

SUBSURFACE PRESSURE SURVEY

DATE	: 1-31-86	TICKET	: 9299
CUSTOMER	: F.G. HOLL	LEASE	: COOK
WELL	: 1-7 TEST: 1	GEOLOGIST	: BIDLEMAN
ELEVATION	: 1839	FORMATION	: INDIAN CAVE
SECTION	: 7	TOWNSHIP	: 30S
RANGE	: 12W	STATE	: KANSAS
GAUGE SN#	: 2606	CLOCK	: 12
	COUNTY : BARBER		
	RANGE : 4150		

INTERVAL FROM	: 2775	TO	: 2812	TOTAL DEPTH	: 2812
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 2770	SIZE	: 6 5/8		
PACKER DEPTH	: 2775	SIZE	: 6 5/8		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: STERLING DRLG		
MUD TYPE	: CHEMICAL	VISCOSITY	: 40
WEIGHT	: 9.0	WATER LOSS (CC)	: 10.4
CHLORIDES (PPM)	: 3600		
JARS-MAKE	: WTC	SERIAL NUMBER	: 408
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 434	FT	I.D. inch	: 2.25
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 2313	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 28	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 37	FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST (NO GAS).
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	: 900	FT OF: MUDDY WATER.	8.67 Barrels
RECOVERED	: 0	FT OF: CHLORIDES 110000 PPM.	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
RECOVERED	: 0	FT OF:	0.00 Barrels
Total Barrels =	8.7	Total Production =	208.1 Bpd

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 2:40 PM	TIME STARTED OFF BOTTOM	: 4:40 PM
WELL TEMPERATURE	: 108		
INITIAL HYDROSTATIC PRESSURE		(A)	1392
INITIAL FLOW PERIOD	MIN: 30	(B)	317 PSI TO (C) : 332
INITIAL CLOSED IN PERIOD	MIN: 30	(D)	962
FINAL FLOW PERIOD	MIN: 30	(E)	496 PSI TO (F) : 517
FINAL CLOSED IN PERIOD	MIN: 30	(G)	962
FINAL HYDROSTATIC PRESSURE		(H)	1367

Pressure Transient Report

DATA FILE.....
COMPANY.....F.G. HOLL
DATE OF TEST.....1-31-86
FIELD NAME.....COOK
WELL NAME.....1-7
LOCATION.....BARBER-KANSAS
JOB NUMBER.....9299
GAUGE NUMBER.....2606
GAUGE DEPTH.....2812

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	1./31/86.	2.: 40.: 0.

COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9299
GAUGE # : 2606 DEPTH : 2812
MON/DAY : 1/31

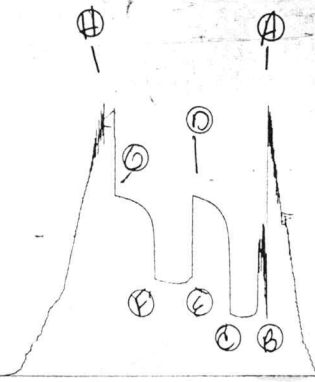
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	2:40: 0	0 0.000	317.00	108.0	0.00	80.02
2	2:45: 0	5 0.083	317.00	108.0	0.00	0.00
3	2:50: 0	10 0.167	317.00	108.0	0.00	0.00
4	2:55: 0	15 0.250	317.00	108.0	0.00	0.00
5	3: 0: 0	20 0.333	317.00	108.0	0.00	0.00
6	3: 5: 0	25 0.417	323.00	108.0	6.00	72.02
7	3:10: 0	30 0.500	332.00	108.0	15.00	107.95
8	3:13: 0	33 0.550	746.00	108.0	429.00	8282.02
9	3:16: 0	36 0.600	834.00	108.0	517.00	1760.43
10	3:19: 0	39 0.650	873.00	108.0	556.00	780.19
11	3:22: 0	42 0.700	899.00	108.0	582.00	520.13
12	3:25: 0	45 0.750	917.00	108.0	600.00	359.65
13	3:28: 0	48 0.800	931.00	108.0	614.00	280.07
14	3:31: 0	51 0.850	941.00	108.0	624.00	200.05
15	3:34: 0	54 0.900	949.00	108.0	632.00	160.04
16	3:37: 0	57 0.950	956.00	108.0	639.00	140.03
17	3:40: 0	60 1.000	962.00	108.0	645.00	119.88
18	3:41: 0	61 1.017	496.00	108.0	179.00	-27966.83
19	3:45: 0	65 1.083	496.00	108.0	179.00	0.00
20	3:50: 0	70 1.167	496.00	108.0	179.00	0.00
21	3:55: 0	75 1.250	496.00	108.0	179.00	0.00
22	4: 0: 0	80 1.333	503.00	108.0	186.00	84.02
23	4: 5: 0	85 1.417	511.00	108.0	194.00	96.02
24	4:10: 0	90 1.500	517.00	108.0	200.00	71.96
25	4:13: 0	93 1.550	821.00	108.0	504.00	6081.48
26	4:16: 0	96 1.600	868.00	108.0	551.00	940.23
27	4:19: 0	99 1.650	898.00	108.0	581.00	600.15
28	4:22: 0	102 1.700	913.00	108.0	596.00	300.07
29	4:25: 0	105 1.750	927.00	108.0	610.00	279.73
30	4:28: 0	108 1.800	938.00	108.0	621.00	220.05
31	4:31: 0	111 1.850	946.00	108.0	629.00	160.04
32	4:34: 0	114 1.900	952.00	108.0	635.00	120.03
33	4:37: 0	117 1.950	958.00	108.0	641.00	120.03
34	4:40: 0	120 2.000	962.00	108.0	645.00	79.92

2600 DST#1
A

QK #9299

I



19267 DST #1

JK #9299

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 9300

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1839 KB Formation Douglas SD Eff. Pay _____ Ft.

WICHITA, KANSAS 67201

District Peatt

Date 2-2-84

Customer Order No. _____

COMPANY NAME F R Hall

ADDRESS 6427 E. Kellogg 67207 Wichita Kansas 67207

LEASE AND WELL NO. 1-7 Cook COUNTY Barber STATE KANSAS Sec. 7 Twp. 30s Rge. 12w

Mail Invoice To Same No. Copies Requested leg

Co. Name

Address

Mail Charts To Same #1-7 Cook No. Copies Requested leg

Address

Formation Test No. 2 Interval Tested From 3755 ft. to 3791 ft. Total Depth 3791 ft.

Packer Depth 3750 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 3755 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3767 ft.

Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 3770 ft.

Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth — ft.

Recorder Number — Cap. —

Drilling Contractor Steeling Drilling Fig 4

Drill Collar Length 425 I. D. 2 1/4 in.

Mud Type Driscoll Viscosity 46

Weight Pipe Length — I. D. — in.

Weight 9.4 Water Loss 8.0 cc.

Drill Pipe Length 330R I. D. 3.8 in.

Chlorides 5.800 P.P.M.

Test Tool Length 28 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 408

Anchor Length 36 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 TH in.

Blow: Strong blow on both initial & final flows no gas to surf

Recovered 70 ft. of gas tail cut mud 40% gas 10% oil 50% mud

Recovered 60 ft. of gas & heavy oil cut mud 25% gas - 20% oil 55% mud

Recovered 60 ft. of gas tail cut watery mud 25% gas 20% oil 15% water 40% mud

Recovered — ft. of —

Recovered 650 ft. of gas in pipe

Chlorides — P.P.M. Sample Jars used 3 Remarks: _____

Time On Location 3:00 A.M. Time Pick Up Tool 5:30 P.M. Time Off Location _____ A.M.

Time Set Packer(s) 6:40 P.M. Time Started Off Bottom 9:40 P.M. Maximum Temperature 118°F

Initial Hydrostatic Pressure _____ (A) 1926 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 83 P.S.I. to (C) 83 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 260 P.S.I.

Final Flow Period _____ Minutes 60 (E) 135 P.S.I. to (F) 135 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 831 P.S.I.

Final Hydrostatic Pressure _____ (H) 1905 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 W. Byrre Bridlema

Signature of Customer or his authorized representative

Western Representative Red Smith

Thank you

2076

FIELD INVOICE

Open Hole Test \$ 550
Misrun \$
Straddle Test \$
Jars \$ 300
Selective Zone \$
Safety Joint \$ 65
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$ 60
Telecopier \$
TOTAL \$

SUBSURFACE PRESSURE SURVEY

DATE	: 2-2-86	TICKET	: 9300
CUSTOMER	: F.G. HOLL	LEASE	: COOK
WELL	: 1-7 TEST: 2	GEOLOGIST	: BIDLEMAN
ELEVATION	: 1839	FORMATION	: DOUGLAS SAND
SECTION	: 7	TOWNSHIP	: 30S
RANGE	: 12W	COUNTY	: BARBER
GAUGE SN#	: 2606	RANGE	: 4150
		STATE	: KANSAS
		CLOCK	: 12

INTERVAL FROM	: 3755	TO	: 3791	TOTAL DEPTH	: 3791
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3750	SIZE	: 6 5/8		
PACKER DEPTH	: 3755	SIZE	: 6 5/8		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: STERLING DRLG		
MUD TYPE	: DRISPAC	VISCOSITY	: 46
WEIGHT	: 9.4	WATER LOSS (CC)	: 8.0
CHLORIDES (PPM)	: 5800		
JARS-MAKE	: WTC	SERIAL NUMBER	: 408
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 425	FT	I.D. inch	: 2.25
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3302	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 28	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 36	FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST (NO GAS TO SURFACE).
 BLOW COMMENT #2 :
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	: 70	FT	OF: GAS & OIL CUT MUD.	0.34 Barrels
RECOVERED	: 0	FT	OF: (40%GAS; 10%OIL; 50%MUD).	0.00 Barrels
RECOVERED	: 60	FT	OF: GAS & HVY OIL CUT MUD.	0.30 Barrels
RECOVERED	: 0	FT	OF: (25%GAS; 20%OIL; 55%MUD).	0.00 Barrels
RECOVERED	: 60	FT	OF: GAS & OIL CUT WATERY MUD.	0.30 Barrels
RECOVERED	: 0	FT	OF: (25%G; 20%O; 15%W; 40%M).	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
Total Barrels =	0.9	Total Production =	14.9 Bpd	

REMARK 1 : RECOVERED 650 FEET OF GAS ABOVE FLUID.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 6:40 PM	TIME STARTED OFF BOTTOM	: 9:40 PM
WELL TEMPERATURE	: 118		
INITIAL HYDROSTATIC PRESSURE		(A)	1892
INITIAL FLOW PERIOD	MIN: 30	(B)	94
INITIAL CLOSED IN PERIOD	MIN: 27	(D)	253
FINAL FLOW PERIOD	MIN: 60	(E)	131
FINAL CLOSED IN PERIOD	MIN: 60	(G)	846
FINAL HYDROSTATIC PRESSURE		(H)	1828

Pressure Transient Report

DATA FILE.....

COMPANY.....F.G. HOLL

DATE OF TEST.....2-2-86

FIELD NAME.....COOK

WELL NAME.....1-7

LOCATION.....BARBER-KANSAS

JOB NUMBER.....9300

GAUGE NUMBER.....2606

GAUGE DEPTH.....3791

COMMENTS

RECOVERED 650 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./2/86.	6.: 40.: 0.

COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9300
GAUGE # : 2606 DEPTH : 3791
MON/DAY : 2/ 2

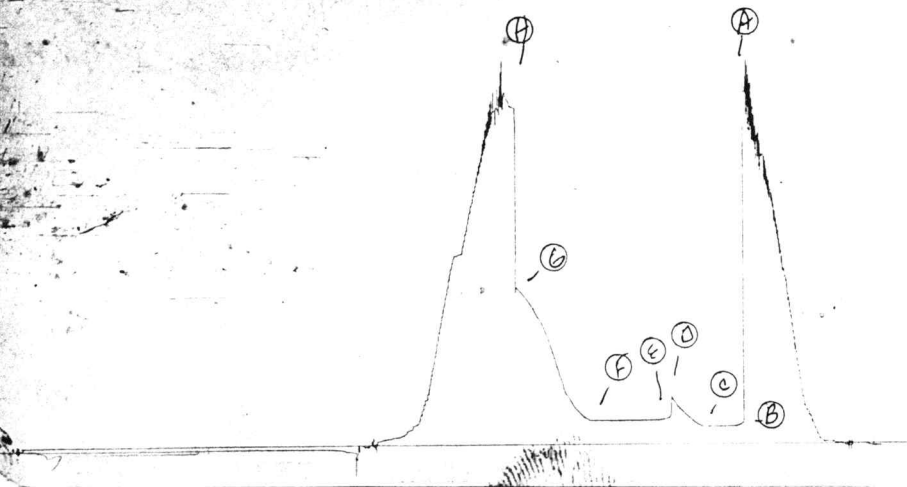
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	6:40: 0	0 0.000	94.00	118.0	0.00	0.00
2	6:45: 0	5 0.083	94.00	118.0	0.00	0.00
3	6:50: 0	10 0.167	94.00	118.0	0.00	0.00
4	6:55: 0	15 0.250	94.00	118.0	0.00	0.00
5	7: 0: 0	20 0.333	94.00	118.0	0.00	0.00
6	7: 5: 0	25 0.417	94.00	118.0	0.00	0.00
7	7:10: 0	30 0.500	94.00	118.0	0.00	0.00
8	7:13: 0	33 0.550	97.00	118.0	3.00	60.01
9	7:16: 0	36 0.600	106.00	118.0	12.00	180.04
10	7:19: 0	39 0.650	120.00	118.0	26.00	280.07
11	7:22: 0	42 0.700	137.00	118.0	43.00	340.08
12	7:25: 0	45 0.750	158.00	118.0	64.00	419.59
13	7:28: 0	48 0.800	178.00	118.0	84.00	400.10
14	7:31: 0	51 0.850	201.00	118.0	107.00	460.11
15	7:34: 0	54 0.900	233.00	118.0	139.00	640.16
16	7:37: 0	57 0.950	253.00	118.0	159.00	400.10
17	7:38: 0	58 0.967	131.00	118.0	37.00	-7295.07
18	7:42: 0	62 1.033	131.00	118.0	37.00	0.00
19	7:47: 0	67 1.117	131.00	118.0	37.00	0.00
20	7:52: 0	72 1.200	131.00	118.0	37.00	0.00
21	7:57: 0	77 1.283	131.00	118.0	37.00	0.00
22	8: 2: 0	82 1.367	131.00	118.0	37.00	0.00
23	8: 7: 0	87 1.450	131.00	118.0	37.00	0.00
24	8:12: 0	92 1.533	131.00	118.0	37.00	0.00
25	8:17: 0	97 1.617	131.00	118.0	37.00	0.00
26	8:22: 0	102 1.700	131.00	118.0	37.00	0.00
27	8:27: 0	107 1.783	131.00	118.0	37.00	0.00
28	8:32: 0	112 1.867	131.00	118.0	37.00	0.00
29	8:37: 0	117 1.950	131.00	118.0	37.00	0.00
30	8:40: 0	120 2.000	135.00	118.0	41.00	79.92
31	8:43: 0	123 2.050	148.00	118.0	54.00	260.06
32	8:46: 0	126 2.100	164.00	118.0	70.00	320.08
33	8:49: 0	129 2.150	190.00	118.0	96.00	520.13
34	8:52: 0	132 2.200	220.00	118.0	126.00	600.15
35	8:55: 0	135 2.250	256.00	118.0	162.00	719.30
36	8:58: 0	138 2.300	302.00	118.0	208.00	920.22
37	9: 1: 0	141 2.350	360.00	118.0	266.00	1160.28
38	9: 4: 0	144 2.400	431.00	118.0	337.00	1420.35
39	9: 7: 0	147 2.450	494.00	118.0	400.00	1260.31
40	9:10: 0	150 2.500	549.00	118.0	455.00	1098.93
41	9:13: 0	153 2.550	604.00	118.0	510.00	1100.27
42	9:16: 0	156 2.600	649.00	118.0	555.00	900.22
43	9:19: 0	159 2.650	682.00	118.0	588.00	660.16
44	9:22: 0	162 2.700	726.00	118.0	632.00	880.21
45	9:25: 0	165 2.750	753.00	118.0	659.00	539.47
46	9:28: 0	168 2.800	782.00	118.0	688.00	580.14
47	9:31: 0	171 2.850	810.00	118.0	716.00	560.14
48	9:34: 0	174 2.900	833.00	118.0	739.00	460.11
49	9:37: 0	177 2.950	846.00	118.0	752.00	260.06

2606 DST #2



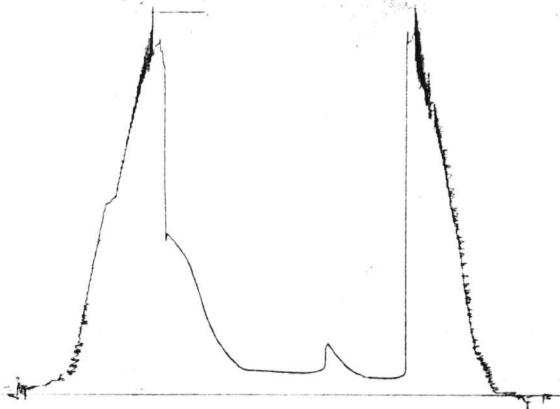
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13267 DST#2

JK # 9300

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 9426

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1839 KB Formation Swage Bff. Pay Ft.

District

Date

Customer Order No.

COMPANY NAME

ADDRESS 6427 East Kellogg Wichita, KS 67207

LEASE AND WELL NO. 1-7 Cook COUNTY Barber STATE KANSAS Sec. 7 Twp. 30s Rge. 12w

Mail Invoice To Same #1-7 COOK No. Copies Requested 19

Co. Name F.G. Holl Address Box 158, Belpre KS 67519 No. Copies Requested 19

Mail Charts To One Copy at Belpre F.G. Holl, Box 158, Belpre KS 67519 No. Copies Requested 19

Formation Test No. 3 Interval Tested From 4225 ft. to 4269 ft. Total Depth 4269 ft.

Packer Depth 4220 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4225 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 42 42 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 42 45 ft. Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Steeling Drilling Rig 4 Drill Collar Length 425 I. D. 2 1/4 in.

Mud Type Deispac Viscosity 47 Weight Pipe Length I. D. in.

Weight 9.5 Water Loss 10.8 cc. Drill Pipe Length 3780 I. D. 3.8 in.

Chlorides 5400 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make NO Serial Number Anchor Length 44 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 in.

Blow: Strong blow - gas to surface 2 minutes See flow chart

Recovered ft. of

Recovered 40 ft. of slightly oil cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

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

Time On Location 6:30 A.M. Time Pick Up Tool 8:30 A.M. Time Off Location 3:30 P.M.

Time Set Packer(s) 9:55 A.M. Time Started Off Bottom 12:55 P.M. Maximum Temperature 125 °F

Initial Hydrostatic Pressure (A) 2292 P.S.I.

Initial Flow Period Minutes 30 (B) 187 P.S.I. to (C) 208 P.S.I.

Initial Closed In Period Minutes 30 (D) 1579 P.S.I.

Final Flow Period Minutes 60 (E) 239 P.S.I. to (F) 239 P.S.I.

Final Closed In Period Minutes 60 (G) 1558 P.S.I.

Final Hydrostatic Pressure (H) 2240 P.S.I.

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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 of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test \$ 595.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$ 65.00

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$

Fluid Sampler \$

Extra Charts \$

Insurance \$ 60.00

Telecopier \$

TOTAL

\$ 720.00

SUBSURFACE PRESSURE SURVEY

DATE : 2-4-86
 CUSTOMER : F.G. HOLL
 WELL : 1-7 TEST: 3
 ELEVATION : 1839
 SECTION : 7
 RANGE : 12W COUNTY : BARBER
 GAUGE SN# : 2606 RANGE : 4150
 TICKET : 9426
 LEASE : COOK
 GEOLOGIST : BIDDLEMAN
 FORMATION : SWOPE
 TOWNSHIP : 30S
 STATE : KANSAS
 CLOCK : 12

INTERVAL FROM : 4225 TO : 4269 TOTAL DEPTH : 4269
 DEPTH OF SELECTIVE ZONE :
 PACKER DEPTH : 4220 SIZE : 6 5/8
 PACKER DEPTH : 4225 SIZE : 6 5/8
 PACKER DEPTH : SIZE :
 PACKER DEPTH : SIZE :

DRILLING CON. : STERLING DRLG
 MUD TYPE : DRISPAC VISCOSITY : 47
 WEIGHT : 9.5 WATER LOSS (CC) : 10.8
 CHLORIDES (PPM) : 5400
 JARS-MAKE : NO SERIAL NUMBER :
 DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 425 FT I.D. inch : 2.25
 WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00
 DRILL PIPE LENGTH : 3780 FT I.D. inch : 3.80
 TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50
 ANCHOR LENGTH : 44 FT ANCHOR SIZE : 5.50
 SURFACE CHOKE SIZE : .75 IN BOTTOM CHOKE SIZE : .75
 MAIN HOLE SIZE : 7.875 IN TOOL JOINT SIZE : 4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST. GAS TO SURFACE IN
 BLOW COMMENT #2 : 2 MINUTES ON THE INITIAL FLOW PERIOD. SEE
 BLOW COMMENT #3 : ATTACHED SHEET FOR GAS MEASUREMENTS.
 BLOW COMMENT #4 :

RECOVERED : 40 FT OF: SL OIL CUT MUD. 0.20 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 RECOVERED : 0 FT OF: 0.00 Barrels
 Total Barrels = 0.2 Total Production = 3.3 Bpd

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S) : 9:55 AM TIME STARTED OFF BOTTOM : 12:55 PM
 WELL TEMPERATURE : 125
 INITIAL HYDROSTATIC PRESSURE (A) 2302
 INITIAL FLOW PERIOD MIN: 25 (B) 196 PSI TO (C) : 204
 INITIAL CLOSED IN PERIOD MIN: 30 (D) 1576
 FINAL FLOW PERIOD MIN: 60 (E) 220 PSI TO (F) : 220
 FINAL CLOSED IN PERIOD MIN: 60 (G) 1549
 FINAL HYDROSTATIC PRESSURE (H) 2217

GAS FLOW REPORT

Date : 2-4-86	Ticket # : 9426
Customer : F.G. HOLL	Lease : COOK
Well : 1-7 Test : 3	Geologist : BIDLEMAN
Elevation (KB) : 1839 Formation : SWOPE	
Section : 7 Township : 30S	
Range : 12W County : BARBER	State : KANSAS
Gauge SN # : 2606 Range : 4150	Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	----------------	-------------------	------------------

PRE FLOW

=====

10	MERLA	1	11 PSIG	499000 CFPD
20			19	699000
30			21	749000

SECOND FLOW

=====

10	MERLA	1	22 PSIG	773000 CFPD
20			22	773000
30			22	773000
40			22	773000
50			22	773000
60			22	773000

Gas Bottle SN # : 91
Date Bottle Filled : 2-4-86
Date to be Invoiced :

Pressure Transient Report

DATA FILE.....

COMPANY.....F.G. HOLL

DATE OF TEST.....2-4-86

FIELD NAME.....COOK

WELL NAME.....1-7

LOCATION.....BARBER-KANSAS

JOB NUMBER.....9426

GAUGE NUMBER.....2606

GAUGE DEPTH.....4269

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./4/86.	9.: 55.: 0.

COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9426
GAUGE # : 2606 DEPTH : 4269
MON/DAY : 2/ 4

PAGE 1

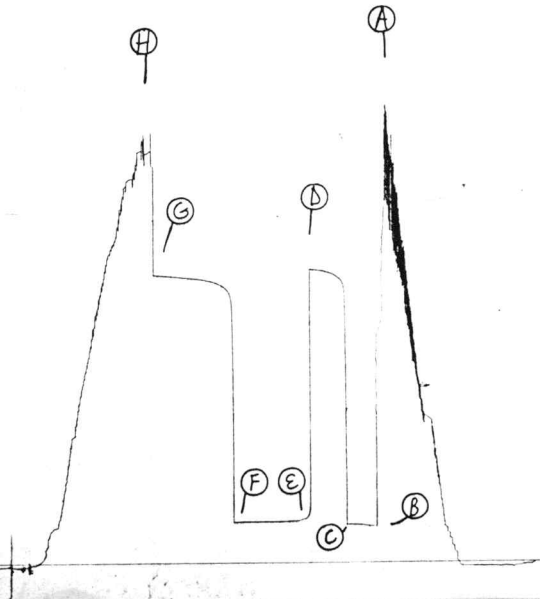
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	ELAPSE TIME HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	9:55: 0	0	0.000	196.00	125.0	0.00	20.00
2	10: 0: 0	5	0.083	197.00	125.0	1.00	12.00
3	10: 5: 0	10	0.167	198.00	125.0	2.00	12.00
4	10:10: 0	15	0.250	200.00	125.0	4.00	23.99
5	10:15: 0	20	0.333	202.00	125.0	6.00	24.01
6	10:20: 0	25	0.417	204.00	125.0	8.00	24.01
7	10:23: 0	28	0.467	1452.00	125.0	1256.00	24935.65
8	10:26: 0	31	0.517	1521.00	125.0	1325.00	1380.34
9	10:29: 0	34	0.567	1540.00	125.0	1344.00	380.09
10	10:32: 0	37	0.617	1552.00	125.0	1356.00	240.06
11	10:35: 0	40	0.667	1561.00	125.0	1365.00	180.04
12	10:38: 0	43	0.717	1567.00	125.0	1371.00	119.88
13	10:41: 0	46	0.767	1570.00	125.0	1374.00	60.01
14	10:44: 0	49	0.817	1572.00	125.0	1376.00	40.01
15	10:47: 0	52	0.867	1574.00	125.0	1378.00	40.01
16	10:50: 0	55	0.917	1576.00	125.0	1380.00	40.01
17	10:51: 0	56	0.933	220.00	125.0	24.00	-81379.87
18	10:55: 0	60	1.000	220.00	125.0	24.00	0.00
19	11: 0: 0	65	1.083	220.00	125.0	24.00	0.00
20	11: 5: 0	70	1.167	220.00	125.0	24.00	0.00
21	11:10: 0	75	1.250	220.00	125.0	24.00	0.00
22	11:15: 0	80	1.333	220.00	125.0	24.00	0.00
23	11:20: 0	85	1.417	220.00	125.0	24.00	0.00
24	11:25: 0	90	1.500	220.00	125.0	24.00	0.00
25	11:30: 0	95	1.583	220.00	125.0	24.00	0.00
26	11:35: 0	100	1.667	220.00	125.0	24.00	0.00
27	11:40: 0	105	1.750	220.00	125.0	24.00	0.00
28	11:45: 0	110	1.833	220.00	125.0	24.00	0.00
29	11:50: 0	115	1.917	220.00	125.0	24.00	0.00
30	11:53: 0	118	1.967	1446.00	125.0	1250.00	24496.08
31	11:56: 0	121	2.017	1475.00	125.0	1279.00	580.14
32	11:59: 0	124	2.067	1492.00	125.0	1296.00	340.08
33	12: 2: 0	127	2.117	1502.00	125.0	1306.00	200.05
34	12: 5: 0	130	2.167	1511.00	125.0	1315.00	180.04
35	12: 8: 0	133	2.217	1516.00	125.0	1320.00	99.90
36	12:11: 0	136	2.267	1521.00	125.0	1325.00	100.02
37	12:14: 0	139	2.317	1525.00	125.0	1329.00	80.02
38	12:17: 0	142	2.367	1528.00	125.0	1332.00	60.01
39	12:20: 0	145	2.417	1531.00	125.0	1335.00	60.01
40	12:23: 0	148	2.467	1533.00	125.0	1337.00	39.96
41	12:26: 0	151	2.517	1535.00	125.0	1339.00	40.01
42	12:29: 0	154	2.567	1537.00	125.0	1341.00	40.01
43	12:32: 0	157	2.617	1539.00	125.0	1343.00	40.01
44	12:35: 0	160	2.667	1541.00	125.0	1345.00	40.01
45	12:38: 0	163	2.717	1543.00	125.0	1347.00	39.96
46	12:41: 0	166	2.767	1545.00	125.0	1349.00	40.01
47	12:44: 0	169	2.817	1547.00	125.0	1351.00	40.01
48	12:47: 0	172	2.867	1548.00	125.0	1352.00	20.00
49	12:50: 0	175	2.917	1549.00	125.0	1353.00	20.00

2606 DST #3

★

TKT # 9426

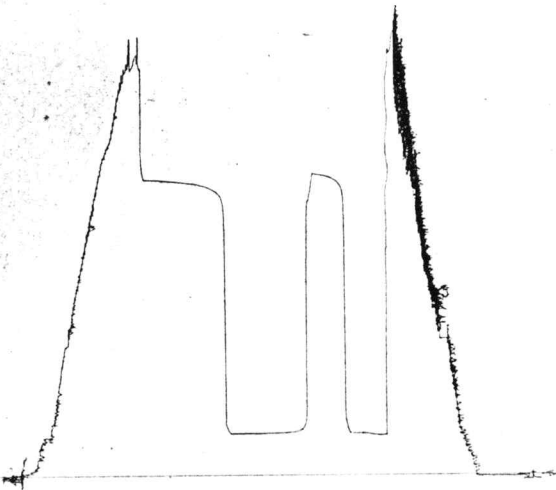
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13267 DST#3

TKT # 9426

O





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 9427

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1839 KB Formation Massey Eff. Pay _____ Ft.

District PRATT Date 2-4-86 Customer Order No. _____
COMPANY NAME F G Holl

ADDRESS 6427 EAST Kellogg Wichita Kansas 67207

LEASE AND WELL NO. 1-7 Cook COUNTY Barber STATE Kansas Sec. 7 Twp. 30S Rge. 12W

Mail Invoice To Same / copy to: FGHoll PO Box 158 No. Copies Requested leg
Co. Name Same Address #1-7 Cook Barber KS. 67219

Mail Charts To Same Address ATTN: Art Maffick No. Copies Requested leg

Formation Test No. 4 Interval Tested From 4272 ft. to 4310 ft. Total Depth 4310 ft.

Packer Depth 4267 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4272 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4289 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4292 ft. Recorder Number 13267 Cap. 4050

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

Drilling Contractor Sterling Drilling #4 Drill Collar Length 425 I. D. 2 1/4 in.

Mud Type Keypac Viscosity 60 Weight Pipe Length _____ I. D. _____ in.

Weight 9.7 Water Loss 12.0 cc. Drill Pipe Length 3827 I. D. 3.8 in.

Chlorides 6200 P.P.M. Test Tool Length 20 ft. Tool Size 5/8 OD in.

Jars: Make NO Serial Number _____ Anchor Length 38 ft. Size 5/8 OD in.

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

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 OD in.

Blow: Strong blow on initial flow period

Strong blow on final flow no gas to surface

Recovered _____ ft. of _____

Recovered 1700 ft. of gas in pipe

Recovered _____ ft. of _____

Recovered 90 ft. of slightly oil cut mud 200 oil

Recovered _____ ft. of _____

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

Time On Location 9:00 A.M. Time Pick Up Tool 10:30 A.M. Time Off Location 5:30 A.M.

Time Set Packer(s) 11:55 A.M. Time Started Off Bottom 2:55 A.M. Maximum Temperature 128° F

Initial Hydrostatic Pressure _____ (A) 2344 P.S.I.

Initial Flow Period _____ Minutes 30 (B) 104 P.S.I. to (C) 104 P.S.I.

Initial Closed In Period _____ Minutes 30 (D) 156 P.S.I.

Final Flow Period _____ Minutes 60 (E) 104 P.S.I. to (F) 104 P.S.I.

Final Closed In Period _____ Minutes 60 (G) 124 P.S.I.

Final Hydrostatic Pressure _____ (H) 2292 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 W Bryce Birdman
Signature of Customer or his authorized representative

Western Representative Red Hunt Thank you

2076

FIELD INVOICE

Open Hole Test 595
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint 65
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance 600
Telecopier \$
TOTAL 1195

SUBSURFACE PRESSURE SURVEY

DATE	: 2-4-86	TICKET	: 9427
CUSTOMER	: F.G. HOLL	LEASE	: COOK
WELL	: 1-7	TEST:	4
ELEVATION	: 1839	GEOLOGIST	: BIDLEMAN
SECTION	: 7	FORMATION	: MASSEY
RANGE	: 12W	TOWNSHIP	: 30S
GAUGE SN#	: 2606	STATE	: KANSAS
		CLOCK	: 12
	COUNTY : BARBER		
	RANGE : 4150		

INTERVAL FROM	: 4272	TO	: 4310	TOTAL DEPTH	: 4310
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 4267	SIZE	: 6 5/8		
PACKER DEPTH	: 4272	SIZE	: 6 5/8		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: STERLING DRLG		
MUD TYPE	: DRISPAC	VISCOSITY	: 60
WEIGHT	: 9.7	WATER LOSS (CC)	: 12.0
CHLORIDES (PPM)	: 6200		
JARS-MAKE	: NO	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 425	FT	I.D. inch	: 2.25
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00
DRILL PIPE LENGTH	: 3827	FT	I.D. inch	: 3.80
TEST TOOL LENGTH	: 20	FT	TOOL SIZE	: 5.50
ANCHOR LENGTH	: 38	FT	ANCHOR SIZE	: 5.50
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST
 BLOW COMMENT #2 : (NO GAS TO SURFACE).
 BLOW COMMENT #3 :
 BLOW COMMENT #4 :

RECOVERED	: 90	FT	OF: SL OIL CUT MUD (2%OIL).	0.44 Barrels
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
RECOVERED	: 0	FT	OF: 0.00 Barrels	
Total Barrels =	0.4	Total Production =	7.5 Bpd	

REMARK 1 : RECOVERED 1700 FEET OF GAS ABOVE FLUID.
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	: 11:55 PM	TIME STARTED OFF BOTTOM	: 2:55 AM
WELL TEMPERATURE	: 128		
INITIAL HYDROSTATIC PRESSURE		(A)	2324
INITIAL FLOW PERIOD	MIN: 25	(B)	99
INITIAL CLOSED IN PERIOD	MIN: 27	(D)	170
FINAL FLOW PERIOD	MIN: 60	(E)	96
FINAL CLOSED IN PERIOD	MIN: 57	(G)	119
FINAL HYDROSTATIC PRESSURE		(H)	2324
		PSI TO (C)	: 99
		PSI TO (F)	: 96

Pressure Transient Report

DATA FILE.....

COMPANY.....F.G. HOLL

DATE OF TEST.....2-4-86

FIELD NAME.....COOK

WELL NAME.....1-7

LOCATION.....BARBER-KANSAS

JOB NUMBER.....9427

GAUGE NUMBER.....2606

GAUGE DEPTH..... 4310

COMMENTS

RECOVERED 1700 FEET OF GAS ABOVE FLUID.

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./4/86.	11.: 55.: 0.

COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9427
GAUGE # : 2606 DEPTH : 4310
MON/DAY : 2/ 4

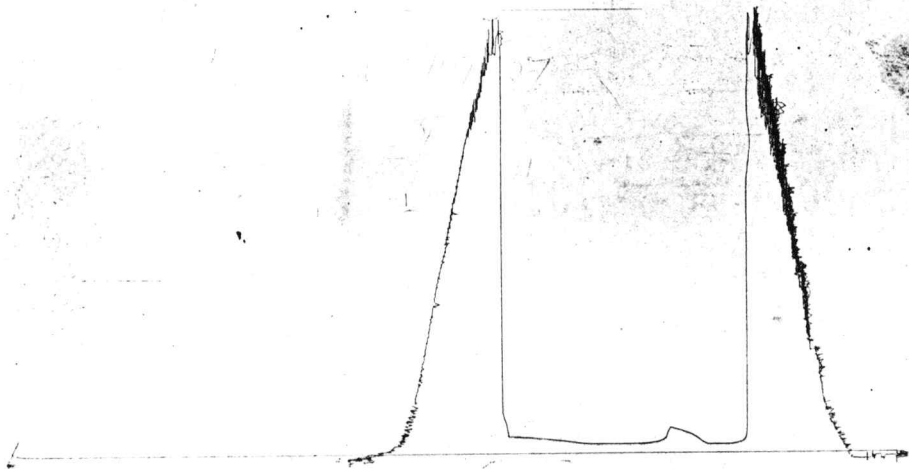
PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	11:55: 0	0 0.000	99.00	128.0	0.00	0.00
2	12: 0: 0	5 0.083	99.00	128.0	0.00	0.00
3	12: 5: 0	10 0.167	99.00	128.0	0.00	0.00
4	12:10: 0	15 0.250	99.00	128.0	0.00	0.00
5	12:15: 0	20 0.333	99.00	128.0	0.00	0.00
6	12:20: 0	25 0.417	99.00	128.0	0.00	0.00
7	12:23: 0	28 0.467	105.00	128.0	6.00	119.88
8	12:26: 0	31 0.517	118.00	128.0	19.00	260.06
9	12:29: 0	34 0.567	129.00	128.0	30.00	220.05
10	12:32: 0	37 0.617	140.00	128.0	41.00	220.05
11	12:35: 0	40 0.667	150.00	128.0	51.00	200.05
12	12:38: 0	43 0.717	160.00	128.0	61.00	199.80
13	12:41: 0	46 0.767	164.00	128.0	65.00	80.02
14	12:44: 0	49 0.817	168.00	128.0	69.00	80.02
15	12:47: 0	52 0.867	170.00	128.0	71.00	40.01
16	12:48: 0	53 0.883	96.00	128.0	3.00	-4441.08
17	12:52: 0	57 0.950	96.00	128.0	3.00	0.00
18	12:57: 0	62 1.033	96.00	128.0	3.00	0.00
19	13: 2: 0	67 1.117	96.00	128.0	3.00	0.00
20	13: 7: 0	72 1.200	96.00	128.0	3.00	0.00
21	13:12: 0	77 1.283	96.00	128.0	3.00	0.00
22	13:17: 0	82 1.367	96.00	128.0	3.00	0.00
23	13:22: 0	87 1.450	96.00	128.0	3.00	0.00
24	13:27: 0	92 1.533	96.00	128.0	3.00	0.00
25	13:32: 0	97 1.617	96.00	128.0	3.00	0.00
26	13:37: 0	102 1.700	96.00	128.0	3.00	0.00
27	13:42: 0	107 1.783	96.00	128.0	3.00	0.00
28	13:47: 0	112 1.867	96.00	128.0	3.00	0.00
29	13:50: 0	115 1.917	97.00	128.0	2.00	20.00
30	13:53: 0	118 1.967	97.00	128.0	2.00	0.00
31	13:56: 0	121 2.017	98.00	128.0	1.00	20.00
32	13:59: 0	124 2.067	98.00	128.0	1.00	0.00
33	14: 2: 0	127 2.117	99.00	128.0	0.00	20.00
34	14: 5: 0	130 2.167	99.00	128.0	0.00	0.00
35	14: 8: 0	133 2.217	100.00	128.0	1.00	19.98
36	14:11: 0	136 2.267	101.00	128.0	2.00	20.00
37	14:14: 0	139 2.317	102.00	128.0	3.00	20.00
38	14:17: 0	142 2.367	103.00	128.0	4.00	20.00
39	14:20: 0	145 2.417	105.00	128.0	6.00	40.01
40	14:23: 0	148 2.467	107.00	128.0	8.00	39.96
41	14:26: 0	151 2.517	109.00	128.0	10.00	40.01
42	14:29: 0	154 2.567	111.00	128.0	12.00	40.01
43	14:32: 0	157 2.617	113.00	128.0	14.00	40.01
44	14:35: 0	160 2.667	115.00	128.0	16.00	40.01
45	14:38: 0	163 2.717	117.00	128.0	18.00	39.96
46	14:41: 0	166 2.767	118.00	128.0	19.00	20.00
47	14:44: 0	169 2.817	119.00	128.0	20.00	20.00

13267 DS+4

IR #9427

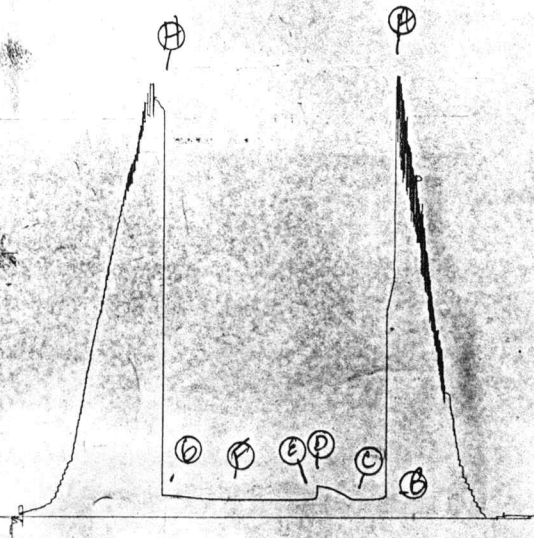
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2606 DST #4

SKT #9427

I





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 9428

P. O. BOX 1599 PHONE (316) 262-5861

Elevation 1839 KB Formation MISS Eff. Pay Ft.

WICHITA, KANSAS 67201

District

PRATT

Date

2-5-86

Customer Order No.

COMPANY NAME

F G Hall

ADDRESS 6427 East Kellogg Wichita 67207

LEASE AND WELL NO. 1-7 Cook COUNTY Barber STATE KANSAS Sec. 7 Twp. 30S Rge. 12W

Mail Invoice To Same/Aspy to Belle No. Copies Requested Reg

Co. Name

Address

Mail Charts To Same #1-7 Cook No. Copies Requested Reg

Address

Formation Test No. 5 Interval Tested From 4308 ft. to 4350 ft. Total Depth 4350 ft.

Packer Depth 4303 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4308 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4330 ft.

Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4333 ft.

Recorder Number 13267 Cap. 4050

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor Stealing Rig 4

Drill Collar Length 425 I. D. 2 1/4 in.

Mud Type Despike Viscosity 52

Weight Pipe Length I. D. in.

Weight 9.6 Water Loss 11.2 cc.

Drill Pipe Length 3861 I. D. 3.8 in.

Chlorides 5,000 P.P.M.

Test Tool Length 22 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number

Anchor Length 42 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 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow depleting to a good blow on initial
Strong blow depleting to a fair blow on final

Recovered ft. of

Recovered 20 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

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

Time On Location 11:00 A.M. Time Pick Up Tool 12:30 P.M. Time Off Location 6:30 A.M.

Time Set Packer(s) 1:30 P.M. Time Started Off Bottom 4:30 P.M. Maximum Temperature 128°F

Initial Hydrostatic Pressure (A) 2292 P.S.I.

Initial Flow Period Minutes 30 (B) 31 P.S.I. to (C) 31 P.S.I.

Initial Closed In Period Minutes 30 (D) 83 P.S.I.

Final Flow Period Minutes 60 (E) 31 P.S.I. to (F) 31 P.S.I.

Final Closed In Period Minutes 60 (G) 104 P.S.I.

Final Hydrostatic Pressure (H) 2240 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

W. Bryan Bidleman
Signature of Customer or his authorized representative

Western Representative

Ed Jett - Thank you
2076

FIELD INVOICE

Open Hole Test \$55
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$65
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$60
Telecopier \$
TOTAL \$

SUBSURFACE PRESSURE SURVEY

DATE	:	2-5-86	TICKET	:	9428	
CUSTOMER	:	F.G. HOLL	LEASE	:	COOK	
WELL	:	1-7	TEST:	:	5	
ELEVATION	:	1839	GEOLOGIST	:	BIDLEMAN	
SECTION	:	7	FORMATION	:	MISSISSIPPI	
RANGE	:	12W	TOWNSHIP	:	30S	
GAUGE SN#	:	2606	STATE	:	KANSAS	
		COUNTY :	BARBER	CLOCK	:	12
		RANGE :	4150			

INTERVAL FROM	:	4308	TO	:	4350	TOTAL DEPTH	:	4350
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4303	SIZE	:	6 5/8			
PACKER DEPTH	:	4308	SIZE	:	6 5/8			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	STERLING DRLG			
MUD TYPE	:	DRISPAC	VISCOSITY	:	52
WEIGHT	:	9.6	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	5000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	425	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3861	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	42	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 FH

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW DEPLEATING TO A
 BLOW COMMENT #2 : GOOD BLOW. FINAL FLOW PERIOD STRONG BLOW
 BLOW COMMENT #3 : DEPLEATING TO A FAIR BLOW.
 BLOW COMMENT #4 :

RECOVERED	:	20	FT	OF: MUD.	:	0.10 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
Total Barrels =	:	0.1	Total Production =	:	1.6 Bpd	

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	1:30 PM	TIME STARTED OFF BOTTOM	:	4:30 PM
WELL TEMPERATURE	:	128			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2286
INITIAL FLOW PERIOD	MIN:	30	(B)	:	31
INITIAL CLOSED IN PERIOD	MIN:	27	(D)	:	80
FINAL FLOW PERIOD	MIN:	60	(E)	:	25
FINAL CLOSED IN PERIOD	MIN:	54	(G)	:	109
FINAL HYDROSTATIC PRESSURE			(H)	:	2240
			PSI TO (C)	:	31
			PSI TO (F)	:	25

Pressure Transient Report

DATA FILE.....

COMPANY.....F.G. HOLL

DATE OF TEST.....2-5-86

FIELD NAME.....COOK

WELL NAME.....1-7

LOCATION.....BARBER-KANSAS

JOB NUMBER.....9428

GAUGE NUMBER.....2606

GAUGE DEPTH..... 4350

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./5/86.	1.: 30.: 0.

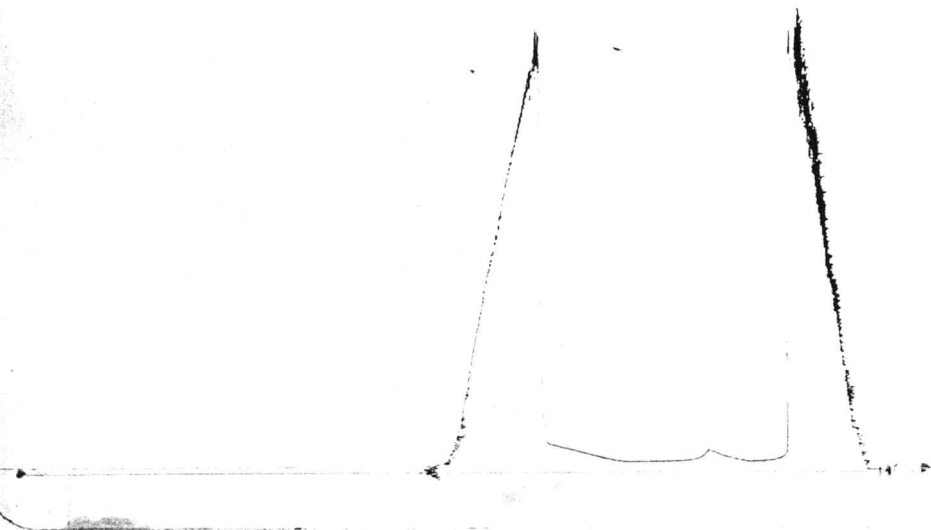
COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9428
GAUGE # : 2606 DEPTH : 4350
MON/DAY : 2/ 5

PAGE 1

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	1:30: 0	0 0.000	31.00	128.0	0.00	20.00
2	1:35: 0	5 0.083	31.00	128.0	0.00	0.00
3	1:40: 0	10 0.167	31.00	128.0	0.00	0.00
4	1:45: 0	15 0.250	31.00	128.0	0.00	0.00
5	1:50: 0	20 0.333	31.00	128.0	0.00	0.00
6	1:55: 0	25 0.417	31.00	128.0	0.00	0.00
7	2: 0: 0	30 0.500	31.00	128.0	0.00	0.00
8	2: 3: 0	33 0.550	31.00	128.0	0.00	0.00
9	2: 6: 0	36 0.600	32.00	128.0	1.00	20.00
10	2: 9: 0	39 0.650	38.00	128.0	7.00	119.88
11	2:12: 0	42 0.700	44.00	128.0	13.00	120.03
12	2:15: 0	45 0.750	52.00	128.0	21.00	160.04
13	2:18: 0	48 0.800	60.00	128.0	29.00	160.04
14	2:21: 0	51 0.850	66.00	128.0	35.00	120.03
15	2:24: 0	54 0.900	73.00	128.0	42.00	139.86
16	2:27: 0	57 0.950	80.00	128.0	49.00	140.03
17	2:28: 0	58 0.967	25.00	128.0	6.00	-3300.81
18	2:32: 0	62 1.033	25.00	128.0	6.00	0.00
19	2:37: 0	67 1.117	25.00	128.0	6.00	0.00
20	2:42: 0	72 1.200	25.00	128.0	6.00	0.00
21	2:47: 0	77 1.283	25.00	128.0	6.00	0.00
22	2:52: 0	82 1.367	25.00	128.0	6.00	0.00
23	2:57: 0	87 1.450	25.00	128.0	6.00	0.00
24	3: 2: 0	92 1.533	25.00	128.0	6.00	0.00
25	3: 7: 0	97 1.617	25.00	128.0	6.00	0.00
26	3:12: 0	102 1.700	25.00	128.0	6.00	0.00
27	3:17: 0	107 1.783	25.00	128.0	6.00	0.00
28	3:22: 0	112 1.867	25.00	128.0	6.00	0.00
29	3:27: 0	117 1.950	25.00	128.0	6.00	0.00
30	3:30: 0	120 2.000	25.00	128.0	6.00	0.00
31	3:33: 0	123 2.050	26.00	128.0	5.00	20.00
32	3:36: 0	126 2.100	27.00	128.0	4.00	20.00
33	3:39: 0	129 2.150	32.00	128.0	1.00	99.90
34	3:42: 0	132 2.200	35.00	128.0	4.00	60.01
35	3:45: 0	135 2.250	39.00	128.0	8.00	80.02
36	3:48: 0	138 2.300	44.00	128.0	13.00	100.02
37	3:51: 0	141 2.350	50.00	128.0	19.00	120.03
38	3:54: 0	144 2.400	58.00	128.0	27.00	159.84
39	3:57: 0	147 2.450	64.00	128.0	33.00	120.03
40	4: 0: 0	150 2.500	70.00	128.0	39.00	120.03
41	4: 3: 0	153 2.550	76.00	128.0	45.00	120.03
42	4: 6: 0	156 2.600	82.00	128.0	51.00	120.03
43	4: 9: 0	159 2.650	88.00	128.0	57.00	119.88
44	4:12: 0	162 2.700	94.00	128.0	63.00	120.03
45	4:15: 0	165 2.750	102.00	128.0	71.00	160.04
46	4:18: 0	168 2.800	106.00	128.0	75.00	80.02
47	4:21: 0	171 2.850	109.00	128.0	78.00	60.01

13267 DST#5

JKT # 9428
0





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 9429 *OK*

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation *1839 LB* Formation *Viola* Eff. Pay _____ Ft.

District *PEAT* Date *2-6-86* Customer Order No. _____

COMPANY NAME *H 140 f G Hall*

ADDRESS *6427 East Kellogg* *Wichita Kansas 67207*

LEASE AND WELL NO. *1-7- Cook* COUNTY *Barber* STATE *Kansas* Sec. *7* Twp. *30S Rge 12W*

Mail Invoice To *Same for #1-7 Cook* No. Copies Requested *Reg*

Co. Name _____ Address _____

Mail Charts To *Same Copy to Belpre* No. Copies Requested *Reg*

Address _____

Formation Test No. *6* Interval Tested From *4458* ft. to *4505* ft. Total Depth *4505* ft.

Packer Depth *4453* ft. Size *6 7/8* in. Packer Depth _____ ft. Size _____ in.

Packer Depth *4458* ft. Size *6 7/8* in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) *4467* ft. Recorder Number *2606* Cap. *4150*

Bottom Recorder Depth (Outside) *4470* ft. Recorder Number *13267* Cap. *4050*

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

Drilling Contractor *Sterling* *Ag 5* Drill Collar Length *425* I. D. *2 1/4* in.

Mud Type *Oil base* Viscosity *5-7* Weight Pipe Length _____ I. D. _____ in.

Weight *7.6* Water Loss *11.2* cc. Drill Pipe Length *4007 4012* I. D. *3.8* in.

Chlorides *6,000* P.P.M. Test Tool Length *22* ft. Tool Size *5 1/2 OD* in.

Jars: Make *NO* Serial Number _____ Anchor Length *47* 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 FH* in.

Blow: *Strong blow on initial flow*

Strong blow on final flow - gas to surface 3 minutes - See flow chart

Recovered _____ ft. of _____

Recovered *64* ft. of *gas and mud*

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

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

Time On Location *10:00* *A.M.* Time Pick Up Tool *11:00* *A.M.* Time Off Location _____ *A.M.*

Time Set Packer(s) *12:10* *P.M.* Time Started Off Bottom *3:10* *A.M.* Maximum Temperature *132 °F*

Initial Hydrostatic Pressure _____ (A) *2554* P.S.I.

Initial Flow Period _____ Minutes *30* (B) *52* P.S.I. to (C) *52* P.S.I.

Initial Closed In Period _____ Minutes *30* (D) *1173* P.S.I.

Final Flow Period _____ Minutes *60* (E) *83* P.S.I. to (F) *83* P.S.I.

Final Closed In Period _____ Minutes *60* (G) *1402* P.S.I.

Final Hydrostatic Pressure _____ (H) *2449* 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 *W. Bruce Biddleman*
Signature of Customer or his authorized representative

Western Representative *Red Smith* *Thank you*

2076

FIELD INVOICE

Open Hole Test *1595*
Misrun \$
Straddle Test \$
Jars \$
Selective Zone *165*
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance *60*
Telecopier \$
TOTAL \$

SUBSURFACE PRESSURE SURVEY

DATE	:	2-6-86	TICKET	:	9429	
CUSTOMER	:	F.G. HOLL	LEASE	:	COOK	
WELL	:	1-7	TEST:	:	6	
ELEVATION	:	1839	GEOLOGIST	:	BIDLEMAN	
SECTION	:	7	FORMATION	:	VIOLA	
RANGE	:	12W	TOWNSHIP	:	30S	
GAUGE SN#	:	2606	STATE	:	KANSAS	
		COUNTY :	BARBER	CLOCK	:	12
		RANGE :	4150			

INTERVAL FROM	:	4458	TO	:	4505	TOTAL DEPTH	:	4505
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4453	SIZE	:	6 5/8			
PACKER DEPTH	:	4458	SIZE	:	6 5/8			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	STERLING DRLG			
MUD TYPE	:	DRISPAC	VISCOSITY	:	57
WEIGHT	:	9.6	WATER LOSS (CC)	:	11.2
CHLORIDES (PPM)	:	6000			
JARS-MAKE	:	NO	SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	425	FT	I.D. inch	:	2.25
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4011	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	22	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	47	FT	ANCHOR SIZE	:	5.50
SURFACE CHOKE SIZE	:	.75	IN	BOTTOM CHOKE SIZE	:	.75
MAIN HOLE SIZE	:	7.875	IN	TOOL JOINT SIZE	:	4.5 FH

BLOW COMMENT #1 : STRONG BLOW THROUGHOUT TEST. GAS TO SURFACE IN
 BLOW COMMENT #2 : 3 MINUTES ON THE INITIAL FLOW PERIOD. SEE
 BLOW COMMENT #3 : ATTACHED SHEET FOR GAS MEASUREMENTS.
 BLOW COMMENT #4 :

RECOVERED	:	64	FT	OF: GAS CUT MUD.	:	0.31 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
RECOVERED	:	0	FT	OF:	:	0.00 Barrels
Total Barrels =	:	0.3	Total Production =	:	5.0 Bpd	

REMARK 1 :
 REMARK 2 :
 REMARK 3 :
 REMARK 4 :

SET PACKER(S)	:	12:10 PM	TIME STARTED OFF BOTTOM	:	3:10 PM
WELL TEMPERATURE	:	132			
INITIAL HYDROSTATIC PRESSURE			(A)	:	2527
INITIAL FLOW PERIOD	MIN:	30	(B)	:	52
INITIAL CLOSED IN PERIOD	MIN:	30	(D)	:	1155
FINAL FLOW PERIOD	MIN:	60	(E)	:	60
FINAL CLOSED IN PERIOD	MIN:	57	(G)	:	1404
FINAL HYDROSTATIC PRESSURE			(H)	:	2414
			PSI TO (C)	:	52
			PSI TO (F)	:	60

GAS FLOW REPORT

Date : 2-6-86
Customer : F.G. HOLL

Ticket # : 9429
Lease : COOK

Well : 1-7 Test : 6

Geologist : BIDLEMAN

Elevation (KB) : 1839 Formation : VIOLA

Section : 7 Township : 30S

Range : 12W County : BARBER State : KANSAS

Gauge SN # : 2606 Range : 4150 Clock : 12

TIME GAUGE (MIN)	TESTER TYPE	ORFICE SIZE	PRESSURE (PSI)	FLOW DESCRIPTION
---------------------	-------------	----------------	-------------------	------------------

PRE FLOW

SECOND FLOW

10	MERLA	1/4	14" WTR	6330 CFPD
20			20	7510
30			24	8220
40			26	8560
50			26	8560
60			26	8560

Gas Bottle SN # :
Date Bottle Filled :
Date to be Invoiced :

Pressure Transient Report

DATA FILE.....

COMPANY.....F.G. HOLL

DATE OF TEST.....2-6-86

FIELD NAME.....COOK

WELL NAME.....1-7

LOCATION.....BARBER-KANSAS

JOB NUMBER.....9429

GAUGE NUMBER.....2606

GAUGE DEPTH.....4505

COMMENTS

START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./6/86.	12.: 10.: 0.

COMPANY : F.G. HOLL FIELD : COOK
WELL : 1-7 JOB # : 9429
GAUGE # : 2606 DEPTH : 4505
MON/DAY : 2/ 6

PAGE 1

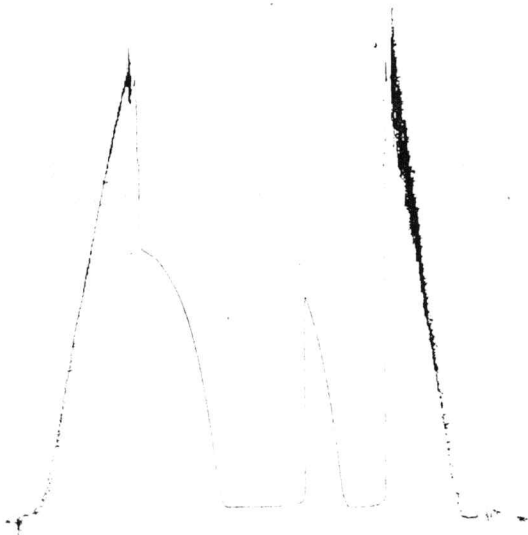
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	12:10: 0	0 0.000	52.00	132.0	0.00	320.08
2	12:15: 0	5 0.083	52.00	132.0	0.00	0.00
3	12:20: 0	10 0.167	52.00	132.0	0.00	0.00
4	12:25: 0	15 0.250	52.00	132.0	0.00	0.00
5	12:30: 0	20 0.333	52.00	132.0	0.00	0.00
6	12:35: 0	25 0.417	52.00	132.0	0.00	0.00
7	12:40: 0	30 0.500	52.00	132.0	0.00	0.00
8	12:43: 0	33 0.550	233.00	132.0	181.00	3620.88
9	12:46: 0	36 0.600	370.00	132.0	318.00	2740.67
10	12:49: 0	39 0.650	494.00	132.0	442.00	2480.61
11	12:52: 0	42 0.700	630.00	132.0	578.00	2720.66
12	12:55: 0	45 0.750	742.00	132.0	690.00	2237.81
13	12:58: 0	48 0.800	852.00	132.0	800.00	2200.54
14	13: 1: 0	51 0.850	948.00	132.0	896.00	1920.47
15	13: 4: 0	54 0.900	1023.00	132.0	971.00	1500.37
16	13: 7: 0	57 0.950	1097.00	132.0	1045.00	1480.36
17	13:10: 0	60 1.000	1155.00	132.0	1103.00	1158.87
18	13:11: 0	61 1.017	60.00	132.0	8.00	-65716.05
19	13:15: 0	65 1.083	60.00	132.0	8.00	0.00
20	13:20: 0	70 1.167	60.00	132.0	8.00	0.00
21	13:25: 0	75 1.250	60.00	132.0	8.00	0.00
22	13:30: 0	80 1.333	60.00	132.0	8.00	0.00
23	13:35: 0	85 1.417	60.00	132.0	8.00	0.00
24	13:40: 0	90 1.500	60.00	132.0	8.00	0.00
25	13:45: 0	95 1.583	60.00	132.0	8.00	0.00
26	13:50: 0	100 1.667	60.00	132.0	8.00	0.00
27	13:55: 0	105 1.750	60.00	132.0	8.00	0.00
28	14: 0: 0	110 1.833	60.00	132.0	8.00	0.00
29	14: 5: 0	115 1.917	60.00	132.0	8.00	0.00
30	14:10: 0	120 2.000	60.00	132.0	8.00	0.00
31	14:13: 0	123 2.050	239.00	132.0	187.00	3580.87
32	14:16: 0	126 2.100	396.00	132.0	344.00	3140.77
33	14:19: 0	129 2.150	535.00	132.0	483.00	2780.68
34	14:22: 0	132 2.200	659.00	132.0	607.00	2480.61
35	14:25: 0	135 2.250	775.00	132.0	723.00	2317.74
36	14:28: 0	138 2.300	879.00	132.0	827.00	2080.51
37	14:31: 0	141 2.350	963.00	132.0	911.00	1680.41
38	14:34: 0	144 2.400	1034.00	132.0	982.00	1420.35
39	14:37: 0	147 2.450	1104.00	132.0	1052.00	1400.34
40	14:40: 0	150 2.500	1155.00	132.0	1103.00	1019.00
41	14:43: 0	153 2.550	1199.00	132.0	1147.00	880.21
42	14:46: 0	156 2.600	1242.00	132.0	1190.00	860.21
43	14:49: 0	159 2.650	1275.00	132.0	1223.00	660.16
44	14:52: 0	162 2.700	1300.00	132.0	1248.00	500.12
45	14:55: 0	165 2.750	1327.00	132.0	1275.00	539.47
46	14:58: 0	168 2.800	1353.00	132.0	1301.00	520.13
47	15: 1: 0	171 2.850	1373.00	132.0	1321.00	400.10
48	15: 4: 0	174 2.900	1388.00	132.0	1336.00	300.07
49	15: 7: 0	177 2.950	1404.00	132.0	1352.00	320.08

1326

DST#6

Wt-H 9429

0



266 DST#6

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Jkt # 9429
I

