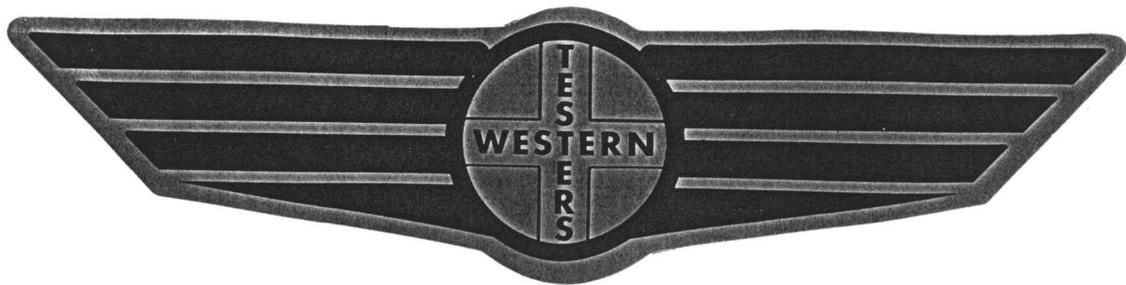


# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 3/25/94  
CUSTOMER : HUMMON CORPORATION  
WELL : #1 TEST: 1  
ELEVATION: 1542 GL  
SECTION : 13  
RANGE : 11W COUNTY: BARBER  
GAUGE SN#: 4339 RANGE : 4325  
TICKET : 20554  
LEASE : MCGUIRE A  
GEOLOGIST: HUMMON  
FORMATION: TARKIO SAND  
TOWNSHIP : 32S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 2762.00 ft TO: 2800.00 ft TVD: 2800.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 2765.0 ft 2800.0 ft  
TEMPERATURE: 107.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 2741.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 21.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 38.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 2757.0 ft SIZE: 6.630 in  
PACKER DEPTH: 2752.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : VAL RIG 1  
MUD TYPE : CHEMICAL  
WEIGHT : 9.500 ppg  
CHLORIDES : 52000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO  
VISCOSITY : 28.00 cp  
WATER LOSS: 0.000 cc  
SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW SLOWLY BUILDING TO  
BOTTOM OF BUCKET IN 20 MINUTES. FINAL FLOW PERIOD  
WEAK BLOW SLOWLY BUILDING TO 8 INCHES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	0.0	0.0	100.0	DRILLING MUD
150.0	0.0	0.0	60.0	40.0	MUDDY SALTWATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 110000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	1.6832 STB	AVERAGE WATER RATE:	50.4949 STB/D
WATER VOLUME:	1.2624 STB		
TOTAL FLUID :	2.9455 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1342.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	125.00	90.00
INITIAL SHUT-IN	45.00		1089.00
FINAL FLOW	30.00	181.00	125.00
FINAL SHUT-IN	45.00		1067.00

FINAL HYDROSTATIC PRESSURE: 1320.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1342.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	120.00	79.00
INITIAL SHUT-IN	45.00		1087.00
FINAL FLOW	30.00	145.00	129.00
FINAL SHUT-IN	42.00		1061.00

FINAL HYDROSTATIC PRESSURE: 1326.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3/25/94	TICKET : 20554
CUSTOMER : HUMMON CORPORATION	LEASE : MCGUIRE A
WELL : #1	TEST: 1
ELEVATION: 1542 GL	GEOLOGIST: HUMMON
SECTION : 13	FORMATION: TARKIO SAND
RANGE : 11W	TOWNSHIP : 32S
COUNTY: BARBER	STATE : KS
Gauge SN#: 4339	RANGE : 4325
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	120.00	120.00
5.00	97.00	-23.00
10.00	91.00	-6.00
15.00	86.00	-5.00
20.00	81.00	-5.00
25.00	79.00	-2.00
30.00	79.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	720.00	720.00	0.00
6.00	823.00	103.00	0.00
9.00	930.00	107.00	0.00
12.00	962.00	32.00	0.00
15.00	984.00	22.00	0.00
18.00	1006.00	22.00	0.00
21.00	1024.00	18.00	0.00
24.00	1037.00	13.00	0.00
27.00	1048.00	11.00	0.00
30.00	1057.00	9.00	0.00
33.00	1065.00	8.00	0.00
36.00	1074.00	9.00	0.00
39.00	1078.00	4.00	0.00
42.00	1083.00	5.00	0.00
45.00	1087.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

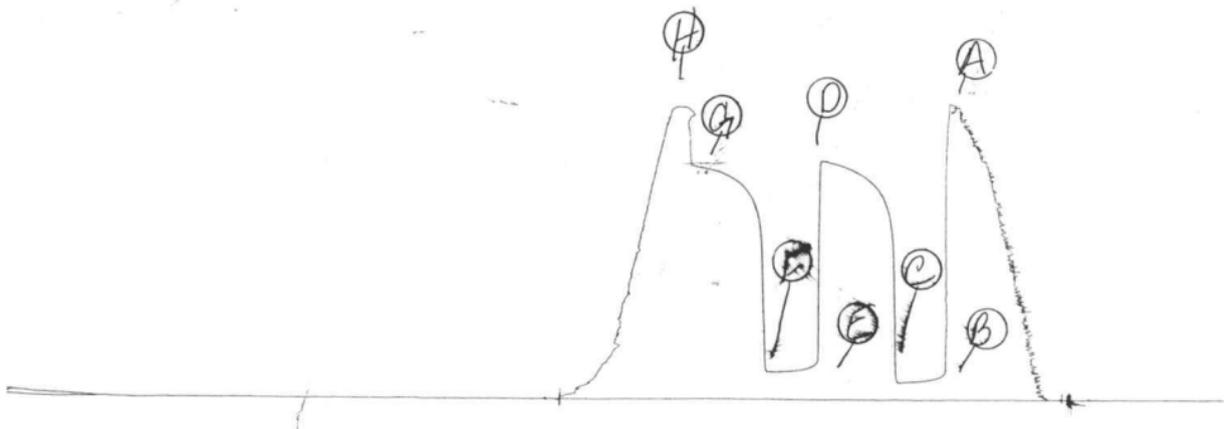
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	145.00	145.00
5.00	145.00	0.00
10.00	136.00	-9.00
15.00	131.00	-5.00
20.00	129.00	-2.00
25.00	129.00	0.00
30.00	129.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	879.00	879.00	0.00
6.00	926.00	47.00	0.00
9.00	955.00	29.00	0.00
12.00	986.00	31.00	0.00
15.00	997.00	11.00	0.00
18.00	1013.00	16.00	0.00
21.00	1024.00	11.00	0.00
24.00	1032.00	8.00	0.00
27.00	1039.00	7.00	0.00
30.00	1046.00	7.00	0.00
33.00	1048.00	2.00	0.00
36.00	1050.00	2.00	0.00
39.00	1059.00	9.00	0.00
42.00	1061.00	2.00	0.00

4339  
20554

TK# 20534  
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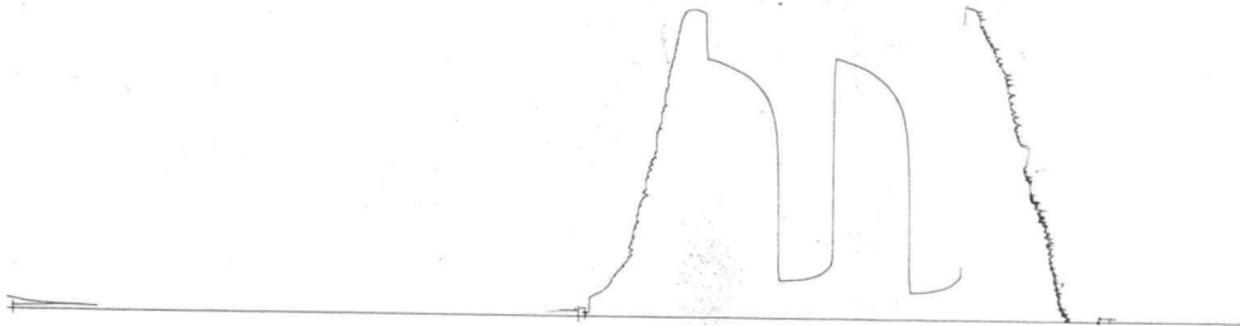


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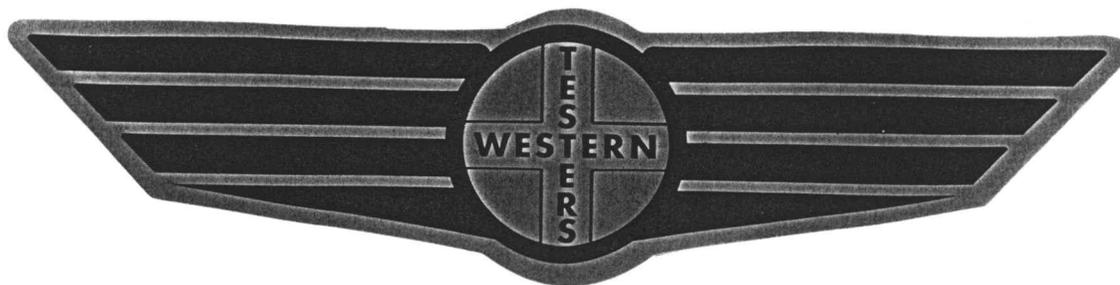
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TK# 20554

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# FORMATION TEST REPORT



Home Office:

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P.O. Box 1599

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COMPANY

HUMMON CORPORATION

LEASE & WELL NO.

#1 MCGUIRE A

SEC.

13 TWP. 32S

RGE. 11W

TEST NO.

2

DATE

3/26/94

DST REPORT

GENERAL INFORMATION

DATE : 3/26/94	TICKET : 20555
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: DOUGLAS
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	STATE : KS
GAUGE SN#: 4339	CLOCK : 12
COUNTY: BARBER	
RANGE : 4325	

WELL INFORMATION

PERFORATION INTERVAL FROM: 3623.00 ft	TO: 3640.00 ft	TVD: 3640.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: OIL
DEPTH OF RECORDERS: 3628.0 ft	3631.0 ft	
TEMPERATURE: 112.0		
DRILL COLLAR LENGTH: 0.0 ft	I.D.: 0.000 in	
WEIGHT PIPE LENGTH : 0.0 ft	I.D.: 0.000 in	
DRILL PIPE LENGTH : 3602.0 ft	I.D.: 3.800 in	
TEST TOOL LENGTH : 21.0 ft	TOOL SIZE : 5.500 in	
ANCHOR LENGTH : 17.0 ft	ANCHOR SIZE: 5.500 in	
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE: 0.750 in	
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE : 4.5XH	
PACKER DEPTH: 3618.0 ft	SIZE: 6.630 in	
PACKER DEPTH: 3623.0 ft	SIZE: 6.630 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	

MUD INFORMATION

DRILLING CON. : VAL ENERGIES #1	
MUD TYPE : CHEMICAL	VISCOSITY : 50.00 cp
WEIGHT : 8.800 ppg	WATER LOSS: 11.600 cc
CHLORIDES : 7000 ppm	
JARS-MAKE : NO	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD OFF BOTTOM OF BUCKET IN 2 1/2 MINUTES. FINAL FLOW PERIOD WEAK BLOW - SLOWLY INCREASED TO 8 INCHES IN BUCKET.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
45.0	0.0	0.0	0.0	100.0	DRILLING MUD
60.0	0.0	0.0	60.0	40.0	MUDDY WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 106000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000 STB	TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.9678 STB	AVERAGE WATER RATE:	13.4653 STB/D
WATER VOLUME:	0.5049 STB		
TOTAL FLUID :	1.4728 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1647.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	102.00	45.00
INITIAL SHUT-IN	60.00		409.00
FINAL FLOW	45.00	113.00	56.00
FINAL SHUT-IN	60.00		386.00

FINAL HYDROSTATIC PRESSURE: 1603.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1647.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	100.00	58.00
INITIAL SHUT-IN	60.00		427.00
FINAL FLOW	45.00	122.00	85.00
FINAL SHUT-IN	60.00		404.00

FINAL HYDROSTATIC PRESSURE: 1647.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3/26/94	TICKET : 20555
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: DOUGLAS
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	STATE : KS
GAUGE SN#: 4339	CLOCK : 12
TEST: 2	
COUNTY: BARBER	
RANGE : 4325	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	100.00	100.00
5.00	100.00	0.00
10.00	86.00	-14.00
15.00	77.00	-9.00
20.00	72.00	-5.00
25.00	67.00	-5.00
30.00	61.00	-6.00
35.00	57.00	-4.00
40.00	57.00	0.00
45.00	58.00	1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	64.00	64.00	0.00
6.00	102.00	38.00	0.00
9.00	182.00	80.00	0.00
12.00	238.00	56.00	0.00
15.00	274.00	36.00	0.00
18.00	305.00	31.00	0.00
21.00	325.00	20.00	0.00
24.00	341.00	16.00	0.00
27.00	356.00	15.00	0.00
30.00	366.00	10.00	0.00
33.00	373.00	7.00	0.00
36.00	383.00	10.00	0.00
39.00	390.00	7.00	0.00
42.00	399.00	9.00	0.00
45.00	407.00	8.00	0.00
48.00	413.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	419.00	6.00	0.00
54.00	423.00	4.00	0.00
57.00	425.00	2.00	0.00
60.00	427.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	122.00	122.00
5.00	122.00	0.00
10.00	108.00	-14.00
15.00	104.00	-4.00
20.00	98.00	-6.00
25.00	92.00	-6.00
30.00	89.00	-3.00
35.00	87.00	-2.00
40.00	86.00	-1.00
45.00	85.00	-1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	98.00	98.00	0.00
6.00	158.00	60.00	0.00
9.00	219.00	61.00	0.00
12.00	256.00	37.00	0.00
15.00	284.00	28.00	0.00
18.00	305.00	21.00	0.00
21.00	317.00	12.00	0.00
24.00	331.00	14.00	0.00
27.00	342.00	11.00	0.00
30.00	354.00	12.00	0.00
33.00	361.00	7.00	0.00
36.00	370.00	9.00	0.00
39.00	380.00	10.00	0.00
42.00	385.00	5.00	0.00
45.00	391.00	6.00	0.00
48.00	395.00	4.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

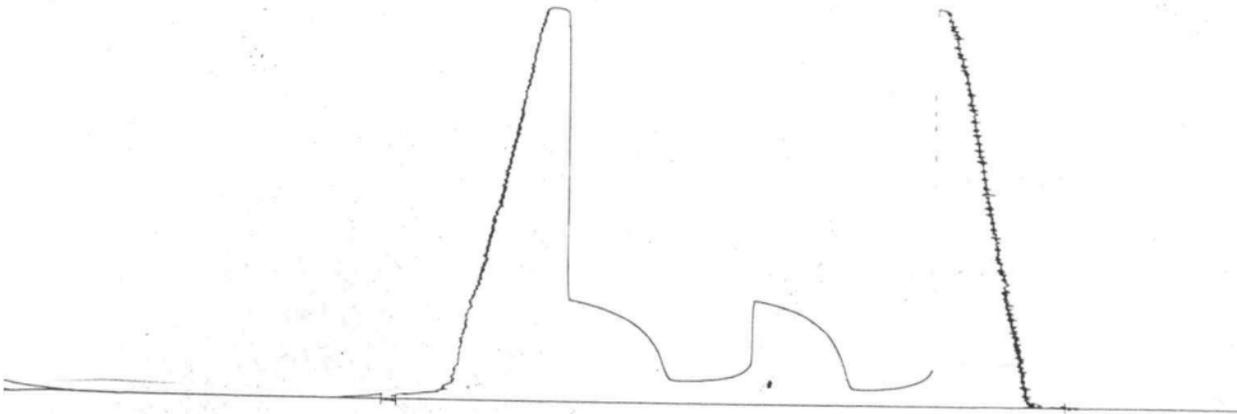
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	398.00	3.00	0.00
54.00	400.00	2.00	0.00
57.00	402.00	2.00	0.00
60.00	404.00	2.00	0.00



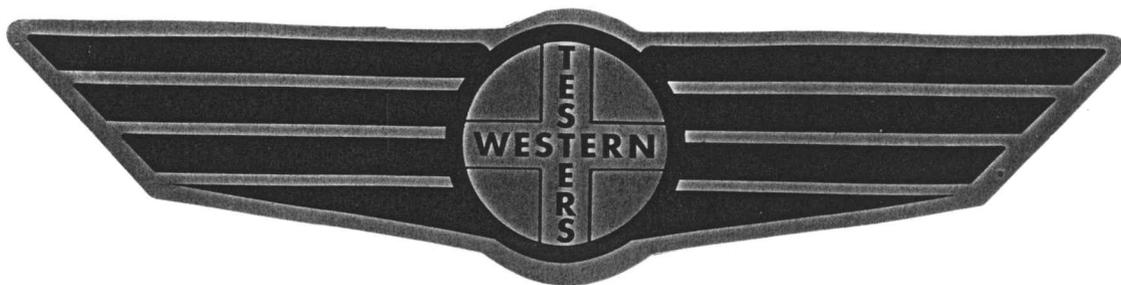
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 3-28-94	TICKET : 20556
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1                      TEST: 3	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: MISSISSIPPI
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W                      COUNTY: BARBER	STATE : KS
GAUGE SN#: 43390                      RANGE : 4325	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4383.00 ft	TO: 4450.00 ft	TVD: 4450.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: GAS
DEPTH OF RECORDERS: 4386.0 ft	4450.0 ft	
TEMPERATURE: 112.0		
DRILL COLLAR LENGTH: 0.0 ft	I.D.: 0.000 in	
WEIGHT PIPE LENGTH : 0.0 ft	I.D.: 0.000 in	
DRILL PIPE LENGTH : 4362.0 ft	I.D.: 3.800 in	
TEST TOOL LENGTH : 21.0 ft	TOOL SIZE : 5.500 in	
ANCHOR LENGTH : 67.0 ft	ANCHOR SIZE: 5.500 in	
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE: 0.750 in	
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE : 4.5XH	
PACKER DEPTH: 4378.0 ft	SIZE: 6.630 in	
PACKER DEPTH: 4383.0 ft	SIZE: 6.630 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	
PACKER DEPTH: 0.0 ft	SIZE: 0.000 in	

MUD INFORMATION

DRILLING CON. : VAL ENERGIES #1	
MUD TYPE : CHEMICAL	VISCOSITY : 44.00 cp
WEIGHT : 9.400 ppg	WATER LOSS: 9.000 cc
CHLORIDES : 5000 ppm	
JARS-MAKE : NO	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

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GAS TO SURFACE IN ONE MINUTE ON INITIAL FLOW PERIOD. SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
65.0	0.0	0.0	0.0	100.0	DRILLING MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		TOTAL FLOW TIME:	75.0000 min.
GAS VOLUME:	0.0000 SCF		AVERAGE OIL RATE:	0.0000 STB/D
MUD VOLUME:	0.9117 STB		AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB			
TOTAL FLUID :	0.9117 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2048.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	656.00	454.00
INITIAL SHUT-IN	45.00		1210.00
FINAL FLOW	60.00	600.00	170.00
FINAL SHUT-IN	90.00		979.00

FINAL HYDROSTATIC PRESSURE: 2058.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2068.00

Description	Duration	p1	p End
INITIAL FLOW	15.00	820.00	463.00
INITIAL SHUT-IN	48.00		1204.00
FINAL FLOW	60.00	603.00	172.00
FINAL SHUT-IN	99.00		989.00

FINAL HYDROSTATIC PRESSURE: 2068.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 3-28-94	TICKET : 20556
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	TEST: 3
ELEVATION: 1542 G.L.	GEOLOGIST: BRYON E. HUMMON JR.
SECTION : 13	FORMATION: MISSISSIPPI
RANGE : 11W	TOWNSHIP : 32S
COUNTY: BARBER	STATE : KS
Gauge SN#: 43390	RANGE : 4325
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN.	MERLA	1.500	27 PSIG	2380000 SCF/D
10 MIN.	MERLA	1.500	24 PSIG	2200000 SCF/D
15 MIN.	MERLA	1.500	21 PSIG	2012000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN.	MERLA	1.500	17 PSIG	1760000 SCF/D
10 MIN.	MERLA	1.500	15 PSIG	1626000 SCF/D
15 MIN.	MERLA	1.500	11 PSIG	1348000 SCF/D
20 MIN.	MERLA	1.500	8 PSIG	1123000 SCF/D
25 MIN.	MERLA	1.500	7 PSIG	1036000 SCF/D
30 MIN.	MERLA	1.500	5 PSIG	863000 SCF/D
35 MIN.	MERLA	1.500	4 PSIG	764000 SCF/D
40 MIN.	MERLA	1.500	3.5 PSIG	709000 SCF/D
45 MIN.	MERLA	1.500	3.0 PSIG	654000 SCF/D
50 MIN.	MERLA	1.500	3.0 PSIG	654000 SCF/D
55 MIN.	MERLA	1.500	2.5 PSIG	595000 SCF/D
60 MIN.	MERLA	1.500	2.5 PSIG	595000 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3-28-94	TICKET : 20556
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: MISSISSIPPI
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	STATE : KS
GAUGE SN#: 43390	CLOCK : 12
TEST: 3	COUNTY: BARBER
	RANGE : 4325

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	820.00	820.00
5.00	577.00	-243.00
10.00	501.00	-76.00
15.00	463.00	-38.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	819.00	819.00	6.00
6.00	903.00	84.00	3.50
9.00	946.00	43.00	2.67
12.00	992.00	46.00	2.25
15.00	1018.00	26.00	2.00
18.00	1041.00	23.00	1.83
21.00	1065.00	24.00	1.71
24.00	1086.00	21.00	1.63
27.00	1098.00	12.00	1.56
30.00	1122.00	24.00	1.50
33.00	1134.00	12.00	1.45
36.00	1151.00	17.00	1.42
39.00	1167.00	16.00	1.38
42.00	1180.00	13.00	1.36
45.00	1194.00	14.00	1.33
48.00	1204.00	10.00	1.31

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	603.00	603.00
5.00	472.00	-131.00
10.00	404.00	-68.00
15.00	350.00	-54.00
20.00	310.00	-40.00
25.00	280.00	-30.00
30.00	252.00	-28.00
35.00	227.00	-25.00
40.00	210.00	-17.00
45.00	198.00	-12.00
50.00	188.00	-10.00
55.00	180.00	-8.00
60.00	172.00	-8.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	258.00	258.00	21.00
6.00	308.00	50.00	11.00
9.00	349.00	41.00	7.67
12.00	370.00	21.00	6.00
15.00	406.00	36.00	5.00
18.00	441.00	35.00	4.33
21.00	476.00	35.00	3.86
24.00	508.00	32.00	3.50
27.00	533.00	25.00	3.22
30.00	569.00	36.00	3.00
33.00	595.00	26.00	2.82
36.00	620.00	25.00	2.67
39.00	642.00	22.00	2.54
42.00	671.00	29.00	2.43
45.00	693.00	22.00	2.33
48.00	710.00	17.00	2.25
51.00	729.00	19.00	2.18
54.00	748.00	19.00	2.11
57.00	768.00	20.00	2.05
60.00	781.00	13.00	2.00
63.00	801.00	20.00	1.95
66.00	821.00	20.00	1.91
69.00	842.00	21.00	1.87
72.00	859.00	17.00	1.83
75.00	873.00	14.00	1.80

PRESSURE TRANSIENT REPORT (CONTINUED)

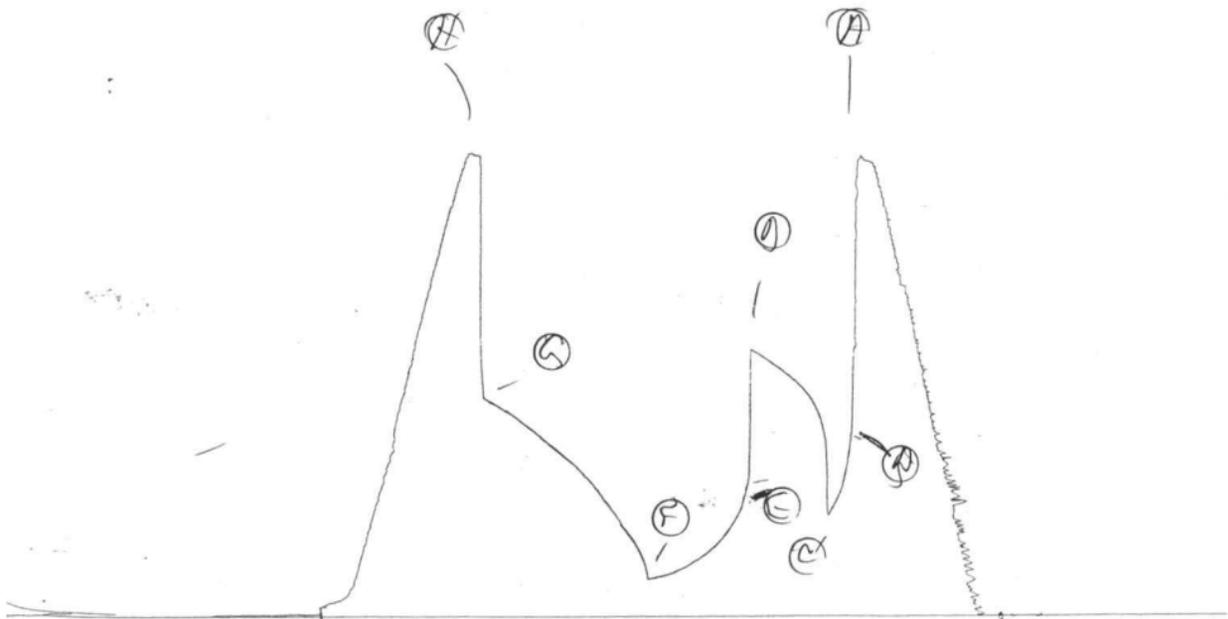
FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
78.00	891.00	18.00	1.77
81.00	910.00	19.00	1.74
84.00	925.00	15.00	1.71
87.00	939.00	14.00	1.69
90.00	952.00	13.00	1.67
93.00	966.00	14.00	1.65
96.00	979.00	13.00	1.63
99.00	989.00	10.00	1.61

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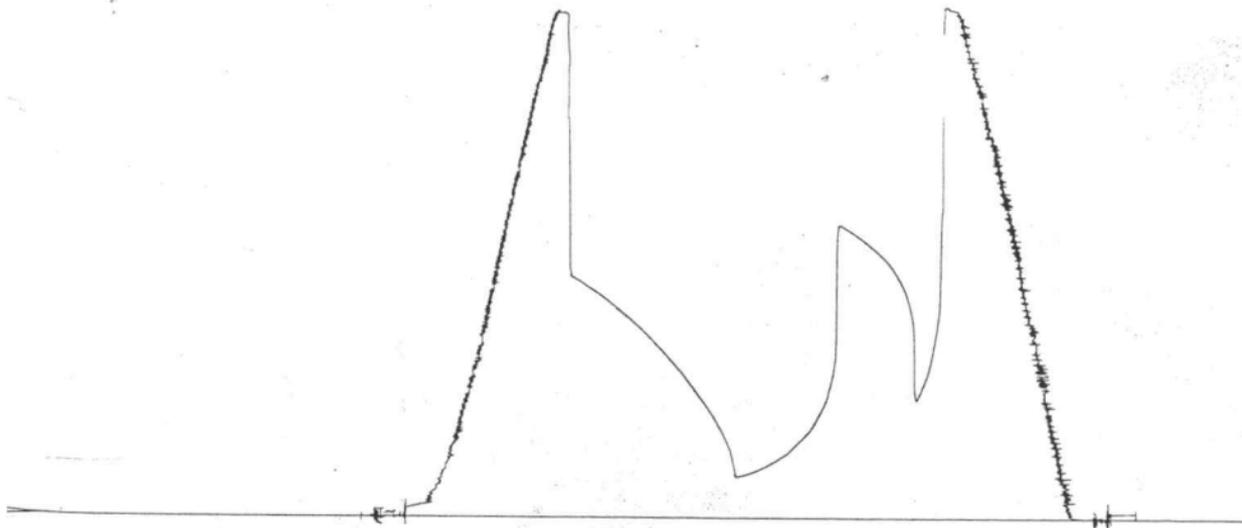
4339  
20556 P



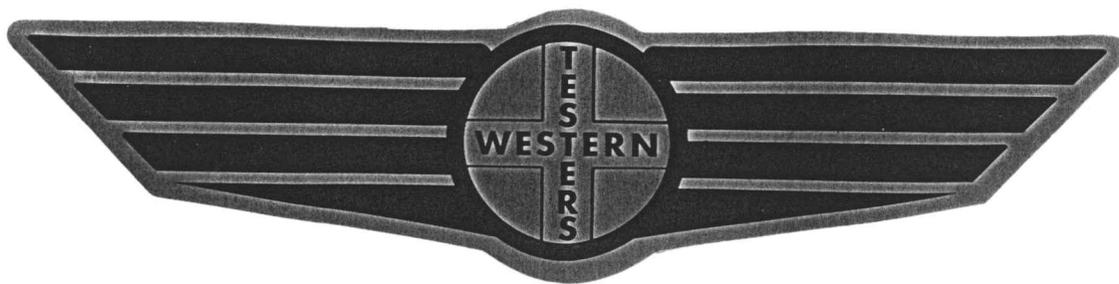
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 3/29/94	TICKET : 20557
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: MISSISSIPPI
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	STATE : KS
COUNTY: BARBER	CLOCK : 12
GAUGE SN#: 4339	RANGE : 4325

WELL INFORMATION

PERFORATION INTERVAL FROM: 4432.00 ft	TO: 4450.00 ft	TVD: 4450.0 ft
DEPTH OF SELECTIVE ZONE:		TEST TYPE: GAS
DEPTH OF RECORDERS: 4442.0 ft	4445.0 ft	
TEMPERATURE: 110.0		

DRILL COLLAR LENGTH: 0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH : 0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH : 4411.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 21.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 18.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4427.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4432.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : VAL ENERGIES #1	
MUD TYPE : CHEMICAL	VISCOSITY : 44.00 cp
WEIGHT : 9.400 ppg	WATER LOSS: 9.000 cc
CHLORIDES : 5000 ppm	
JARS-MAKE : NO	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

GAS TO SURFACE IN 45 MINUTES.  
12.7 MCFP THROUGH 1/4 INCH ORIFICE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	0.0	15.0	0.0	85.0	GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.3544	SCF	
MUD VOLUME:	0.3577	STB	TOTAL FLOW TIME: 120.0000 min.
WATER VOLUME:	0.0000	STB	AVERAGE OIL RATE: 0.0000 STB/D
TOTAL FLUID :	0.3577	STB	AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2135.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	102.00	45.00
INITIAL SHUT-IN	90.00		1298.00
FINAL FLOW	60.00	102.00	45.00
FINAL SHUT-IN	105.00		1221.00

FINAL HYDROSTATIC PRESSURE: 2102.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2133.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	89.00	51.00
INITIAL SHUT-IN	90.00		1289.00
FINAL FLOW	60.00	102.00	57.00
FINAL SHUT-IN	105.00		1227.00

FINAL HYDROSTATIC PRESSURE: 2114.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 3/29/94	TICKET : 20557
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1542 G.L.	FORMATION: MISSISSIPPI
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	COUNTY: BARBER
GAUGE SN#: 4339	STATE : KS
	RANGE : 4325
	CLOCK : 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
50 MIN	MERLA	0.250	8" WATER	4760 SCF/D
55 MIN	MERLA	0.250	15" WATER	6550 SCF/D
60 MIN	MERLA	0.250	20" WATER	7510 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
5 MIN.	MERLA	0.250	8 PSIG	27000 SCF/D
10 MIN.	MERLA	0.250	4 PSIG	18500 SCF/D
15 MIN.	MERLA	0.250	4.5 PSIG	19500 SCF/D
20 MIN.	MERLA	0.250	4.5 PSIG	19500 SCF/D
25 MIN.	MERLA	0.250	3.0 PSIG	15700 SCF/D
30 MIN.	MERLA	0.250	3.0 PSIG	15700 SCF/D
35 MIN.	MERLA	0.250	2.5 PSIG	14800 SCF/D
40 MIN.	MERLA	0.250	2.0 PSIG	12700 SCF/D
45 MIN.	MERLA	0.250	2.0 PSIG	12700 SCF/D
50 MIN.	MERLA	0.250	2.0 PSIG	12700 SCF/D
55 MIN.	MERLA	0.250	2.0 PSIG	12700 SCF/D
60 MIN.	MERLA	0.250	2.0 PSIG	12700 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3/29/94	TICKET : 20557
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	TEST: 4
ELEVATION: 1542 G.L.	GEOLOGIST: BRYON E. HUMMON JR.
SECTION : 13	FORMATION: MISSISSIPPI
RANGE : 11W	TOWNSHIP : 32S
COUNTY: BARBER	STATE : KS
RANGE : 4325	CLOCK : 12
GAUGE SN#: 4339	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	89.00	89.00
5.00	89.00	0.00
10.00	77.00	-12.00
15.00	68.00	-9.00
20.00	64.00	-4.00
25.00	61.00	-3.00
30.00	59.00	-2.00
35.00	58.00	-1.00
40.00	57.00	-1.00
45.00	56.00	-1.00
50.00	55.00	-1.00
55.00	53.00	-2.00
60.00	51.00	-2.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	184.00	184.00	21.00
6.00	359.00	175.00	11.00
9.00	476.00	117.00	7.67
12.00	593.00	117.00	6.00
15.00	702.00	109.00	5.00
18.00	783.00	81.00	4.33
21.00	847.00	64.00	3.86
24.00	913.00	66.00	3.50
27.00	958.00	45.00	3.22
30.00	999.00	41.00	3.00
33.00	1033.00	34.00	2.82
36.00	1064.00	31.00	2.67
39.00	1089.00	25.00	2.54

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
42.00	1110.00	21.00	2.43
45.00	1132.00	22.00	2.33
48.00	1154.00	22.00	2.25
51.00	1170.00	16.00	2.18
54.00	1183.00	13.00	2.11
57.00	1194.00	11.00	2.05
60.00	1206.00	12.00	2.00
63.00	1218.00	12.00	1.95
66.00	1229.00	11.00	1.91
69.00	1239.00	10.00	1.87
72.00	1249.00	10.00	1.83
75.00	1256.00	7.00	1.80
78.00	1267.00	11.00	1.77
81.00	1273.00	6.00	1.74
84.00	1281.00	8.00	1.71
87.00	1286.00	5.00	1.69
90.00	1289.00	3.00	1.67

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	102.00	102.00
5.00	92.00	-10.00
10.00	82.00	-10.00
15.00	75.00	-7.00
20.00	72.00	-3.00
25.00	70.00	-2.00
30.00	69.00	-1.00
35.00	67.00	-2.00
40.00	65.00	-2.00
45.00	63.00	-2.00
50.00	61.00	-2.00
55.00	59.00	-2.00
60.00	57.00	-2.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
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PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

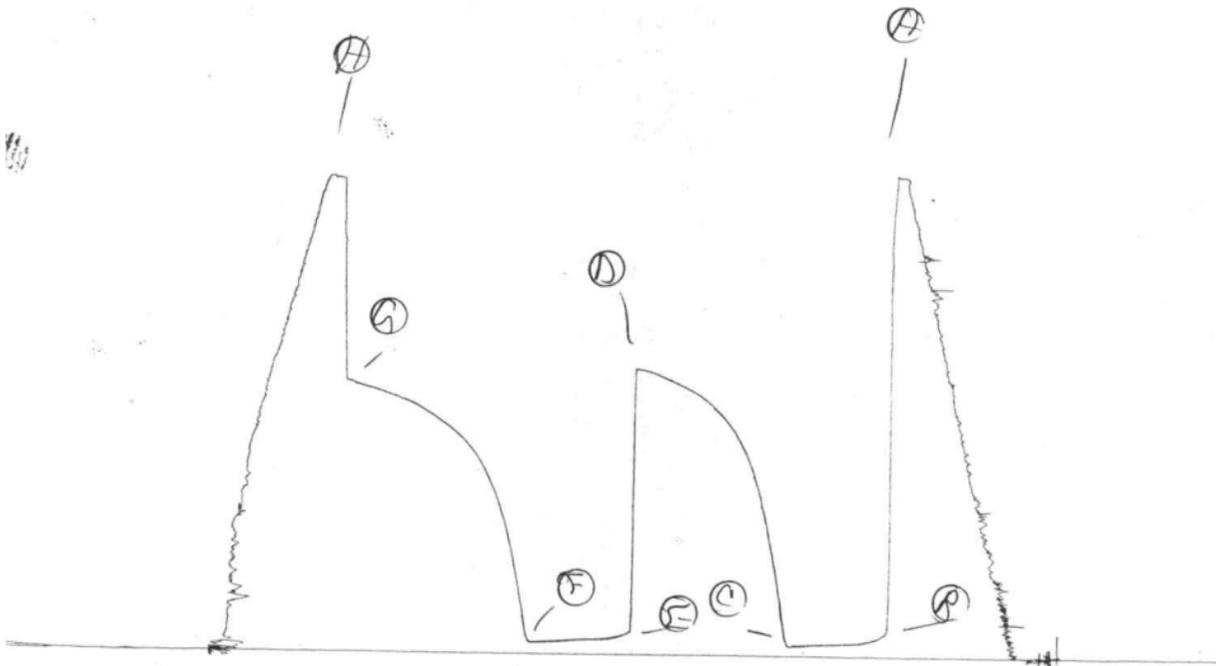
Time (min)	Pressure	Delta P	Horner T
3.00	115.00	115.00	21.00
6.00	254.00	139.00	11.00
9.00	375.00	121.00	7.67
12.00	485.00	110.00	6.00
15.00	593.00	108.00	5.00
18.00	671.00	78.00	4.33
21.00	734.00	63.00	3.86
24.00	786.00	52.00	3.50
27.00	829.00	43.00	3.22
30.00	881.00	52.00	3.00
33.00	913.00	32.00	2.82
36.00	944.00	31.00	2.67
39.00	970.00	26.00	2.54
42.00	991.00	21.00	2.43
45.00	1014.00	23.00	2.33
48.00	1035.00	21.00	2.25
51.00	1048.00	13.00	2.18
54.00	1066.00	18.00	2.11
57.00	1088.00	22.00	2.05
60.00	1094.00	6.00	2.00
63.00	1109.00	15.00	1.95
66.00	1123.00	14.00	1.91
69.00	1133.00	10.00	1.87
72.00	1144.00	11.00	1.83
75.00	1150.00	6.00	1.80
78.00	1159.00	9.00	1.77
81.00	1169.00	10.00	1.74
84.00	1177.00	8.00	1.71
87.00	1185.00	8.00	1.69
90.00	1194.00	9.00	1.67
93.00	1197.00	3.00	1.65
96.00	1205.00	8.00	1.63
99.00	1212.00	7.00	1.61
102.00	1221.00	9.00	1.59
105.00	1227.00	6.00	1.57

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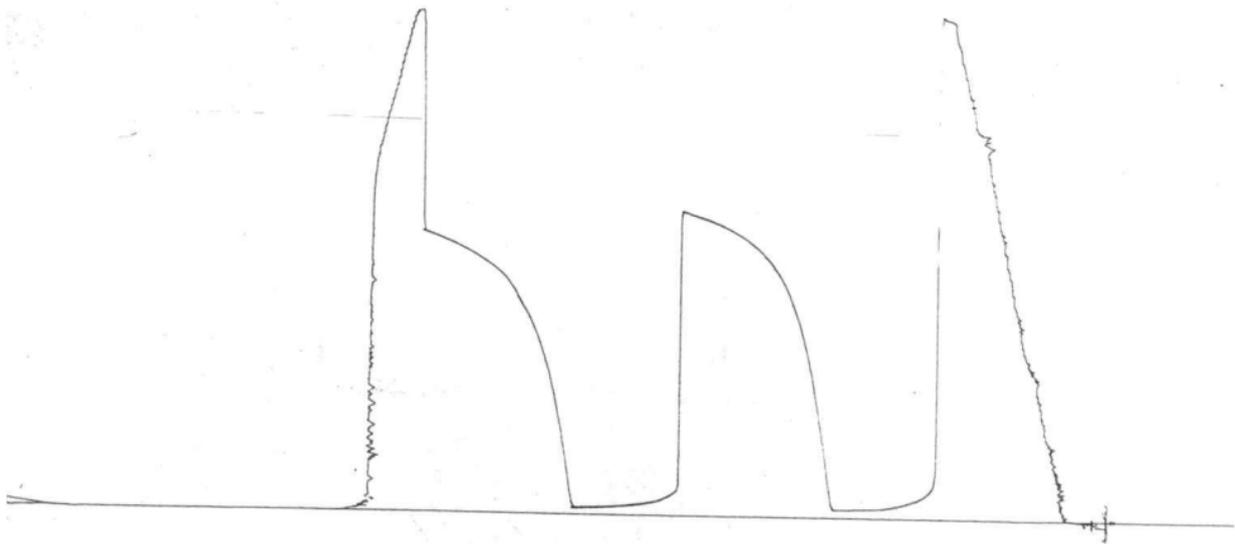
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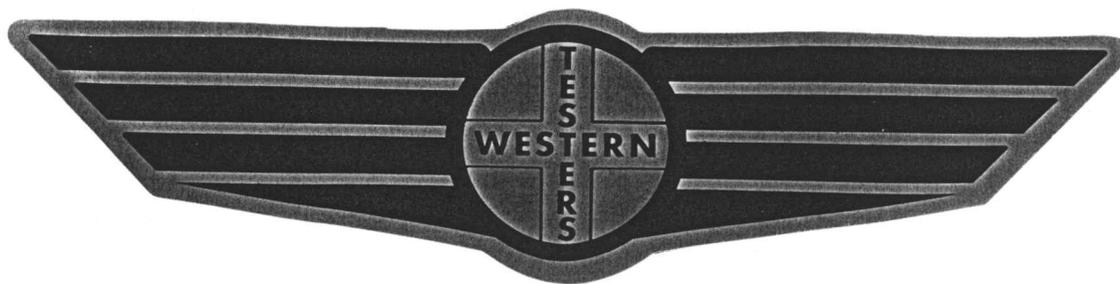
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# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

COMPANY HUMMON CORPORATION LEASE & WELL NO. #1 MCGUIRE A SEC. 13 TWP. 32S RGE. 11W TEST NO. 5 DATE 3/30/94

DST REPORT

GENERAL INFORMATION

DATE : 3-30-94  
CUSTOMER : HUMMON CORP.  
WELL : #1 TEST: 5  
ELEVATION: 1547 K.B.  
SECTION : 13  
RANGE : 11W COUNTY: BARBER  
GAUGE SN#: 1051 RANGE : 4250  
TICKET : 20576  
LEASE : MCGUIRE "A"  
GEOLOGIST: BRYON E. HUMMON JR.  
FORMATION: MISSISSIPPI  
TOWNSHIP : 32S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4382.00 ft TO: 4555.00 ft TVD: 4555.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS  
DEPTH OF RECORDERS: 4372.0 ft 4395.0 ft  
TEMPERATURE: 161.0  
DRILL COLLAR LENGTH: 0.0 ft I.D.: 0.000 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4363.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 173.0 ft ANCHOR SIZE: 5.500 in  
SURFACE CHOKE SIZE : 0.750 in BOTTOM CHOKE SIZE: 0.750 in  
MAIN HOLE SIZE : 7.875 in TOOL JOINT SIZE : 4.5XH  
PACKER DEPTH: 4377.0 ft SIZE: 6.630 in  
PACKER DEPTH: 4382.0 ft SIZE: 6.630 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : VAL ENERGIES #1  
MUD TYPE : CHEMICAL VISCOSITY : 56.00 cp  
WEIGHT : 8.800 ppg WATER LOSS: 10.000 cc  
CHLORIDES : 4500 ppm  
JARS-MAKE : NO SERIAL NUMBER:  
DID WELL FLOW?: NO REVERSED OUT?: NO

COMMENTS

Comment

STRONG BLOW GAS TO SURFACE IN 2 MINUTES ON INITIAL PERIOD. SEE ATTACHED FOR GAS MEASUREMENTS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
180.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	2.5247	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	2.5247	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2134.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	538.00	161.00
INITIAL SHUT-IN	105.00		1016.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2134.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2142.00

Description	Duration	p1	p End
INITIAL FLOW	90.00	755.00	170.00
INITIAL SHUT-IN	108.00		994.00
FINAL FLOW	0.00	0.00	0.00

FINAL HYDROSTATIC PRESSURE: 2127.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE : 3-30-94	TICKET : 20576
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	TEST: 5
ELEVATION: 1547 K.B.	GEOLOGIST: BRYON E. HUMMON JR.
SECTION : 13	FORMATION: MISSISSIPPI
RANGE : 11W	TOWNSHIP : 32S
COUNTY: BARBER	STATE : KS
RANGE : 4250	CLOCK : 12
GAUGE SN#: 1051	

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
02 MIN.		0.000	GAS TO SURF.	0 SCF/D
10 MIN.	MERLA	1.000	16 PSIG	627000 SCF/D
20 MIN.	MERLA	1.000	14 PSIG	577000 SCF/D
30 MIN.	MERLA	1.000	11 PSIG	499000 SCF/D
40 MIN.	MERLA	1.000	8 PSIG	415000 SCF/D
50 MIN.	MERLA	1.000	7 PSIG	385000 SCF/D
60 MIN.	MERLA	1.000	6 PSIG	353000 SCF/D
70 MIN.	MERLA	1.000	6 PSIG	353000 SCF/D
80 MIN.	MERLA	1.000	5 PSIG	319000 SCF/D
90 MIN.	MERLA	1.000	5 PSIG	319000 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
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PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 3-30-94	TICKET : 20576
CUSTOMER : HUMMON CORP.	LEASE : MCGUIRE "A"
WELL : #1	GEOLOGIST: BRYON E. HUMMON JR.
ELEVATION: 1547 K.B.	FORMATION: MISSISSIPPI
SECTION : 13	TOWNSHIP : 32S
RANGE : 11W	STATE : KS
GAUGE SN#: 1051	CLOCK : 12
TEST: 5	
COUNTY: BARBER	
RANGE : 4250	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	755.00	755.00
5.00	544.00	-211.00
10.00	465.00	-79.00
15.00	390.00	-75.00
20.00	347.00	-43.00
25.00	318.00	-29.00
30.00	290.00	-28.00
35.00	268.00	-22.00
40.00	247.00	-21.00
45.00	232.00	-15.00
50.00	219.00	-13.00
55.00	208.00	-11.00
60.00	198.00	-10.00
65.00	189.00	-9.00
70.00	183.00	-6.00
75.00	181.00	-2.00
80.00	176.00	-5.00
85.00	171.00	-5.00
90.00	170.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	432.00	432.00	31.00
6.00	464.00	32.00	16.00
9.00	493.00	29.00	11.00
12.00	516.00	23.00	8.50
15.00	539.00	23.00	7.00
18.00	566.00	27.00	6.00
21.00	586.00	20.00	5.29

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
24.00	607.00	21.00	4.75
27.00	626.00	19.00	4.33
30.00	643.00	17.00	4.00
33.00	665.00	22.00	3.73
36.00	682.00	17.00	3.50
39.00	701.00	19.00	3.31
42.00	709.00	8.00	3.14
45.00	719.00	10.00	3.00
48.00	732.00	13.00	2.88
51.00	747.00	15.00	2.76
54.00	763.00	16.00	2.67
57.00	775.00	12.00	2.58
60.00	791.00	16.00	2.50
63.00	806.00	15.00	2.43
66.00	820.00	14.00	2.36
69.00	836.00	16.00	2.30
72.00	847.00	11.00	2.25
75.00	861.00	14.00	2.20
78.00	872.00	11.00	2.15
81.00	886.00	14.00	2.11
84.00	898.00	12.00	2.07
87.00	911.00	13.00	2.03
90.00	923.00	12.00	2.00
93.00	935.00	12.00	1.97
96.00	950.00	15.00	1.94
99.00	957.00	7.00	1.91
102.00	974.00	17.00	1.88
105.00	983.00	9.00	1.86
108.00	994.00	11.00	1.83

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	0.00	0.00

FINAL SHUT IN

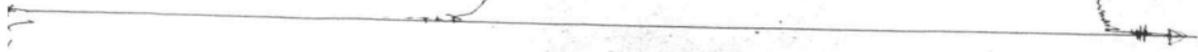
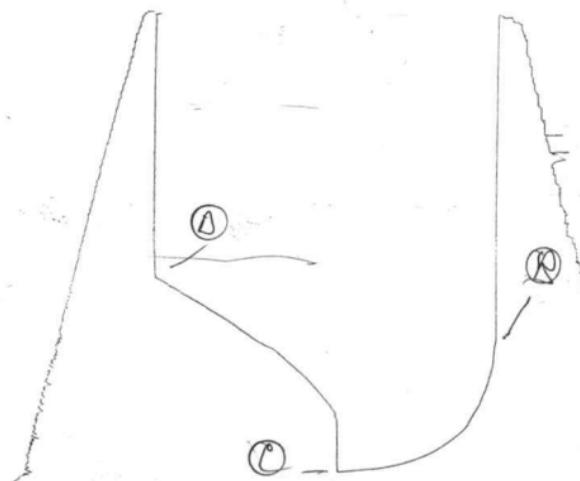
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
No Data Entered			

1057 031#5



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4551 101 (10)

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