66 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C	First Final Flow Pressure	166 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D	Initial Closed-in Pressure	1769 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	190 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F	Second Final Flow Pressure	201 P.S.I.			
G	Final Closed-in Pressure	1722 P.S.I.			
H	Final Hydrostatic Mud	2294 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Point Mins.	Press.
P 1 0	66
P 2 5	166
P 3 10	166
P 4	
P 5	
P 6	
P 7	
P 8	
P 9	
P10	
P11	
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 18 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	166
3	1674
6	1707
9	1718
12	1730
15	1736
18	1742
21	1747
24	1751
27	1754
30	1756
33	1758
36	1760
39	1762
42	1764
45	1765
48	1767
51	1768
54	1769

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	190
5	182
10	183
15	183
20	184
25	184
30	185
35	187
40	189
45	191
50	196
55	201

Final Shut-In
Breakdown: 28 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	201
3	1502
6	1559
9	1583
12	1614
15	1619
18	1628
21	1638
24	1648
27	1655
30	1661
33	1665
36	1670
39	1674
42	1677
45	1680
48	1683
51	1686
54	1689
57	1695
60	1699

continued next page

WESTERN TESTING CO., INC.
Pressure Data

Date 5/26/81 Test Ticket No. 11385

Recorder No. 10980 Capacity 4200 Location 4636 Ft.

Clock No. - Elevation - Well Temperature 135 °F

Point		Pressure		Time Given	Time Computed
A	Initial Hydrostatic Mud	2305 P.S.I.	Open Tool	8:45 M	
B	First Initial Flow Pressure	66 P.S.I.	First Flow Pressure	10 Mins.	10 Mins.
C	First Final Flow Pressure	166 P.S.I.	Initial Closed-in Pressure	60 Mins.	54 Mins.
D	Initial Closed-in Pressure	1769 P.S.I.	Second Flow Pressure	60 Mins.	55 Mins.
E	Second Initial Flow Pressure	190 P.S.I.	Final Closed-in Pressure	90 Mins.	84 Mins.
F	Second Final Flow Pressure	201 P.S.I.			
G	Final Closed-in Pressure	1722 P.S.I.			
H	Final Hydrostatic Mud	2294 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 2 Inc. of 5 mins. and a final inc. of 0 Min.

Initial Shut-In
Breakdown: 18 Inc. of 3 mins. and a final inc. of 0 Min.

Second Flow Pressure
Breakdown: 11 Inc. of 5 mins. and a final inc. of 0 Min.

Final Shut-In
Breakdown: 28 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	1703
P 2						66	1707
P 3						69	1710
P 4						72	1712
P 5						75	1714
P 6						78	1714
P 7						81	1720
P 8						84	1722
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							