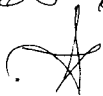


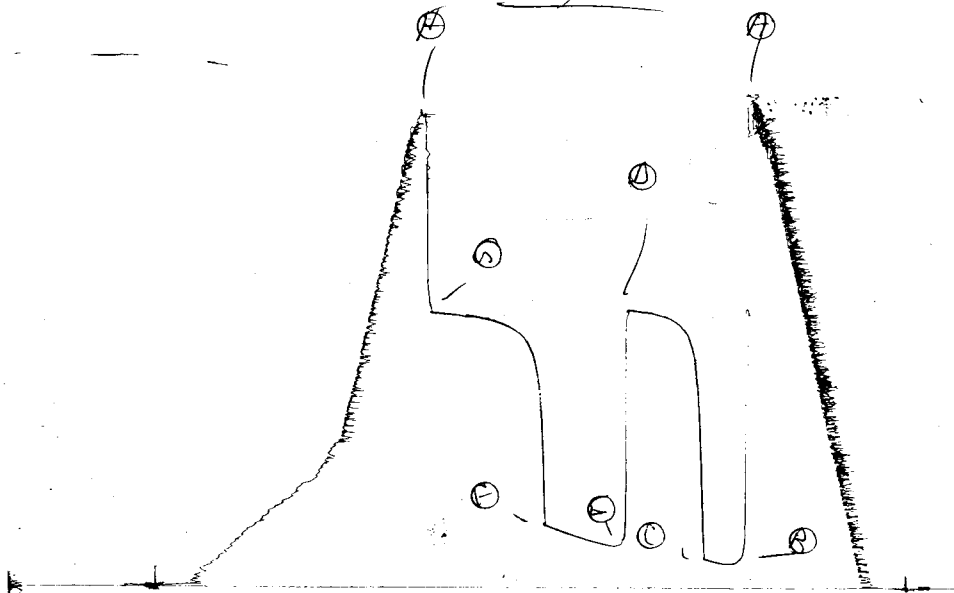
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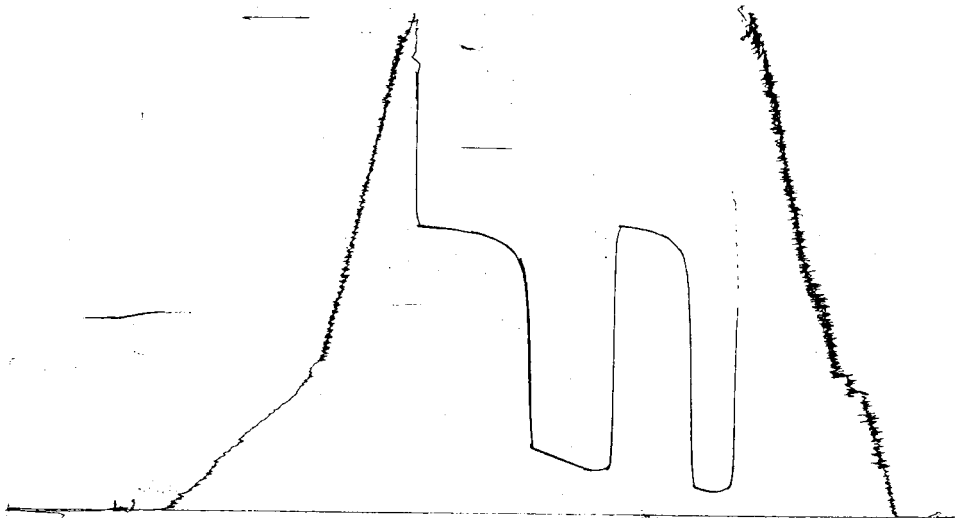


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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 16153

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2144 KB Formation MISS Eff. Pay Ft.

District PRATT Date 9-10-73 Customer Order No.

COMPANY NAME Hummer Corp
ADDRESS 200 West Douglas #1020 - Wichita, Kansas 67202
LEASE AND WELL NO. 2 Swarmer COUNTY Comanche STATE Kans Sec. 9 Twp. 31 R. 18W
Mail Invoice To Same Co. Name HJ Swarmer Address No. Copies Requested 8
Mail Charts To Same Address No. Copies Requested 8

Formation Test No. 1 Interval Tested From 5050 ft. to 5068 ft. Total Depth 5068 ft.
Packer Depth 5045 ft. Size 6 5/8 in. Packer Depth ft. Size in.
Packer Depth 5050 ft. Size 6 7/8 in. Packer Depth ft. Size in.
Depth of Selective Zone Set
Top Recorder Depth (Inside) 5057 ft. Recorder Number 13265 Cap. 3975
Bottom Recorder Depth (Outside) 5060 ft. Recorder Number 13259 Cap. 3900
Below Straddle Recorder Depth ft. Recorder Number Cap.
Drilling Contractor Val Energy Drill Collar Length 0 I. D. in.
Mud Type Chem Viscosity 46 Weight Pipe Length 0 I. D. in.
Weight 9.4 Water Loss 10.4 cc. Drill Pipe Length 5022 I. D. 3.8 in.
Chlorides 6,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.
Jars: Make WTC Serial Number 411 Anchor Length 18 ft. Size 5 1/2 OD 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 1/2 X 4 in.

Blow: Strong blow on initial flow - gas to surface 11 min Seiflow Choke

Recovered 870 ft. of free oil (38 gravity collected)
Recovered ft. of
Recovered 240 ft. of Heavy gas tail cut mud 20% gas - 20% mud 60% oil
Recovered ft. of
Recovered 65 ft. of Water 87,000 l.p.m
Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 10:15 A.M. Time Pick Up Tool 12:45 P.M. Time Off Location 12:00 A.M.
Time Set Packer(s) 2:25 P.M. Time Started Off Bottom 6:25 P.M. Maximum Temperature 124 °F
Initial Hydrostatic Pressure (A) 2545 P.S.I.
Initial Flow Period Minutes 30 (B) 120 P.S.I. to (C) 151 P.S.I.
Initial Closed In Period Minutes 60 (D) 1426 P.S.I.
Final Flow Period Minutes 60 (E) 201 P.S.I. to (F) 332 P.S.I.
Final Closed In Period Minutes 90 (G) 1426 P.S.I.
Final Hydrostatic Pressure (H) 2446 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Byron Hummer
Signature of Customer or his authorized representative

Western Representative Red Litt - Thank you

FIELD INVOICE

Open Hole Test ✓
Misrun
Straddle Test
Jars
Selective Zone
Safety Joint 1
Standby
Evaluation
Extra Packer
Circ. Sub.
Mileage
Fluid Sampler
Extra Charts
Insurance
Telecopier
TOTAL ✓



GAS FLOW REPORT

No 5316

Date 9-10-93 Ticket 16153 Company Hummon Corp
 Well Name and No. 2 Swamer Dst No. 1 Interval Tested 50-50-5068
 County Comanche State Kansas Sec. 9 Twp. 31 Rg. 18W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
11	—	1/2			Gas to surface
15	4 psi	}			68,800 CF/D
20	3.5				64,000
30	3.5				64,000

SECOND FLOW					
10	5 psi	1/2			78,100
20	4 "	}			68,800
30	3 "				59,200
40	3 "				59,200
50	2 "				47,700
60	2 "				47,700

GAS BOTTLE

Serial No. _____ Date Bottle Filled 9-10-93 Date to be Invoiced _____

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 1/2% per month, equal to 18% 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 _____

Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 7-10-52 Test Ticket No. 14152
 Recorder No. 13265 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2510</u> P.S.I.	_____ M		
B First Initial Flow Pressure	_____ P.S.I.	First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure	_____ P.S.I.	Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	_____ P.S.I.	Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	_____ P.S.I.	Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	_____ P.S.I.			
G Final Closed-in Pressure	_____ P.S.I.			
H Final Hydrostatic Mud	<u>2420</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>128</u>	0	<u>154</u>	0	<u>224</u>	0	<u>224</u>
P 2 5	<u>128</u>	3	<u>201</u>	5	<u>5</u>	3	<u>222</u>
P 3 10	<u>128</u>	6	<u>222</u>	10	<u>224</u>	6	<u>286</u>
P 4 15	<u>129</u>	9	<u>111</u>	15	<u>250</u>	9	<u>118</u>
P 5 20	<u>135</u>	12	<u>1219</u>	20	<u>247</u>	12	<u>1198</u>
P 6 25	<u>145</u>	15	<u>186</u>	25	<u>250</u>	15	<u>1249</u>
P 7 30	<u>154</u>	18	<u>227</u>	30	<u>261</u>	18	<u>1282</u>
P 8 35		21	<u>1352</u>	35	<u>277</u>	21	<u>1204</u>
P 9 40		24	<u>1371</u>	40	<u>287</u>	24	<u>1222</u>
P10 45		27	<u>1385</u>	45	<u>296</u>	27	<u>1227</u>
P11 50		30	<u>1297</u>	50	<u>222</u>	30	<u>1251</u>
P12 55		33	<u>1410</u>	55	<u>222</u>	33	<u>1261</u>
P13 60		36	<u>1412</u>	60	<u>224</u>	36	<u>1271</u>
P14 65		39	<u>1419</u>	65		39	<u>1277</u>
P15 70		42	<u>1425</u>	70		42	<u>1383</u>
P16 75		45	<u>1421</u>	75		45	<u>1290</u>
P17 80		48	<u>1422</u>	80		48	<u>1395</u>
P18 85		51	<u>1436</u>	85		51	<u>1401</u>
P19 90		54	<u>1439</u>	90		54	<u>1404</u>
P20 95		57	<u>1442</u>	95		57	<u>1408</u>
100		60	<u>1444</u>	100		60	<u>1412</u>

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 16152

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.	Open Tool _____ M		
B First Initial Flow Pressure _____ P.S.I.	First Flow Pressure _____ Mins. _____ Mins.		
C First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure _____ Mins. _____ Mins.		
D Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure _____ Mins. _____ Mins.		
E Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure _____ Mins. _____ Mins.		
F Second Final Flow Pressure _____ P.S.I.			
G Final Closed-in Pressure _____ P.S.I.			
H Final Hydrostatic Mud _____ P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1414
P 2 110		66		110		66	1416
P 3 115		69		115		69	1418
P 4 120		72		120		72	1419
P 5 125		75		125		75	1420
P 6 130		78		130		78	1421
P 7 135		81		135		81	1422
P 8 140		84		140		84	1424
P 9 145		87		145		87	1426
P10 150		90		150		90	1428
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE	: 9-10-93	TICKET	: 16153
CUSTOMER	: HUMMON CORP.	LEASE	: SWARNER
WELL	: #2	TEST: 1	GEOLOGIST: BYRON HUMMON JR.
ELEVATION	: 2144 K.B.	FORMATION	: MISSISSIPPI
SECTION	: 9	TOWNSHIP	: 31S
RANGE	: 18W	COUNTY: COMANCHE	STATE : KS
GAUGE SN#	: 13265	RANGE : 3975	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	5050.00 ft	TO:	5068.00 ft	TVD:	5068.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	5057.0 ft	5050.0 ft			
TEMPERATURE:	124.0				
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 :	5022.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	28.0 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:	5045.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	5050.0 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 ENERGY	VISCOSITY :	46.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	10.400 cc
WEIGHT :	9.400 ppg	SERIAL NUMBER:	411
CHLORIDES :	6000 ppm	REVERSED OUT?:	NO
JARS-MAKE :	WTC		
DID WELL FLOW?:	NO		

COMMENTS

Comment

STRONG BLOW ON INITIAL FLOW PERIOD. GAS TO SURFACE IN 11 MINUTES. SEE ATTACHED SHEET FOR GAS MEASUREMENTS.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
870.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	38 GRAVITY CORRECTED
240.0	60.0	20.0	0.0	20.0	HEAVY GAS & OIL CUT MUD
65.0	0.0	0.0	100.0	0.0	WATER CHLORIDES 87000 PPM

RATE INFORMATION

OIL VOLUME:	14.2227	STB		
GAS VOLUME:	3.7804	SCF		
MUD VOLUME:	0.6733	STB		
WATER VOLUME:	0.9117	STB		
TOTAL FLUID :	15.8077	STB		
			TOTAL FLOW TIME:	90.0000 min.
			AVERAGE OIL RATE:	238.3358 STB/D
			AVERAGE WATER RATE:	14.5874 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2545.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	120.00	151.00
INITIAL SHUT-IN	60.00		1426.00
FINAL FLOW	60.00	201.00	332.00
FINAL SHUT-IN	90.00		1426.00

FINAL HYDROSTATIC PRESSURE: 2446.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2510.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	128.00	154.00
INITIAL SHUT-IN	60.00		1444.00
FINAL FLOW	60.00	224.00	334.00
FINAL SHUT-IN	90.00		1428.00

FINAL HYDROSTATIC PRESSURE: 2430.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-10-93	TICKET : 16153
CUSTOMER : HUMMON CORP.	LEASE : SWARNER
WELL : #2	GEOLOGIST: BYRON HUMMON JR.
ELEVATION: 2144 K.B.	FORMATION: MISSISSIPPI
SECTION : 9	TOWNSHIP : 31S
RANGE : 18W	STATE : KS
GAUGE SN#: 13265	CLOCK : 12
TEST: 1	COUNTY: COMANCHE
	RANGE : 3975

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	128.00	128.00
5.00	128.00	0.00
10.00	128.00	0.00
15.00	129.00	1.00
20.00	135.00	6.00
25.00	145.00	10.00
30.00	154.00	9.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	701.00	701.00	0.00
6.00	972.00	271.00	0.00
9.00	1111.00	139.00	0.00
12.00	1219.00	108.00	0.00
15.00	1286.00	67.00	0.00
18.00	1327.00	41.00	0.00
21.00	1352.00	25.00	0.00
24.00	1371.00	19.00	0.00
27.00	1385.00	14.00	0.00
30.00	1397.00	12.00	0.00
33.00	1410.00	13.00	0.00
36.00	1413.00	3.00	0.00
39.00	1419.00	6.00	0.00
42.00	1425.00	6.00	0.00
45.00	1431.00	6.00	0.00
48.00	1433.00	2.00	0.00
51.00	1436.00	3.00	0.00
54.00	1439.00	3.00	0.00
57.00	1442.00	3.00	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>
60.00	1444.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	224.00	224.00
5.00	224.00	0.00
10.00	224.00	0.00
15.00	230.00	6.00
20.00	241.00	11.00
25.00	250.00	9.00
30.00	261.00	11.00
35.00	279.00	18.00
40.00	287.00	8.00
45.00	296.00	9.00
50.00	312.00	16.00
55.00	323.00	11.00
60.00	334.00	11.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	772.00	772.00	0.00
6.00	986.00	214.00	0.00
9.00	1118.00	132.00	0.00
12.00	1198.00	80.00	0.00
15.00	1249.00	51.00	0.00
18.00	1282.00	33.00	0.00
21.00	1304.00	22.00	0.00
24.00	1323.00	19.00	0.00
27.00	1337.00	14.00	0.00
30.00	1351.00	14.00	0.00
33.00	1361.00	10.00	0.00
36.00	1371.00	10.00	0.00
39.00	1377.00	6.00	0.00
42.00	1383.00	6.00	0.00
45.00	1390.00	7.00	0.00
48.00	1395.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

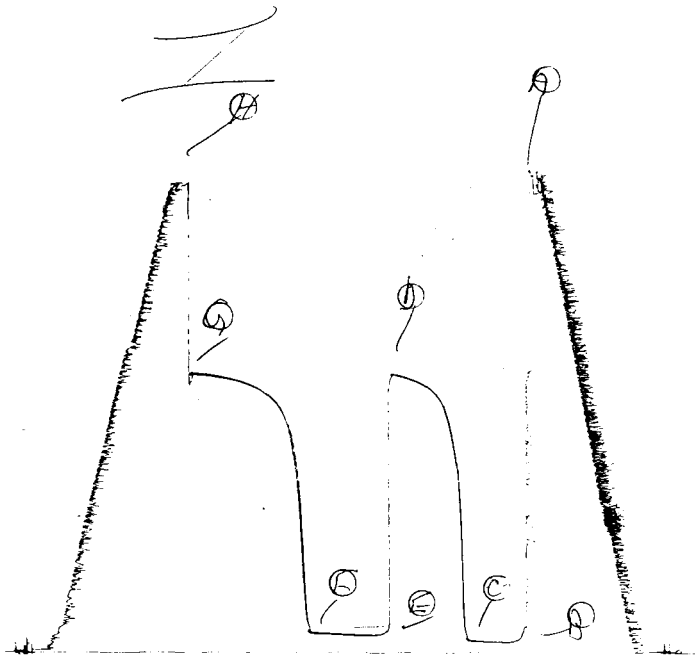
<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
51.00	1401.00	6.00	0.00
54.00	1404.00	3.00	0.00
57.00	1408.00	4.00	0.00
60.00	1412.00	4.00	0.00
63.00	1414.00	2.00	0.00
66.00	1416.00	2.00	0.00
69.00	1418.00	2.00	0.00
72.00	1419.00	1.00	0.00
75.00	1420.00	1.00	0.00
78.00	1421.00	1.00	0.00
81.00	1422.00	1.00	0.00
84.00	1424.00	2.00	0.00
87.00	1426.00	2.00	0.00
90.00	1428.00	2.00	0.00

13265 DSHC



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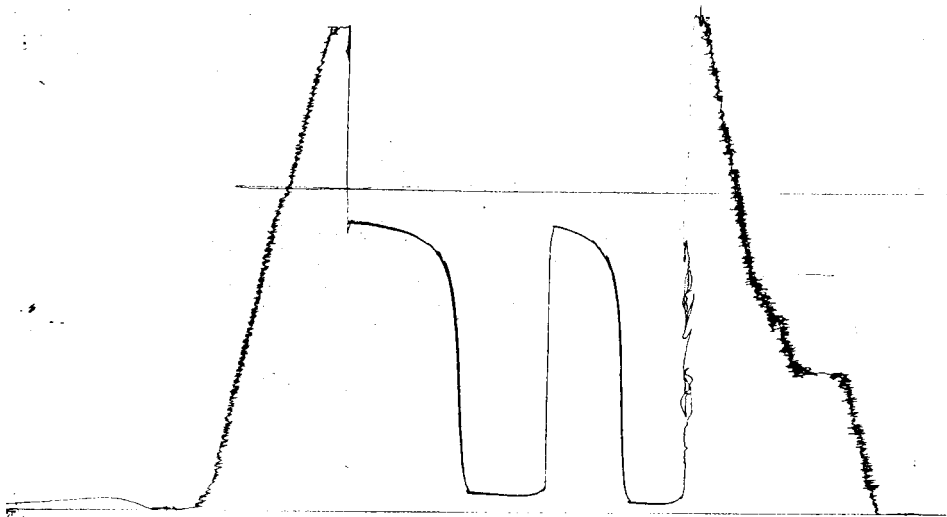


12151 WSP

7K+16154

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET NO 16154

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2144 KB Formation MISS Eff. Pay Ft.

District Pratt Date 9-11-93 Customer Order No.

COMPANY NAME Hummer Corp
ADDRESS 200 West Douglas #1020 Wichita, Kansas 67202

LEASE AND WELL NO 2 SWARMER COUNTY Comanche STATE Kans Sec 9 Twp 31s Rge 16e

Mail Invoice To SAME Co. Name SAME Address No. Copies Requested 8

Mail Charts To SAME Address No. Copies Requested 8

Formation Test No 2 Interval Tested From 5069 ft. to 5082 ft. Total Depth 5082 ft.

Packer Depth 5064 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.

Packer Depth 5069 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 5071 ft. Recorder Number 13265 Cap 3975

Bottom Recorder Depth (Outside) 5074 ft. Recorder Number 13759 Cap 3900

Below Straddle Recorder Depth ft. Recorder Number Cap

Drilling Contractor Val Energy Drill Collar Length 0 I. D. in.

Mud Type Chem Viscosity 43 Weight Pipe Length 0 I. D. in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 5041 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 28 ft. Tool Size 5/200 in.

Jars: Make WTC Serial Number 411 Anchor Length 13 ft. Size 5/200 in.

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

Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 in.

Blow: Weak to a strong blow in 30 minutes on initial flow
Strong blow on final flow

Recovered 1080 ft. of Gas in Pipe

Recovered 120 ft. of Muddy water 10% mud 90% water 28,000 P.P.M.

Recovered ft. of (5 ft oil out top)

Recovered 60 ft. of Watery mud 30% water - 70% mud

Recovered ft. of

Chlorides P.P.M. Sample Jars used Remarks:

Time On Location 12:00 A.M. Time Pick Up Tool 8:45 P.M. Time Off Location A.M.

Time Set Packer(s) 10:00 P.M. Time Started Off Bottom 2:15 P.M. Maximum Temperature 126.9 F

Initial Hydrostatic Pressure (A) 2446 P.S.I.

Initial Flow Period Minutes 45 (B) 50 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period Minutes 60 (D) 1446 P.S.I.

Final Flow Period Minutes 60 (E) 80 P.S.I. to (F) 100 P.S.I.

Final Closed In Period Minutes 90 (G) 1446 P.S.I.

Final Hydrostatic Pressure (H) 2426 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

Western Representative Ted Tritt - Thank you

FIELD INVOICE

Open Hole Test \$
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$

WESTERN TESTING CO., INC.

Pressure Data

Date 9-11-92

Test Ticket No. 16154

Recorder No. 13165 Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud <u>2462</u> P.S.I.	Open Tool	M	
B First Initial Flow Pressure _____ P.S.I.	First Flow Pressure	Mins.	Mins.
C First Final Flow Pressure _____ P.S.I.	Initial Closed-in Pressure	Mins.	Mins.
D Initial Closed-in Pressure _____ P.S.I.	Second Flow Pressure	Mins.	Mins.
E Second Initial Flow Pressure _____ P.S.I.	Final Closed-in Pressure	Mins.	Mins.
F Second Final Flow Pressure _____ P.S.I.			
G Final Closed-in Pressure _____ P.S.I.			
H Final Hydrostatic Mud <u>2427</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	58	0	68	0	28	0	114
P 2 5	58	3	518	5	2	3	167
P 3 10	58	6	822	10	2	6	247
P 4 15	58	9	1040	15	28	9	267
P 5 20	59	12	1149	20	100	12	277
P 6 25	60	15	1230	25	101	15	1079
P 7 30	62	18	1279	30	103	18	1164
P 8 35	64	21	1319	35	105	21	1218
P 9 40	66	24	1341	40	107	24	1260
P10 45	68	27	1363	45	109	27	1291
P11 50		30	1379	50	111	30	1312
P12 55		33	1390	55	113	33	1329
P13 60		36	1399	60	114	36	1344
P14 65		39	1407	65		39	1359
P15 70		42	1416	70		42	1371
P16 75		45	1423	75		45	1381
P17 80		48	1429	80		48	1391
P18 85		51	1436	85		51	1400
P19 90		54	1441	90		54	1405
P20 95		57	1445	95		57	1411
100		60		100		60	1416

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 14154

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.		Open Tool _____ M _____		
B First Initial Flow Pressure _____ P.S.I.		First Flow Pressure _____ Mins. _____ Mins.		
C First Final Flow Pressure _____ P.S.I.		Initial Closed-in Pressure _____ Mins. _____ Mins.		
D Initial Closed-in Pressure _____ P.S.I.		Second Flow Pressure _____ Mins. _____ Mins.		
E Second Initial Flow Pressure _____ P.S.I.		Final Closed-in Pressure _____ Mins. _____ Mins.		
F Second Final Flow Pressure _____ P.S.I.				
G Final Closed-in Pressure _____ P.S.I.				
H Final Hydrostatic Mud _____ P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1422
P 2 110		66		110		66	1428
P 3 115		69		115		69	1432
P 4 120		72		120		72	1435
P 5 125		75		125		75	1438
P 6 130		78		130		78	1441
P 7 135		81		135		81	1443
P 8 140		84		140		84	1445
P 9 145		87		145		87	1447
P10 150		90		150		90	1449
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE	: 9-11-93	TICKET	: 16154
CUSTOMER	: HUMMON CORP.	LEASE	: SWARNER
WELL	: #2	TEST:	2
ELEVATION	: 2144 K.B.	GEOLOGIST	: BYRON HUMMON JR.
SECTION	: 9	FORMATION	: MISSISSIPPI
RANGE	: 18W	TOWNSHIP	: 31S
GAUGE SN#	: 13265	STATE	: KS
		CLOCK	: 12
	COUNTY: COMANCHE		
	RANGE : 3975		

WELL INFORMATION

PERFORATION INTERVAL FROM:	5069.00 ft	TO:	5082.00 ft	TVD:	5082.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	GAS
DEPTH OF RECORDERS:	5069.0 ft		5082.0 ft		
TEMPERATURE:	126.0				
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 :	5041.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	13.0 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:	5064.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5069.0 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 ENERGY	VISCOSITY :	43.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	8000 ppm	SERIAL NUMBER:	411
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK TO A STRONG BLOW IN 30 MINUTES ON INITIAL
FLOW PERIOD. STRONG BLOW ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	90.0	10.0	MUDDY WTR
0.0	0.0	0.0	0.0	0.0	5' OF OIL ON TOP.
0.0	0.0	0.0	0.0	0.0	CHLORIDES 78000 PPM
60.0	0.0	0.0	30.0	70.0	WATERY MUD
0.0	0.0	0.0	0.0	0.0	1080 GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.7574	STB		
WATER VOLUME:	1.7673	STB		
TOTAL FLUID :	2.5247	STB		
			TOTAL FLOW TIME:	105.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	34.6251 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2446.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	50.00	70.00
INITIAL SHUT-IN	60.00		1446.00
FINAL FLOW	60.00	80.00	100.00
FINAL SHUT-IN	90.00		1446.00

FINAL HYDROSTATIC PRESSURE: 2426.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2462.00

Description	Duration	p1	p End
INITIAL FLOW	45.00	58.00	68.00
INITIAL SHUT-IN	57.00		1445.00
FINAL FLOW	60.00	98.00	114.00
FINAL SHUT-IN	90.00		1449.00

FINAL HYDROSTATIC PRESSURE: 2427.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-11-93	TICKET : 16154
CUSTOMER : HUMMON CORP.	LEASE : SWARNER
WELL : #2	GEOLOGIST: BYRON HUMMON JR.
ELEVATION: 2144 K.B.	FORMATION: MISSISSIPPI
SECTION : 9	TOWNSHIP : 31S
RANGE : 18W	STATE : KS
GAUGE SN#: 13265	CLOCK : 12
COUNTY: COMANCHE	
RANGE : 3975	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	58.00	58.00
5.00	58.00	0.00
10.00	58.00	0.00
15.00	58.00	0.00
20.00	59.00	1.00
25.00	60.00	1.00
30.00	62.00	2.00
35.00	64.00	2.00
40.00	66.00	2.00
45.00	68.00	2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	518.00	518.00	0.00
6.00	893.00	375.00	0.00
9.00	1040.00	147.00	0.00
12.00	1149.00	109.00	0.00
15.00	1230.00	81.00	0.00
18.00	1279.00	49.00	0.00
21.00	1319.00	40.00	0.00
24.00	1341.00	22.00	0.00
27.00	1363.00	22.00	0.00
30.00	1379.00	16.00	0.00
33.00	1390.00	11.00	0.00
36.00	1399.00	9.00	0.00
39.00	1407.00	8.00	0.00
42.00	1416.00	9.00	0.00
45.00	1423.00	7.00	0.00
48.00	1429.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
51.00	1436.00	7.00	0.00
54.00	1441.00	5.00	0.00
57.00	1445.00	4.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	98.00	98.00
5.00	98.00	0.00
10.00	98.00	0.00
15.00	98.00	0.00
20.00	100.00	2.00
25.00	101.00	1.00
30.00	103.00	2.00
35.00	105.00	2.00
40.00	107.00	2.00
45.00	109.00	2.00
50.00	111.00	2.00
55.00	113.00	2.00
60.00	114.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	167.00	167.00	0.00
6.00	447.00	280.00	0.00
9.00	767.00	320.00	0.00
12.00	977.00	210.00	0.00
15.00	1079.00	102.00	0.00
18.00	1164.00	85.00	0.00
21.00	1218.00	54.00	0.00
24.00	1260.00	42.00	0.00
27.00	1291.00	31.00	0.00
30.00	1312.00	21.00	0.00
33.00	1329.00	17.00	0.00
36.00	1344.00	15.00	0.00
39.00	1359.00	15.00	0.00
42.00	1371.00	12.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

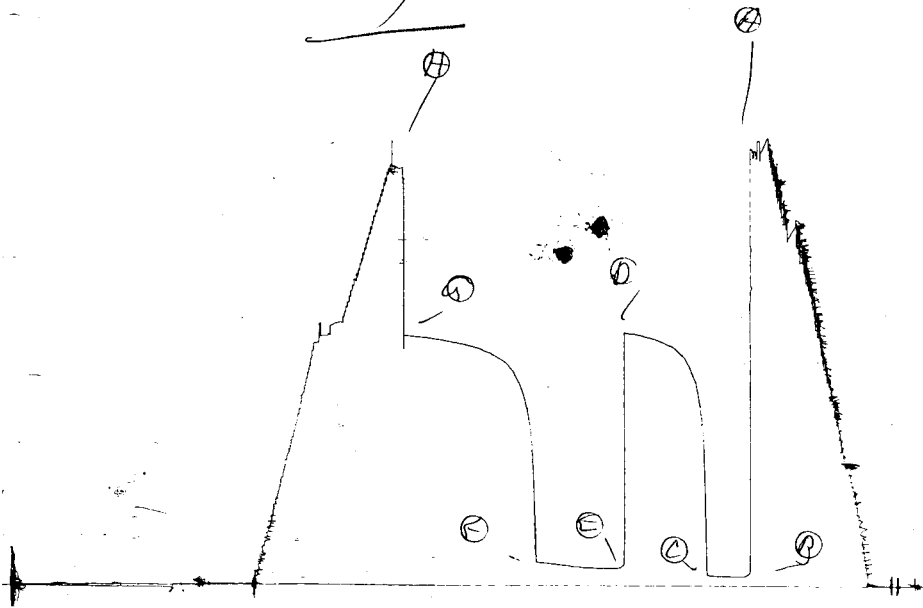
<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
45.00	1381.00	10.00	0.00
48.00	1391.00	10.00	0.00
51.00	1400.00	9.00	0.00
54.00	1405.00	5.00	0.00
57.00	1411.00	6.00	0.00
60.00	1416.00	5.00	0.00
63.00	1423.00	7.00	0.00
66.00	1428.00	5.00	0.00
69.00	1432.00	4.00	0.00
72.00	1435.00	3.00	0.00
75.00	1438.00	3.00	0.00
78.00	1441.00	3.00	0.00
81.00	1443.00	2.00	0.00
84.00	1445.00	2.00	0.00
87.00	1447.00	2.00	0.00
90.00	1449.00	2.00	0.00

1100 1100 1100

KT 9.48

8

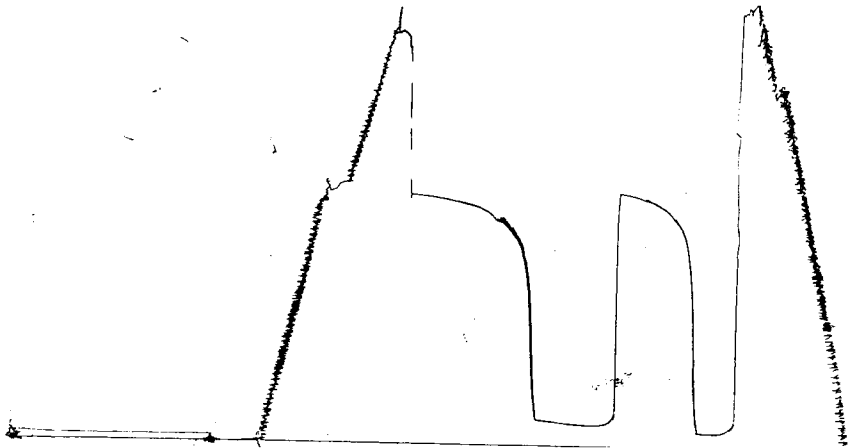
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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 19148

LAST TEST

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 2144 K.B Formation MISS Eff. Pay. _____ Ft.

District GREAT BEND Date 9-12-93 Customer Order No. _____

COMPANY NAME HUMMON CORPORATION

ADDRESS 200 W. DOUGLAS #1020 WICHITA KS 67202

LEASE AND WELL NO. SWARNER #2 COUNTY COMANCHE STATE KS Sec. 9 Twp. 31S Rge. 18W

Mail Invoice To #2 SWARNER No. Copies Requested R06

Mail Charts To SAME No. Copies Requested R06

Address _____

Formation Test No. 3 Interval Tested From 5080 ft. to 5108 ft. Total Depth 5108 ft.

Packer Depth 5075 ft. Size 6 3/8 in. Packer Depth 7 ft. Size 7 in.

Packer Depth 5080 ft. Size 6 3/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5083 ft. Recorder Number 11018 Cap. 4425

Bottom Recorder Depth (Outside) 5105 ft. Recorder Number 13629 Cap. 4425

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

Drilling Contractor WAL ENERGY R161 Drill Collar Length 0 I. D. 7 in.

Mud Type CHEMICAL Viscosity 43 Weight Pipe Length 0 I. D. 7 in.

Weight 9.2 Water Loss 11.2 cc. Drill Pipe Length 5054 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 in.

Jars: Make WESTERN Serial Number 12363 Anchor Length 28 ft. Size 5 1/2 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 1/2 in.

Blow: 1ST FLOW: GOOD BLOW 7"

2ND FLOW: STRONG BLOW 10"

Recovered 270 ft. of WATER

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Chlorides 2000-30,000 P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 1:00 A.M. Time Pick Up Tool 1:30 A.M. Time Off Location 11:00 A.M.

Time Set Packer(s) 3:05 A.M. Time Started Off Bottom 7:05 A.M. Maximum Temperature 121°

Initial Hydrostatic Pressure _____ (A) 2466 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 40 P.S.I. to (C) 70 P.S.I.

Initial Closed In Period _____ Minutes 60 (D) 1442 P.S.I.

Final Flow Period _____ Minutes 60 (E) 91 P.S.I. to (F) 126 P.S.I.

Final Closed In Period _____ Minutes 90 (G) 1427 P.S.I.

Final Hydrostatic Pressure _____ (H) 2377 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained directly or indirectly through the use of its equipment, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]
Signature of Customer or his authorized representative

Western Representative [Signature]

FIELD INVOICE

Open Hole Test \$ ✓
Misrun \$ _____
Straddle Test \$ _____
Jars \$ ✓
Selective Zone \$ _____
Safety Joint \$ ✓
Standby \$ _____
Evaluation \$ _____
Extra Packer \$ _____
Circ. Sub. \$ _____
Mileage \$ _____
Fluid Sampler \$ _____
Extra Charts \$ ✓ 8 TOTAL
Insurance \$ _____
Telecopier \$ _____
TOTAL \$ _____

WESTERN TESTING CO., INC.

Pressure Data

Date 7-12-92

Test Ticket No. 19148

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2497</u> P.S.I.		M
B First Initial Flow Pressure	P.S.I.	Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Mins.	Mins.
F Second Final Flow Pressure	P.S.I.	Mins.	Mins.
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	<u>2400</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>601</u>	0	<u>606</u>	0	<u>107</u>	0	<u>140</u>
P 2 5	<u>607</u>	3	<u>512</u>	5	<u>107</u>	3	<u>625</u>
P 3 10	<u>607</u>	6	<u>802</u>	10	<u>107</u>	6	<u>936</u>
P 4 15	<u>601</u>	9	<u>1065</u>	15	<u>107</u>	9	<u>1050</u>
P 5 20	<u>602</u>	12	<u>1181</u>	20	<u>107</u>	12	<u>1130</u>
P 6 25	<u>604</u>	15	<u>1239</u>	25	<u>108</u>	15	<u>1184</u>
P 7 30	<u>606</u>	18	<u>1283</u>	30	<u>110</u>	18	<u>1238</u>
P 8 35		21	<u>1326</u>	35	<u>114</u>	21	<u>1265</u>
P 9 40		24	<u>1345</u>	40	<u>118</u>	24	<u>1290</u>
P10 45		27	<u>1366</u>	45	<u>122</u>	27	<u>1304</u>
P11 50		30	<u>1383</u>	50	<u>126</u>	30	<u>1317</u>
P12 55		33	<u>1393</u>	55	<u>131</u>	33	<u>1326</u>
P13 60		36	<u>1405</u>	60	<u>137</u>	36	<u>1344</u>
P14 65		39	<u>1413</u>	65	<u>140</u>	39	<u>1350</u>
P15 70		42	<u>1422</u>	70		42	<u>1362</u>
P16 75		45	<u>1419</u>	75		45	<u>1370</u>
P17 80		48	<u>1433</u>	80		48	<u>1379</u>
P18 85		51	<u>1447</u>	85		51	<u>1382</u>
P19 90		54	<u>1447</u>	90		54	<u>1388</u>
P20 95		57	<u>1452</u>	95		57	<u>1393</u>
100		60	<u>1454</u>	100		60	<u>1400</u>
		<u>62</u>	<u>1456</u>				

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 19148

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	_____	M	_____
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mins. _____
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mins. _____
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105	_____	63	_____	105	_____	63	1402
P 2 110	_____	66	_____	110	_____	66	1406
P 3 115	_____	69	_____	115	_____	69	1410
P 4 120	_____	72	_____	120	_____	72	1414
P 5 125	_____	75	_____	125	_____	75	1419
P 6 130	_____	78	_____	130	_____	78	1424
P 7 135	_____	81	_____	135	_____	81	1427
P 8 140	_____	84	_____	140	_____	84	1430
P 9 145	_____	87	_____	145	_____	87	1433
P10 150	_____	90	_____	150	_____	90	1435
P11 155	_____	93	_____	155	_____	93	1437
P12 160	_____	96	_____	160	_____	96	1439
P13 165	_____	99	_____	165	_____	99	1441
P14 170	_____	102	_____	170	_____	102	_____
P15 175	_____	105	_____	175	_____	105	_____
P16 180	_____	108	_____	180	_____	108	_____
P17 185	_____	111	_____	185	_____	111	_____
P18 190	_____	114	_____	190	_____	114	_____
P19 195	_____	117	_____	195	_____	117	_____
P20 200	_____	120	_____	200	_____	120	_____

DST REPORT

GENERAL INFORMATION

DATE	: 9-12-93	TICKET	: 19148
CUSTOMER	: HUMMON CORP.	LEASE	: SWARNER
WELL	: #2	TEST:	3
ELEVATION	: 2144 K.B.	GEOLOGIST	: BYRON HUMMON JR.
SECTION	: 9	FORMATION	: MISSISSIPPI
RANGE	: 18W	TOWNSHIP	: 31S
GAUGE SN#	: 11018	STATE	: KS
		CLOCK	: 12
		COUNTY	: COMANCHE
		RANGE	: 4425

WELL INFORMATION

PERFORATION INTERVAL FROM:	5080.00 ft	TO:	5108.00 ft	TVD:	5108.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	5083.0 ft		5105.0 ft		
TEMPERATURE:	121.0				
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 :	5054.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	26.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	28.0 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:	5075.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	5080.0 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 ENERGY	VISCOSITY :	43.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	11.200 cc
WEIGHT :	9.200 ppg		
CHLORIDES :	8000 ppm	SERIAL NUMBER:	12363
JARS-MAKE :	WTC	REVERSED OUT?:	NO
DID WELL FLOW?:	NO		

COMMENTS

Comment

GOOD 7 INCH BLOW THROUGHOUT INITIAL FLOW PERIOD.
STRONG 10" BLOW THROUGHOUT FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
270.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	RW .2 AT 80 DEG. F.
0.0	0.0	0.0	0.0	0.0	CHLORIDES 30000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.0000	STB		
WATER VOLUME:	3.7871	STB		
TOTAL FLUID :	3.7871	STB		
			TOTAL FLOW TIME:	95.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	57.4047 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2466.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	40.00	70.00
INITIAL SHUT-IN	60.00		1442.00
FINAL FLOW	60.00	91.00	126.00
FINAL SHUT-IN	90.00		1427.00

FINAL HYDROSTATIC PRESSURE: 2377.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2497.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	61.00	66.00
INITIAL SHUT-IN	63.00		1456.00
FINAL FLOW	65.00	107.00	140.00
FINAL SHUT-IN	99.00		1441.00

FINAL HYDROSTATIC PRESSURE: 2400.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 9-12-93	TICKET : 19148
CUSTOMER : HUMMON CORP.	LEASE : SWARNER
WELL : #2	GEOLOGIST: BYRON HUMMON JR.
ELEVATION: 2144 K.B.	FORMATION: MISSISSIPPI
SECTION : 9	TOWNSHIP : 31S
RANGE : 18W	STATE : KS
GAUGE SN#: 11018	CLOCK : 12
TEST: 3	
COUNTY: COMANCHE	
RANGE : 4425	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	61.00	61.00
5.00	61.00	0.00
10.00	61.00	0.00
15.00	61.00	0.00
20.00	62.00	1.00
25.00	64.00	2.00
30.00	66.00	2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	312.00	312.00	0.00
6.00	862.00	550.00	0.00
9.00	1065.00	203.00	0.00
12.00	1181.00	116.00	0.00
15.00	1239.00	58.00	0.00
18.00	1283.00	44.00	0.00
21.00	1326.00	43.00	0.00
24.00	1345.00	19.00	0.00
27.00	1366.00	21.00	0.00
30.00	1383.00	17.00	0.00
33.00	1393.00	10.00	0.00
36.00	1405.00	12.00	0.00
39.00	1413.00	8.00	0.00
42.00	1422.00	9.00	0.00
45.00	1429.00	7.00	0.00
48.00	1433.00	4.00	0.00
51.00	1441.00	8.00	0.00
54.00	1447.00	6.00	0.00
57.00	1452.00	5.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
45.00	1370.00	7.00	0.00
48.00	1379.00	9.00	0.00
51.00	1382.00	3.00	0.00
54.00	1388.00	6.00	0.00
57.00	1393.00	5.00	0.00
60.00	1400.00	7.00	0.00
63.00	1403.00	3.00	0.00
66.00	1406.00	3.00	0.00
69.00	1410.00	4.00	0.00
72.00	1414.00	4.00	0.00
75.00	1419.00	5.00	0.00
78.00	1424.00	5.00	0.00
81.00	1427.00	3.00	0.00
84.00	1430.00	3.00	0.00
87.00	1433.00	3.00	0.00
90.00	1435.00	2.00	0.00
93.00	1437.00	2.00	0.00
96.00	1439.00	2.00	0.00
99.00	1441.00	2.00	0.00