IRT #12982

1540

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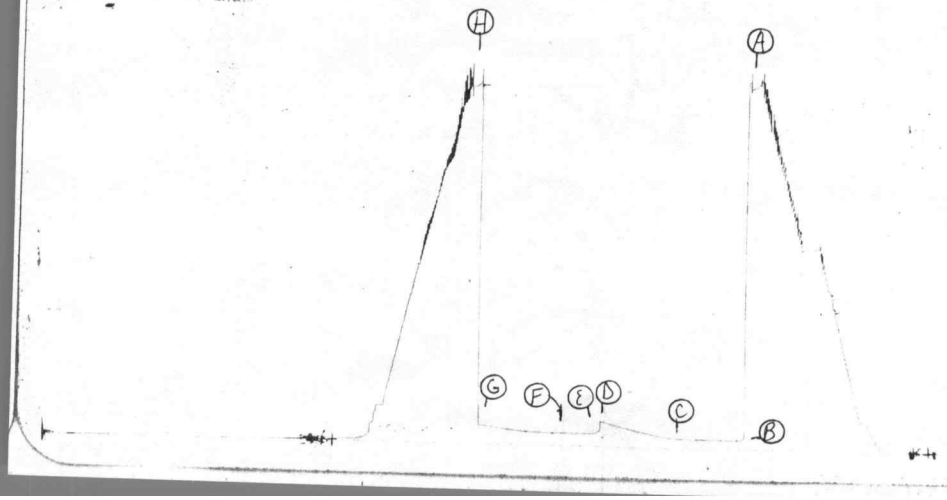

Company Hummon Corporation — Lease & Well No. Riffey #2

Elevation 1892 Kelly Bushing — Formation Mississippi — Effective Pay - Ft. — Ticket No. 12982

Date 9/21/81 — Sec. 6 — Twp. 29S — Range 12W — County Pratt — State Kansas

Test Approved by Tim Pierce — Western Representative Louis Spencer

Formation Test No. 1 — Interval Tested from 4185 ft. to 4202 ft. — Total Depth 4202 ft.

Packer Depth 4185 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) 4188 ft. — Recorder Number 1560 — Cap. 4500

Bottom Recorder Depth (Outside) 4191 ft. — Recorder Number 11019 — Cap. 4500

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

Drilling Contractor

Mud Type drispac — Viscosity 38 — Drill Collar Length 377 — I. D. 2.25 in.

Weight 9.3 — Water Loss 16.4 cc. — Weight Pipe Length - — I. D. - in.

Chlorides 14,000 P.P.M. — Drill Pipe Length 3793 — I. D. 3.8 in.

Jars: Make - — Serial Number - — Test Tool Length 15 ft. — Tool Size 5½ in.

Did Well Flow? NO — Reversed Out No — Anchor Length 17 ft. — Size 5½ in.

Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 3½ in.

Blow: Weak - one half inch in bucket and decreasing on initial flow period.

Recovered 70 ft. of mud with oil spots Chlorides 15,000 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:17 ~~A.M.~~ ~~P.M.~~ — Time Started Off Bottom 6:02 A.M. P.M. — Maximum Temperature 109°

Initial Hydrostatic Pressure			(A) 2096	P.S.I.		
Initial Flow Period	Minutes 50	(B) 56	P.S.I. to	(C) 58	P.S.I.	
Initial Closed In Period	Minutes 57	(D) 153	P.S.I.			
Final Flow Period	Minutes 30	(E) 79	P.S.I. to	(F) 79	P.S.I.	
Final Closed In Period	Minutes 60	(G) 116	P.S.I.			
Final Hydrostatic Pressure			(H) 2096	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9/21/81

Test Ticket No. 12982

Recorder No. 1560 Capacity 4500 Location 4188 Ft.

Clock No. -- Elevation 1892 Kelly Bushing Well Temperature 109 °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	2096 P.S.I.		Open Tool	2:17A M	
B	First Initial Flow Pressure	56 P.S.I.		First Flow Pressure	45 Mins.	50 Mins.
C	First Final Flow Pressure	58 P.S.I.		Initial Closed-in Pressure	60 Mins.	57 Mins.
D	Initial Closed-in Pressure	153 P.S.I.		Second Flow Pressure	30 Mins.	30 Mins.
E	Second Initial Flow Pressure	79 P.S.I.		Final Closed-in Pressure	60 Mins.	60 Mins.
F	Second Final Flow Pressure	79 P.S.I.				
G	Final Closed-in Pressure	116 P.S.I.				
H	Final Hydrostatic Mud	2096 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 10 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Mins.	Press.
P 1 0	56
P 2 5	56
P 3 10	56
P 4 15	56
P 5 20	56
P 6 25	56
P 7 30	56
P 8 35	57
P 9 40	57
P10 45	58
P11 50	58
P12	
P13	
P14	
P15	
P16	
P17	
P18	
P19	
P20	

Initial Shut-In
Breakdown: 19 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	58
3	58
6	62
9	65
12	69
15	73
18	78
21	82
24	87
27	93
30	100
33	104
36	110
39	116
42	122
45	130
48	136
51	141
54	148
57	153

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

Point Minutes	Press.
0	79
5	79
10	79
15	79
20	79
25	79
30	79

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

Point Minutes	Press.
0	79
3	79
6	79
9	79
12	80
15	80
18	81
21	81
24	82
27	83
30	86
33	88
36	90
39	94
42	98
45	102
48	106
51	110
54	112
57	114
60	116

Company Hummon Corporation — Lease & Well No. Riffey #2

Elevation 1812 Kelly Bushing — Formation Viola — Effective Pay - Ft. — Ticket No. 12983

Date 9/23/81 — Sec. 6 — Twp. 29S — Range 12W — County Pratt — State Kansas

Test Approved by Tim Pierce — Western Representative Louis Spencer

Formation Test No. 2 — Interval Tested from 4431 ft. to 4441 ft. — Total Depth 4441 ft.

Packer Depth 4431 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) 4433 ft. — Recorder Number 1560 — Cap. 4500

Bottom Recorder Depth (Outside) 4436 ft. — Recorder Number 11019 — Cap. 4500

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

Drilling Contractor Big H — Drill Collar Length 377 — I. D. 2.25 in.

Mud Type Drispac — Viscosity 43 — Weight Pipe Length - — I. D. - in.

Weight 9.4 — Water Loss 11.6 cc. — Drill Pipe Length 4039 — I. D. 3.8 in.

Chlorides 10,500 P.P.M. — Test Tool Length 15 ft. — Tool Size 5½ in.

Jars: Make - — Serial Number - — Anchor Length 10 ft. — Size 5½ in.

Did Well Flow? - — Reversed Out - — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 3½ in.

Blow: Initial flow period gas to surface in 7 minutes. See attached sheet for gas measurements.

Recovered 80 ft. of mud — Chlorides 11,000 PPM

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 2:40 ~~A.M.~~ P.M. — Time Started Off Bottom 5:40 ~~A.M.~~ P.M. — Maximum Temperature 118

Initial Hydrostatic Pressure			(A) 2193	P.S.I.		
Initial Flow Period	Minutes 30	(B) 69	P.S.I. to	(C) 69	P.S.I.	
Initial Closed In Period	Minutes 63	(D) 1495	P.S.I.			
Final Flow Period	Minutes 30	(E) 67	P.S.I. to	(F) 67	P.S.I.	
Final Closed In Period	Minutes 66	(G) 1492	P.S.I.			
Final Hydrostatic Pressure			(H) 2152	P.S.I.		

GAS FLOW REPORT

Date 9/23/81 Ticket 12983 Company Hummon Corporation

Well Name and No. Riffey #2 Dst No. 2 Interval Tested 4431-4441

County Pratt State Kansas Sec. 6 Twp. 29S Rg. 12W

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
PRE FLOW						
	10 Min	15 PSIG	½" Orifice			147,000 C.F.P.D.
	20 Min	16 PSIG	½" Orifice			153,000 C.F.P.D.
	30 Min	16 PSIG	½" Orifice			153,000 C.F.P.D.
SECOND FLOW						
	10 Min	16 PSIG	½" Orifice			153,000 C.F.P.D.
	20 Min	18 PSIG	½" Orifice			166,000 C.F.P.D.
	30 Min	18 PSIG	½" Orifice			166,000 C.F.P.D.

GAS BOTTLE

Serial No. - Date Bottle Filled - Date to be Invoiced 9/23/81

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 Hummon Corporation

Authorized by Tim Pierce

FORM WTC 6

WESTERN TESTING CO., INC.
Pressure Data

Date 9/23/81

Test Ticket No. 12983

Recorder No. 1560 Capacity 4500 Location 4433 Ft.

Clock No. - Elevation 1812 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2193 P.S.I.	Open Tool	2:40P 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.	63 Mins.
D Initial Closed-in Pressure	1495 P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	67 P.S.I.	Final Closed-in Pressure	60 Mins.	66 Mins.
F Second Final Flow Pressure	67 P.S.I.			
G Final Closed-in Pressure	1492 P.S.I.			
H Final Hydrostatic Mud	2152 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: 21 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	69
3	818
6	1356
9	1430
12	1453
15	1464
18	1475
21	1481
24	1484
27	1488
30	1489
33	1490
36	1491
39	1492
42	1492
45	1493
48	1495
51	1495
54	1495
57	1495
60	1495
63	1495

Second Flow Pressure

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

Point Minutes	Press.
0	67
5	67
10	67
15	67
20	67
25	67
30	67

Final Shut-In

Breakdown: 22 Inc. of 3 mins. and a final inc. of 0 Min.

Point Minutes	Press.
0	67
3	903
6	1372
9	1428
12	1448
15	1462
18	1468
21	1475
24	1477
27	1482
30	1484
33	1485
36	1486
39	1487
42	1488
45	1489
48	1490
51	1490
54	1491
57	1491
60	1492
63	1492
66	1492

1560

IK+ #12983

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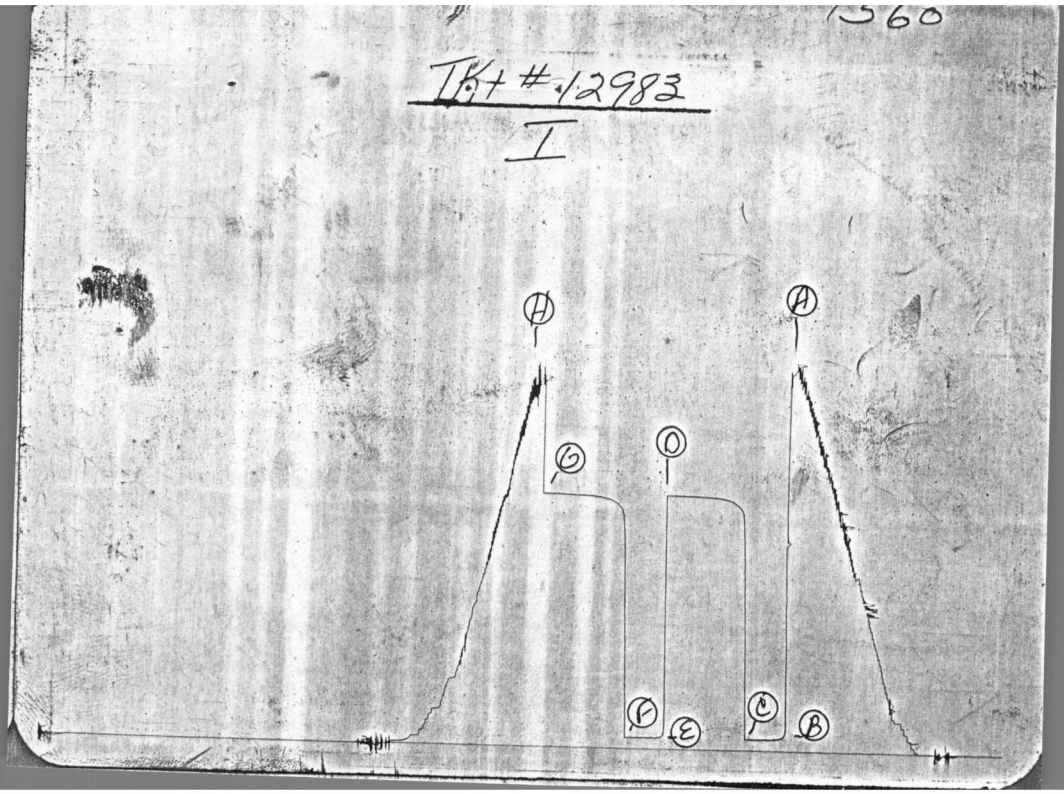

Company Hummon Corporation — Lease & Well No. Riffey #2

Elevation 1812 Kelly Bushing — Formation Simpson — Effective Pay - Ft. — Ticket No. 12984

Date 9/24/81 — Sec. 6 — Twp. 29S — Range 12W — County Pratt — State Kansas

Test Approved by Tim Pierce — Western Representative Louis Spencer

Formation Test No. 3 — Interval Tested from 4528 ft. to 4545 ft. — Total Depth 4545 ft.

Packer Depth 4528 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) 4531 ft. — Recorder Number 1560 — Cap. 4500

Bottom Recorder Depth (Outside) 4534 ft. — Recorder Number 11019 — Cap. 4500

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

Drilling Contractor Big H — Drill Collar Length 377 — I. D. 2.25 in.

Mud Type Drispac — Viscosity 39 — Weight Pipe Length - — I. D. - in.

Weight 9.2 — Water Loss 10.8 cc. — Drill Pipe Length 4136 — I. D. 3.8 in.

Chlorides 9500 P.P.M. — Test Tool Length 15 ft. — Tool Size 5½ in.

Jars: Make - — Serial Number - — Anchor Length 17 ft. — Size 5½ 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. — Tool Joint Size 3½ in.

Blow: Initial flow period weak building to off bottom in 11 minutes.
Final flow period good off bottom of bucket in 3 minutes.

Recovered 30 ft. of slightly oil & gas cut mud - 3% oil

Recovered 120 ft. of gas & water cut oil - 70% oil; 20% water; 10% mud

Recovered 682 ft. of 30% oil; 40% water; 30% mud

Recovered 120 ft. of muddy water Chlorides 30,000 PPM

Recovered ft. of

Remarks:
Gas to surface 30 minutes into final shut-in period.

Time Set Packer(s) 12:55 ~~A.M.~~ P.M. — Time Started Off Bottom 4:40 A.M. P.M. — Maximum Temperature 118

Initial Hydrostatic Pressure			(A)	2220	P.S.I.	
Initial Flow Period	Minutes 30	(B)	63	P.S.I. to (C)	146	P.S.I.
Initial Closed In Period	Minutes 60	(D)	1041	P.S.I.		
Final Flow Period	Minutes 45	(E)	176	P.S.I. to (F)	428	P.S.I.
Final Closed In Period	Minutes 90	(G)	1041	P.S.I.		
Final Hydrostatic Pressure		(H)	2135	P.S.I.		

WESTERN TESTING CO., INC.
Pressure Data

Date 9/24/81 Test Ticket No. 12984

Recorder No. 1560 Capacity 4500 Location 4531 Ft.

Clock No. - Elevation 1812 Kelly Bushing Well Temperature 118 °F

Point		Pressure	
A	Initial Hydrostatic Mud	2220	P.S.I.
B	First Initial Flow Pressure	63	P.S.I.
C	First Final Flow Pressure	146	P.S.I.
D	Initial Closed-in Pressure	1041	P.S.I.
E	Second Initial Flow Pressure	176	P.S.I.
F	Second Final Flow Pressure	428	P.S.I.
G	Final Closed-in Pressure	1041	P.S.I.
H	Final Hydrostatic Mud	2135	P.S.I.

	Time Given	Time Computed
Open Tool	12:55P M	
First Flow Pressure	30 Mins.	30 Mins.
Initial Closed-in Pressure	60 Mins.	60 Mins.
Second Flow Pressure	45 Mins.	45 Mins.
Final Closed-in Pressure	90 Mins.	90 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	63
P 2 5	67
P 3 10	95
P 4 15	120
P 5 20	131
P 6 25	139
P 7 30	146
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	146
3	498
6	937
9	1007
12	1023
15	1033
18	1036
21	1038
24	1039
27	1040
30	1041
33	1041
36	1041
39	1041
42	1041
45	1041
48	1041
51	1041
54	1041
57	1041
60	1041

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Point Minutes	Press.
0	176
5	176
10	176
15	280
20	350
25	387
30	410
35	421
40	424
45	428

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

Point Minutes	Press.
0	428
3	986
6	1018
9	1027
12	1032
15	1034
18	1035
21	1035
24	1035
27	1035
30	1036
33	1036
36	1036
39	1037
42	1037
45	1038
48	1038
51	1038
54	1038
57	1038
60	1038

CONT'D NEXT PAGE

WESTERN TESTING CO., INC.
Pressure Data

Date 9/24/81 Test Ticket No. 12984

Recorder No. 1560 Capacity 4500 Location 4531 Ft.

Clock No. - Elevation 1812 Kelly Bushing Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2220 P.S.I.	Open Tool	12:55P M	
B First Initial Flow Pressure	63 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	146 P.S.I.	Initial Closed-in Pressure	60 Mins.	60 Mins.
D Initial Closed-in Pressure	1041 P.S.I.	Second Flow Pressure	45 Mins.	45 Mins.
E Second Initial Flow Pressure	176 P.S.I.	Final Closed-in Pressure	90 Mins.	90 Mins.
F Second Final Flow Pressure	428 P.S.I.			
G Final Closed-in Pressure	1041 P.S.I.			
H Final Hydrostatic Mud	2135 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: 20 Inc.
of 3 mins. and a
final inc. of 0 Min.

Second Flow Pressure
Breakdown: 9 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 30 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	1039
P 2						66	1039
P 3						69	1040
P 4						72	1040
P 5						75	1041
P 6						78	1041
P 7						81	1041
P 8						84	1041
P 9						87	1041
P10						90	1041
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1560

JK# 12984

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