



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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 15543

Elevation 1875 GL
1880 KB Formation LANSING J & K Eff. Pay — Ft.

District GT. Bend Date 1-11-90 Customer Order No. —

COMPANY NAME H-30 Drilling, Inc.

ADDRESS 251 N. WATER #10 WICHITA KS 67202

LEASE AND WELL NO. HEARN #1-16 COUNTY STAFFORD STATE KO Sec 16 Twp 25 Rge 12

Mail Invoice To HEARN SAME send invoices separately always? No. Copies Requested Reg
Co. Name Address

Mail Charts To #1-16 SAME attn: Michelle No. Copies Requested Reg
Address

Formation Test No. 1 Interval Tested From 3778 ft. to 3838 ft. Total Depth 3838 ft.

Packer Depth 3773 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3778 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3781 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3784 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor H-30 rig #7 Drill Collar Length — I. D. — in.

Mud Type CHEMICAL Viscosity 42 Weight Pipe Length — I. D. — in.

Weight 9.3 Water Loss 10.4 cc. Drill Pipe Length 3758 I. D. 3.8 in.

Chlorides 6500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 60 ft. Size 5 1/2 in.

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

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

Blow: IF - WEAK Blow Throughout 1/2" to 1 1/2" Blow

FF - WEAK Blow Throughout 1 1/2" Blow

Recovered 60 ft. of GAS in Pipe

Recovered 30 ft. of slightly oil cut mud 1% oil 99% mud

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Chlorides — P.P.M. Sample Jars used 1 Remarks: 30

Time On Location 8:30 A.M. Time Pick Up Tool 10:00 A.M. Time Off Location 4:30 A.M.

Time Set Packer(s) 11:40 A.M. Time Started Off Bottom 2:40 A.M. Maximum Temperature 110°

Initial Hydrostatic Pressure (A) 1848 P.S.I.

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

Initial Closed In Period Minutes 45 (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 45 (G) 52 P.S.I.

Final Hydrostatic Pressure (H) 1827 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 Ray Schwager Thank you
1925

FIELD INVOICE

Open Hole Test 400
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 400

WESTERN TESTING CO., INC.

Pressure Data

Date 1-11-90 Test Ticket No. 15542

Recorder No. 10270 Capacity 4150 Location _____ Ft. _____

Block No. _____ Elevation _____ Well Temperature 110 °F

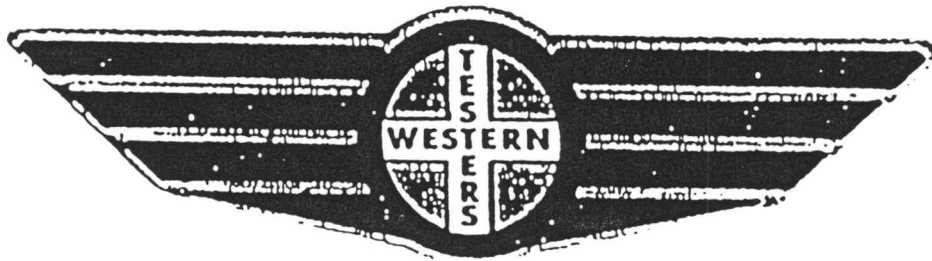
Point _____ Pressure _____ Time Given 11:40 P Time Computed _____

A Initial Hydrostatic Mod <u>1870</u> P.S.I.	Open Tool	<u>30</u> Mins <u>40</u> Mins.
B First Initial Flow Pressure <u>34</u> P.S.I.	First Flow Pressure	<u>45</u> Mins <u>48</u> Mins.
C First Final Flow Pressure <u>34</u> P.S.I.	Initial Closed-In Pressure	<u>60</u> Mins <u>60</u> Mins.
D Initial Closed-In Pressure <u>37</u> P.S.I.	Second Flow Pressure	<u>45</u> Mins <u>48</u> Mins.
E Second Initial Flow Pressure <u>37</u> P.S.I.	Final Closed-In Pressure	
F Second Final Flow Pressure <u>37</u> P.S.I.		
G Final Closed-In Pressure <u>62</u> P.S.I.		
H Final Hydrostatic Mod <u>1842</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>34</u>	0	<u>34</u>	0	<u>37</u>	0	<u>37</u>
P 2 5		3	<u>34</u>	5		3	<u>37</u>
P 3 10		6	<u>34</u>	10		6	<u>38</u>
P 4 15		9	<u>35</u>	15		9	<u>40</u>
P 5 20		12	<u>37</u>	20		12	<u>41</u>
P 6 25		15	<u>41</u>	25		15	<u>42</u>
P 7 30	<u>34</u>	18	<u>43</u>	30		18	<u>44</u>
P 8 35		21	<u>47</u>	35		21	<u>45</u>
P 9 40		24	<u>52</u>	40		24	<u>46</u>
P 10 45		27	<u>55</u>	45		27	<u>48</u>
P 11 50		30	<u>59</u>	50		30	<u>50</u>
P 12 55		33	<u>65</u>	55		33	<u>52</u>
P 13 60		36	<u>70</u>	60	<u>37</u>	36	<u>54</u>
P 14 65		39	<u>75</u>	65		39	<u>56</u>
P 15 70		42	<u>81</u>	70		42	<u>59</u>
P 16 75		45	<u>87</u>	75		45	<u>62</u>
P 17 80		48	<u>92</u>	80		48	
P 18 85		51		85		51	
P 19 90		54		90		54	
P 20 95		57		95		57	
100		60		100		60	

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY H-30 DRILLING, INC.

LEASE & WELL NO.

HEARN #1-16

SEC. 16

TWP 25S RGE. 12W

TEST 1

DATE 1/11/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	1/11/90	TICKET	:	15543
CUSTOMER	:	H-30 DRILLING INC.	LEASE	:	HEARN
WELL	:	#1-16	TEST:	:	1
ELEVATION	:	1880 KB	GEOLOGIST	:	BURKE
SECTION	:	16	FORMATION	:	LANSING J&K
RANGE	:	12W	TOWNSHIP	:	25S
Gauge SN#	:	10270	STATE	:	KANSAS
	:	COUNTY :	CLOCK	:	12
	:	STAFFORD		:	
	:	RANGE :		:	
	:	4150		:	

INTERVAL FROM	:	3778	TO	:	3838	TOTAL DEPTH	:	3838
DEPTH OF SELECTIVE ZONE	:			:			:	
PACKER DEPTH	:	3773	SIZE	:	6.63		:	
PACKER DEPTH	:	3778	SIZE	:	6.63		:	
PACKER DEPTH	:		SIZE	:			:	
PACKER DEPTH	:		SIZE	:			:	

DRILLING CON.	:	H-30 DRILLING RIG		:	
MUD TYPE	:	CHEMICAL	VISCOSITY	:	42
WEIGHT	:	9.3	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	6500		:	
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	NO	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3758	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	60	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 XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD-WEAK BLOW THROUGHOUT
BLOW COMMENT #2	:	1/2" TO 1 1/2" BLOW
BLOW COMMENT #3	:	FINAL FLOW PERIOD-WEAK BLOW THROUGHOUT
BLOW COMMENT #4	:	1 1/2" BLOW

RECOVERED : 30 FT OF: SLIGHTLY OIL CUT MUD 1% OIL 99% MUD

Total Barrels Fluid = 0.42
Total Fluid Prod Rate = 6.73 BFPD
Indicated Oil Rate = 0.07 BOPD
Indicated Wtr Rate = 0.07 BWPD
Corrected Oil Rate = 1.80 BOPD
Corrected Wtr Rate = 1.80 BWPD

REMARK 1 :
REMARK 2 :
REMARK 3 : 60 FT GAS ABOVE FLUID
REMARK 4 :

SET PACKER(S) :	11:40 PM	TIME STARTED OFF BOTTOM :	2:40 AM
WELL TEMPERATURE :	110		
INITIAL HYDROSTATIC PRESSURE		(A)	1870
INITIAL FLOW PERIOD MIN:	30	(B)	34 PSI TO (C) : 34
INITIAL CLOSED IN PERIOD MIN:	48	(D)	93
FINAL FLOW PERIOD MIN:	60	(E)	37 PSI TO (F) : 37
FINAL CLOSED IN PERIOD MIN:	45	(G)	62
FINAL HYDROSTATIC PRESSURE		(H)	1842

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : STAFFORD-KANSAS
FIELD : HEARN
WELL : #1-16
DATE : 1/11/90
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 11/ 1/90

FIELD : HEARN
JOB # : 15543
DEPTH : 3838
TEST :

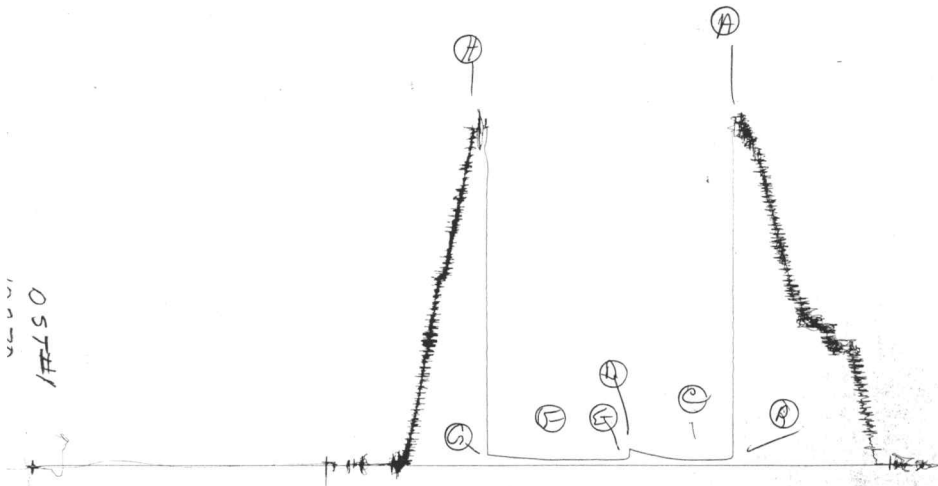
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	11:40: 0	0.000	34.000	110.00	0.000
3	11:44:59	0.083	34.000	110.00	0.000
4	11:50: 0	0.167	34.000	110.00	0.000
5	11:55: 0	0.250	34.000	110.00	0.000
6	11:59:59	0.333	34.000	110.00	0.000
7	12: 5: 0	0.417	34.000	110.00	0.000
8	12:10: 0	0.500	34.000	110.00	0.000
INITIAL SHUT-IN PERIOD					
9	12:13: 0	0.550	34.000	110.00	0.000
10	12:16: 0	0.600	34.000	110.00	0.000
11	12:19: 0	0.650	35.000	110.00	1.000
12	12:22: 0	0.700	37.000	110.00	2.000
13	12:25: 0	0.750	41.000	110.00	4.000
14	12:28: 0	0.800	43.000	110.00	2.000
15	12:31: 0	0.850	47.000	110.00	4.000
16	12:34: 0	0.900	52.000	110.00	5.000
17	12:37: 0	0.950	55.000	110.00	3.000
18	12:40: 0	1.000	59.000	110.00	4.000
19	12:43: 0	1.050	65.000	110.00	6.000
20	12:46: 0	1.100	70.000	110.00	5.000
21	12:49: 0	1.150	75.000	110.00	5.000
22	12:52: 0	1.200	81.000	110.00	6.000
23	12:55: 0	1.250	87.000	110.00	6.000
24	12:58: 0	1.300	93.000	110.00	6.000
FINAL FLOW PERIOD					
25	12:59: 0	1.317	37.000	110.00	-56.000
26	13: 2:59	1.383	37.000	110.00	0.000
27	13: 8: 0	1.467	37.000	110.00	0.000
28	13:13: 0	1.550	37.000	110.00	0.000
29	13:17:59	1.633	37.000	110.00	0.000
30	13:23: 0	1.717	37.000	110.00	0.000
31	13:28: 0	1.800	37.000	110.00	0.000
32	13:32:59	1.883	37.000	110.00	0.000
33	13:38: 0	1.967	37.000	110.00	0.000
34	13:43: 0	2.050	37.000	110.00	0.000
35	13:47:59	2.133	37.000	110.00	0.000
36	13:53: 0	2.217	37.000	110.00	0.000
37	13:58: 0	2.300	37.000	110.00	0.000
FINAL SHUT-IN PERIOD					
38	14: 1: 0	2.350	37.000	110.00	0.000
39	14: 3:59	2.400	38.000	110.00	1.000
40	14: 7: 0	2.450	40.000	110.00	2.000
41	14:10: 0	2.500	41.000	110.00	1.000
42	14:13: 0	2.550	43.000	110.00	2.000
43	14:16: 0	2.600	44.000	110.00	1.000
44	14:18:59	2.650	45.000	110.00	1.000
45	14:22: 0	2.700	46.000	110.00	1.000
46	14:25: 0	2.750	48.000	110.00	2.000
47	14:28: 0	2.800	50.000	110.00	2.000
48	14:31: 0	2.850	52.000	110.00	2.000

COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 11/ 1/90

FIELD : HEARN
JOB # : 15543
DEPTH : 3838
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	14:34: 0	2.900	54.000	110.00	2.000
50	14:36:59	2.950	56.000	110.00	2.000
51	14:40: 0	3.000	59.000	110.00	3.000
52	14:43: 0	3.050	62.000	110.00	3.000

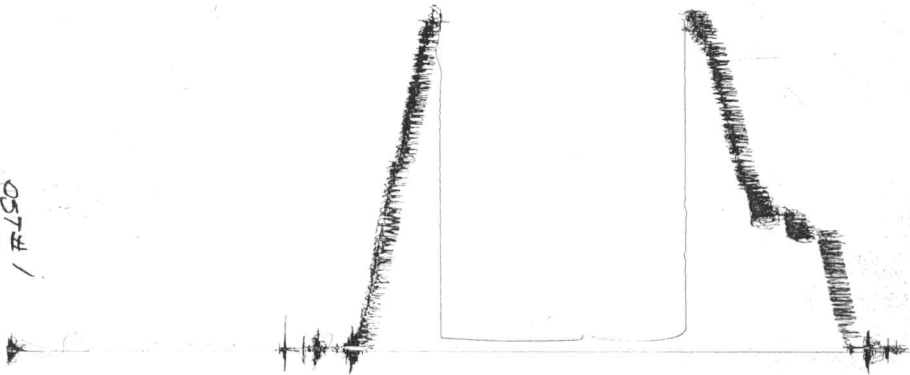
WESTERN TESTING CO. INC.



KT. 15542

0

OST# /
0150





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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 15544

1875 GL
Elevation 1880 KB Formation Cong + Miss Eff. Pay — Ft.

District GT Bend Date 1-12-90 Customer Order No. —

COMPANY NAME H000 H-30 DRILLING, INC.

ADDRESS 251 N. WATER #10 WICHITA, KS 67202

LEASE AND WELL NO. HEARN #1-16 COUNTY STAFFORD STATE KS Sec. 16 Twp 25^s Rge 12^w

Mail Invoice To Co. Name SAME Address same No. Copies Requested Reg

Mail Charts To HEARN #1-16 SAME Address same No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 3909 ft. to 3994 ft. Total Depth 3994 ft.

Packer Depth 3904 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3909 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3984 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3989 ft. Recorder Number 13268 Cap. 4225

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

Drilling Contractor H-30 rig #7 Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 51 Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss 10.4 cc. Drill Pipe Length 3889 I. D. 3.8 in.

Chlorides 7,000 P.P.M. Test Tool Length 20 ft. Tool Size 5/8 in.

Jars: Make — Serial Number — Anchor Length 85 ft. Size 5/8 in.

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

Main Hole Size 7 7/8 in. Tool Joint Size 4 3/4 in.

Blow: IF-STRONG BLOW GAS TO SURFACE IN 13 MIN

FF- GAS TO SURFACE

Recovered 240 ft. of Muddy WATER 40% mud 60% WATER

Recovered 900 ft. of WATER

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Chlorides 35,000 P.P.M. Sample Jars used 2 Remarks: 9 @ 2.88 W

Time On Location 6:40 A.M. Time Pick Up Tool 7:25 A.M. Time Off Location — A.M.

Time Set Packer(s) 9:00 P.M. Time Started Off Bottom 12:15 P.M. Maximum Temperature 119°

Initial Hydrostatic Pressure (A) 1931 P.S.I.

Initial Flow Period Minutes 30 (B) 135 P.S.I. to (C) 218 P.S.I.

Initial Closed In Period Minutes 45 (D) 1122 P.S.I.

Final Flow Period Minutes 60 (E) 281 P.S.I. to (F) 489 P.S.I.

Final Closed In Period Minutes 60 (G) 1112 P.S.I.

Final Hydrostatic Pressure (H) 1910 P.S.I.

COMPANY TERMS

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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] Signature of Customer or his authorized representative

Western Representative Ray Schwager Thank you

FIELD INVOICE

Open Hole Test \$ 400
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$



GAS FLOW REPORT

No 4677

Date 1-12-90 Ticket _____ Company H-30 DRLg
 Well Name and No. Heap #1-16 Dst No. 2 Interval Tested 3909-3994
 County STAFFORD State Ko Sec. 16 Twp. 25 Rg. 12

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 <u>945 To Surface in 13 min</u>					
<u>15</u>	<u>3</u>	<u>1/4"</u>			<u>2920 CFPD</u>
<u>25</u>	<u>16</u>	<u>1/4"</u>			<u>6,720 "</u>

SECOND FLOW

<u>5</u>	<u>1</u>	<u>1/4"</u>			<u>1,680 CFPD</u>
<u>15</u>	<u>7</u>	<u>1/4"</u>			<u>4,450 "</u>
<u>25</u>	<u>6.5</u>	<u>1/4"</u>			<u>4,300 "</u>
<u>35</u>	<u>5</u>	<u>1/4"</u>			<u>3,710 "</u>
<u>45</u>	<u>4</u>	<u>1/4"</u>			<u>3,370 "</u>
<u>55</u>	<u>4</u>	<u>1/4"</u>			<u>3,370 "</u>

GAS BOTTLE

Serial No. 818 Date Bottle Filled 1-12-90 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 11½% 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.

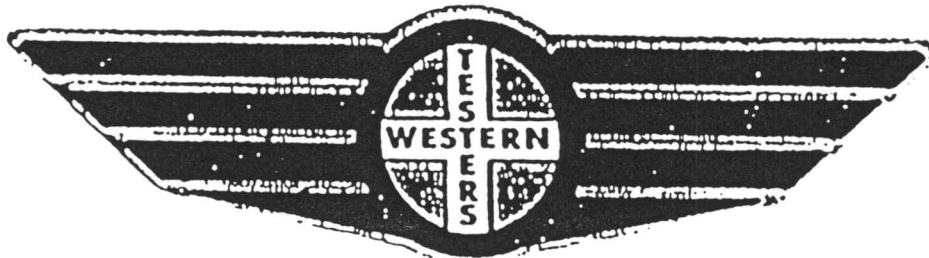
Pressure Data

Date 1-12-90 Test Ticket No. 15544
 Recorder No. 10270 Capacity 4150 Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature 119 °F
 Point _____ Pressure _____ Time Given 9:00 Time Computed _____
 A Initial Hydrostatic Mod. 1567 P.S.I. Open Tool _____ M _____
 B First Initial Flow Pressure 148 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 235 P.S.I. Initial Closed-In Pressure 45 Mins. 45 Mins.
 D Initial Closed-In Pressure 1128 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 291 P.S.I. Final Closed-In Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 505 P.S.I.
 G Final Closed-In Pressure 1119 P.S.I.
 H Final Hydrostatic Mod. 1952 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	148	0	235	0	291	0	505
P 2 5	148	3	649	5	291	3	944
P 3 10	152	6	959	10	297	6	1055
P 4 15	164	9	1039	15	323	9	1051
P 5 20	191	12	1077	20	349	12	1070
P 6 25	216	15	1094	25	373	15	1080
P 7 30	235	18	1105	30	396	18	1087
P 8 35		21	1112	35	417	21	1093
P 9 40		24	1115	40	435	24	1098
P 10 45		27	1119	45	455	27	1101
P 11 50		30	1122	50	472	30	1105
P 12 55		33	1124	55	491	33	1107
P 13 60		36	1126	60	505	36	1109
P 14 65		39	1128	65		39	1111
P 15 70		42	5	70		42	1113
P 16 75		45	1128	75		45	1114
P 17 80		48		80		48	1115
P 18 85		51		85		51	1116
P 19 90		54		90		54	1117
P 20 95		57		95		57	1118
100		60		100		60	1119

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY H-30 DRILLING, INC.

LEASE & WELL NO.

HEARN #1-16

SEC. 16

TWP

25S

RGE.

12W

TEST

2

DATE

1/12/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	1/12/90	TICKET	:	15544
CUSTOMER	:	H-30 DRILLING INC.	LEASE	:	HEARN
WELL	:	#1-16	TEST:	:	2
ELEVATION	:	1880 KB	GEOLOGIST	:	JEFF BURKE
SECTION	:	16	FORMATION	:	CONG & MISS
RANGE	:	12W	COUNTY	:	STAFFORD
GAUGE SN#	:	10270	RANGE	:	4150
			STATE	:	KANSAS
			CLOCK	:	12

INTERVAL FROM	:	3909	TO	:	3994	TOTAL DEPTH	:	3994
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	3904	SIZE	:	6.63			
PACKER DEPTH	:	3909	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	H-30 DRILLING RIG #7			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	51
WEIGHT	:	9.2	WATER LOSS (CC)	:	10.4
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:	GAS	REVERSED OUT ?	:	NO

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	3889	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	85	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 XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD-STRONG BLOW-GAS TO SURFACE IN
BLOW COMMENT #2	:	13 MINUTES.
BLOW COMMENT #3	:	FINAL FLOW PERIOD-GAS TO SURFACE
BLOW COMMENT #4	:	

RECOVERED : 240 FT OF: MUDDY WATER 40% MUD 60% WATER
RECOVERED : 900 FT OF: WATER
RECOVERED : 0 FT OF: CHLORIDES 35000 PPM

Total Barrels Fluid = 15.99
Total Fluid Prod Rate = 255.84 BFPD
Indicated Wtr Rate = 202.63 BWPD

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

SET PACKER(S) :	9:00 PM	TIME STARTED OFF BOTTOM :	12:15 AM
WELL TEMPERATURE :	119		
INITIAL HYDROSTATIC PRESSURE		(A)	1967
INITIAL FLOW PERIOD MIN:	30	(B)	148 PSI TO (C) : 235
INITIAL CLOSED IN PERIOD MIN:	45	(D)	1128
FINAL FLOW PERIOD MIN:	60	(E)	291 PSI TO (F) : 505
FINAL CLOSED IN PERIOD MIN:	60	(G)	1119
FINAL HYDROSTATIC PRESSURE		(H)	1952

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : STAFFORD-KANSAS
FIELD : HEARN
WELL : #1-16
DATE : 1/12/90
GAUGE NO : 10270

OPERATIONAL COMMENTS

COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 12/ 1/90

FIELD : HEARN
JOB # : 15544
DEPTH : 3994
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	9: 0: 0	0.000	148.000	119.00	0.000
3	9: 4:59	0.083	148.000	119.00	0.000
4	9:10: 0	0.167	152.000	119.00	4.000
5	9:15: 0	0.250	164.000	119.00	12.000
6	9:19:59	0.333	191.000	119.00	27.000
7	9:25: 0	0.417	216.000	119.00	25.000
8	9:30: 0	0.500	235.000	119.00	19.000
INITIAL SHUT-IN PERIOD					
9	9:33: 0	0.550	649.000	119.00	414.000
10	9:36: 0	0.600	959.000	119.00	310.000
11	9:39: 0	0.650	1039.000	119.00	80.000
12	9:42: 0	0.700	1077.000	119.00	38.000
13	9:45: 0	0.750	1094.000	119.00	17.000
14	9:48: 0	0.800	1105.000	119.00	11.000
15	9:51: 0	0.850	1112.000	119.00	7.000
16	9:54: 0	0.900	1115.000	119.00	3.000
17	9:57: 0	0.950	1119.000	119.00	4.000
18	10: 0: 0	1.000	1122.000	119.00	3.000
19	10: 2:59	1.050	1124.000	119.00	2.000
20	10: 6: 0	1.100	1126.000	119.00	2.000
21	10: 9: 0	1.150	1128.000	119.00	2.000
22	10:12: 0	1.200	1128.000	119.00	0.000
23	10:15: 0	1.250	1128.000	119.00	0.000
FINAL FLOW PERIOD					
24	10:16: 0	1.267	291.000	119.00	-837.000
25	10:19:59	1.333	291.000	119.00	0.000
26	10:25: 0	1.417	297.000	119.00	6.000
27	10:30: 0	1.500	323.000	119.00	26.000
28	10:34:59	1.583	349.000	119.00	26.000
29	10:40: 0	1.667	373.000	119.00	24.000
30	10:45: 0	1.750	396.000	119.00	23.000
31	10:49:59	1.833	417.000	119.00	21.000
32	10:55: 0	1.917	435.000	119.00	18.000
33	11: 0: 0	2.000	455.000	119.00	20.000
34	11: 4:59	2.083	472.000	119.00	17.000
35	11:10: 0	2.167	491.000	119.00	19.000
36	11:15: 0	2.250	505.000	119.00	14.000
FINAL SHUT-IN PERIOD					
37	11:18: 0	2.300	944.000	119.00	439.000
38	11:21: 0	2.350	1025.000	119.00	81.000
39	11:24: 0	2.400	1051.000	119.00	26.000
40	11:27: 0	2.450	1070.000	119.00	19.000
41	11:30: 0	2.500	1080.000	119.00	10.000
42	11:33: 0	2.550	1087.000	119.00	7.000
43	11:36: 0	2.600	1093.000	119.00	6.000
44	11:39: 0	2.650	1098.000	119.00	5.000
45	11:42: 0	2.700	1101.000	119.00	3.000
46	11:45: 0	2.750	1105.000	119.00	4.000
47	11:48: 0	2.800	1107.000	119.00	2.000
48	11:51: 0	2.850	1109.000	119.00	2.000

COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 12/ 1/90

FIELD : HEARN
JOB # : 15544
DEPTH : 3994
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	11:54: 0	2.900	1111.000	119.00	2.000
50	11:57: 0	2.950	1113.000	119.00	2.000
51	12: 0: 0	3.000	1114.000	119.00	1.000
52	12: 3: 0	3.050	1115.000	119.00	1.000
53	12: 6: 0	3.100	1116.000	119.00	1.000
54	12: 9: 0	3.150	1117.000	119.00	1.000
55	12:12: 0	3.200	1118.000	119.00	1.000
56	12:15: 0	3.250	1119.000	119.00	1.000

WESTERN TESTING CO. INC.

GAS FLOW REPORT

Date : 1/12/90	Ticket # : 15544
Customer : H-30 DRILLING INC.	Lease : HEARN
Well : #1-16 Test : 2	Geologist : BURKE
Elevation (KB) : 1880 Formation : CONG & MISS	
Section : 16 Township : 25S	
Range : 12W County : STAFFORD	State : KANSAS
Gauge SN # : 10270 Range : 4150	Clock : 12

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

15	MERLA	1/4	3"WTR	2920 CFPD
25	MERLA	1/4	16"WTR	6720 CFPD

SECOND FLOW =====

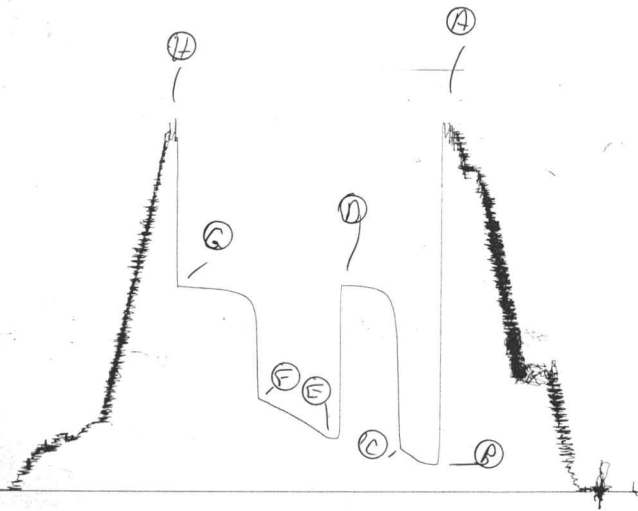
5	MERLA	1/4	1"WTR	1680 CFPD
15	MERLA	1/4	7"WTR	4450 CFPD
25	MERLA	1/4	6.5"WTR	4300 CFPD
35	MERLA	1/4	5"WTR	3710 CFPD
45	MERLA	1/4	4"WTR	3370 CFPD
55	MERLA	1/4	4"WTR	3370 CFPD

Gas Bottle SN #	:	818
Date Bottle Filled	:	1-12-90
Date to be Invoiced	:	2-12-90

KT 15544

I

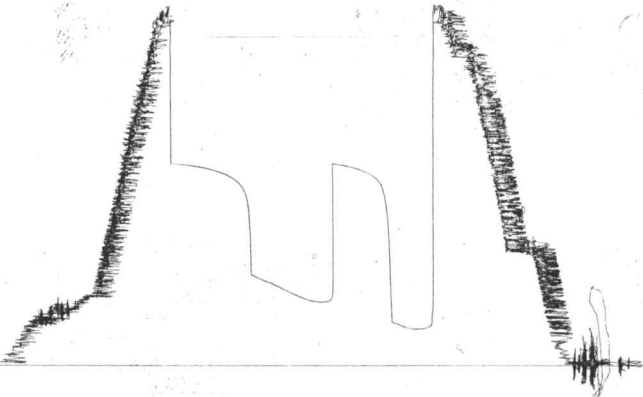
OSTA 21
10070



7KT 15544

0

OSTH 2
12 7/18





WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o 15545

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

Elevation 1875 GL
1880 KB Formation Simpson Eff. Pay — Ft.

COMPANY NAME

ADDRESS

LEASE AND WELL NO. Hearn #1-16 COUNTY Stafford STATE Ks Sec. 16 Twp. 25 Rge. 12

Mail Invoice To

Co. Name

Address

No. Copies Requested Reg

Mail Charts To

No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 4070 ft. to 4121 ft. Total Depth 4121 ft.

Packer Depth 4065 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 4070 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4073 ft.

Recorder Number 10270 Cap. 4130

Bottom Recorder Depth (Outside) 4076 ft.

Recorder Number 13268 Cap. 4225

Below Straddle Recorder Depth — ft.

Recorder Number — Cap. —

Drilling Contractor H-30 rig #7

Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 52

Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss 12.8 cc.

Drill Pipe Length 4050 I. D. 3.8 in.

Chlorides 7000 P.P.M.

Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number —

Anchor Length 31 ft. Size 5 1/2 in.

Did Well Flow? — Reversed Out —

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

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

Blow IF - STRONG Blow in 1 min

FF - STRONG Blow in 1 min

Recovered 2800 ft. of WATER

Recovered 60 ft. of GAS in Pipe

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Recovered — ft. of —

Chlorides 32000 P.P.M. Sample Jars used 2 Remarks: 2800.0

Time On Location 5:10 A.M.

Time Pick Up Tool 5:45 P.M.

Time Off Location — A.M.

Time Set Packer(s) 7:05 P.M.

Time Started Off Bottom 10:20 P.M.

Maximum Temperature 118°

Initial Hydrostatic Pressure — (A) 1923 P.S.I.

Initial Flow Period 30 Minutes (B) 177 P.S.I. to (C) 634 P.S.I.

Initial Closed In Period 45 Minutes (D) 1246 P.S.I.

Final Flow Period 60 Minutes (E) 707 P.S.I. to (F) 1112 P.S.I.

Final Closed In Period 60 Minutes (G) 1246 P.S.I.

Final Hydrostatic Pressure — (H) 1962 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 of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test 400
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL 400

WESTERN TESTING CO., INC.

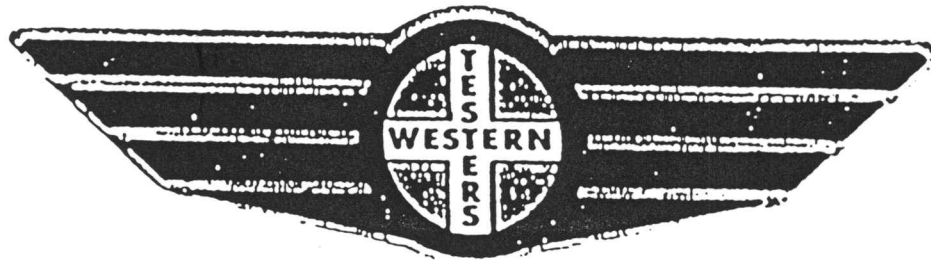
Pressure Data

Date 1-13-90 Test Ticket No. 15245
 Recorder No. 10270 Capacity 4150 Location _____ Ft. _____
 Dock No. _____ Elevation _____ Well Temperature 118 °F
 Point _____ Pressure _____ Time Given 7:05 Time Computed _____
 A Initial Hydrostatic Mud 2014 P.S.I. Open Tool _____
 B First Initial Flow Pressure 191 P.S.I. First Flow Pressure 50 Mins. 50 Mins.
 C First Final Flow Pressure 648 P.S.I. Initial Closed-In Pressure 45 Mins. 45 Mins.
 D Initial Closed-In Pressure 1250 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 221 P.S.I. Final Closed-In Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 1122 P.S.I.
 G Final Closed-In Pressure 1257 P.S.I.
 H Final Hydrostatic Mud 1990 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 Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>191</u>	0	<u>648</u>	0	<u>221</u>	0	<u>1122</u>
P 2 5	<u>206</u>	3	<u>1110</u>	5	<u>244</u>	3	<u>1214</u>
P 3 10	<u>301</u>	6	<u>1128</u>	10	<u>804</u>	6	<u>1225</u>
P 4 15	<u>389</u>	9	<u>1199</u>	15	<u>857</u>	9	<u>1231</u>
P 5 20	<u>469</u>	12	<u>1210</u>	20	<u>898</u>	12	<u>1237</u>
P 6 25	<u>551</u>	15	<u>1219</u>	25	<u>943</u>	15	<u>1241</u>
P 7 30	<u>648</u>	18	<u>1226</u>	30	<u>980</u>	18	<u>1244</u>
P 8 35		21	<u>1230</u>	35	<u>1015</u>	21	<u>1247</u>
P 9 40		24	<u>1234</u>	40	<u>1045</u>	24	<u>1248</u>
P 10 45		27	<u>1238</u>	45	<u>1068</u>	27	<u>1249</u>
P 11 50		30	<u>1242</u>	50	<u>1092</u>	30	<u>1249</u>
P 12 55		33	<u>1245</u>	55	<u>1111</u>	33	<u>1250</u>
P 13 60		36	<u>1247</u>	60	<u>1122</u>	36	<u>1250</u>
P 14 65		39	<u>1248</u>	65		39	<u>1251</u>
P 15 70		42	<u>1249</u>	70		42	<u>1251</u>
P 16 75		45	<u>1250</u>	75		45	<u>1252</u>
P 17 80		48		80		48	<u>1252</u>
P 18 85		51		85		51	<u>1252</u>
P 19 90		54		90		54	<u>1253</u>
P 20 95		57		95		57	<u>1255</u>
100		60		100		60	<u>1257</u>

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

COMPANY H-30 DRILLING, INC. LEASE & WELL NO. HEARN #1-16 SEC. 16 TWP 25S RGE 12W TEST 3 DATE 1/13/90

WESTERN TESTING CO. INC.
SUBSURFACE PRESSURE SURVEY

DATE	:	1/13/90	TICKET	:	15545
CUSTOMER	:	H-30 DRILLING INC.	LEASE	:	HEARN
WELL	:	#1-16 TEST: 3	GEOLOGIST	:	BURKE
ELEVATION	:	1880 KB	FORMATION	:	SIMPSON
SECTION	:	16	TOWNSHIP	:	25S
RANGE	:	12W	STATE	:	KANSAS
GAUGE SN#	:	10270	CLOCK	:	12
		COUNTY :	STAFFORD		
		RANGE :	4150		

INTERVAL FROM	:	4070	TO	:	4121	TOTAL DEPTH	:	4121
DEPTH OF SELECTIVE ZONE	:							
PACKER DEPTH	:	4065	SIZE	:	6.63			
PACKER DEPTH	:	4070	SIZE	:	6.63			
PACKER DEPTH	:		SIZE	:				
PACKER DEPTH	:		SIZE	:				

DRILLING CON.	:	H-30 DRILLING RIG #7			
MUD TYPE	:	CHEMICAL	VISCOSITY	:	52
WEIGHT	:	9.2	WATER LOSS (CC)	:	12.8
CHLORIDES (PPM)	:	7000			
JARS-MAKE	:		SERIAL NUMBER	:	
DID WELL FLOW ?	:		REVERSED OUT ?	:	

DRILL COLLAR LENGTH	:	0	FT	I.D. inch	:	0.00
WEIGHT PIPE LENGTH	:	0	FT	I.D. inch	:	0.00
DRILL PIPE LENGTH	:	4050	FT	I.D. inch	:	3.80
TEST TOOL LENGTH	:	20	FT	TOOL SIZE	:	5.50
ANCHOR LENGTH	:	51	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 XH

BLOW COMMENT #1	:	INITIAL FLOW PERIOD-STRONG BLOW IN 1 MINUTE
BLOW COMMENT #2	:	FINAL FLOW PERIOD-STRONG BLOW IN 1 MINUTE
BLOW COMMENT #3	:	
BLOW COMMENT #4	:	

RECOVERED : 2800 FT OF: WATER
RECOVERED : 0 FT OF: CHLORIDES 32000 PPM

Total Barrels Fluid = 39.27
Total Fluid Prod Rate = 628.38 BFPD
Indicated Wtr Rate = 628.38 BWPD

REMARK 1 :
REMARK 2 : 60 FT GAS ABOVE FLUID
REMARK 3 :
REMARK 4 :

SET PACKER(S) :	7:05 PM	TIME STARTED OFF BOTTOM :	10:20 PM
WELL TEMPERATURE :	118		
INITIAL HYDROSTATIC PRESSURE		(A)	2016
INITIAL FLOW PERIOD MIN:	30	(B)	191 PSI TO (C) : 648
INITIAL CLOSED IN PERIOD MIN:	45	(D)	1250
FINAL FLOW PERIOD MIN:	60	(E)	721 PSI TO (F) : 1122
FINAL CLOSED IN PERIOD MIN:	60	(G)	1257
FINAL HYDROSTATIC PRESSURE		(H)	1990

WESTERN TESTING CO. INC.
WICHITA-KANSAS

Pressure Transient Report

COMPANY : H-30 DRILLING INC.
RIG : STAFFORD-KANSAS
FIELD : HEARN
WELL : #1-16
DATE : 1/13/90
GAUGE NO : 10270

OPERATIONAL COMMENTS

60 FT GAS ABOVE FLUID

COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 13/ 1/90

FIELD : HEARN
JOB # : 15545
DEPTH : 4121
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
INITIAL FLOW PERIOD					
2	7: 5: 0	0.000	191.000	118.00	0.000
3	7: 9:59	0.083	206.000	118.00	15.000
4	7:15: 0	0.167	301.000	118.00	95.000
5	7:20: 0	0.250	389.000	118.00	88.000
6	7:24:59	0.333	469.000	118.00	80.000
7	7:30: 0	0.417	551.000	118.00	82.000
8	7:35: 0	0.500	648.000	118.00	97.000
INITIAL SHUT-IN PERIOD					
9	7:38: 0	0.550	1110.000	118.00	462.000
10	7:41: 0	0.600	1178.000	118.00	68.000
11	7:44: 0	0.650	1199.000	118.00	21.000
12	7:47: 0	0.700	1210.000	118.00	11.000
13	7:50: 0	0.750	1219.000	118.00	9.000
14	7:53: 0	0.800	1226.000	118.00	7.000
15	7:56: 0	0.850	1230.000	118.00	4.000
16	7:59: 0	0.900	1234.000	118.00	4.000
17	8: 2: 0	0.950	1238.000	118.00	4.000
18	8: 5: 0	1.000	1243.000	118.00	5.000
19	8: 8: 0	1.050	1245.000	118.00	2.000
20	8:11: 0	1.100	1247.000	118.00	2.000
21	8:14: 0	1.150	1248.000	118.00	1.000
22	8:17: 0	1.200	1249.000	118.00	1.000
23	8:20: 0	1.250	1250.000	118.00	1.000
FINAL FLOW PERIOD					
24	8:21: 0	1.267	721.000	118.00	-529.000
25	8:24:59	1.333	744.000	118.00	23.000
26	8:30: 0	1.417	804.000	118.00	60.000
27	8:35: 0	1.500	857.000	118.00	53.000
28	8:39:59	1.583	898.000	118.00	41.000
29	8:45: 0	1.667	943.000	118.00	45.000
30	8:50: 0	1.750	980.000	118.00	37.000
31	8:54:59	1.833	1015.000	118.00	35.000
32	9: 0: 0	1.917	1045.000	118.00	30.000
33	9: 5: 0	2.000	1068.000	118.00	23.000
34	9: 9:59	2.083	1092.000	118.00	24.000
35	9:15: 0	2.167	1111.000	118.00	19.000
36	9:20: 0	2.250	1122.000	118.00	11.000
FINAL SHUT-IN PERIOD					
37	9:23: 0	2.300	1214.000	118.00	92.000
38	9:26: 0	2.350	1225.000	118.00	11.000
39	9:29: 0	2.400	1231.000	118.00	6.000
40	9:32: 0	2.450	1237.000	118.00	6.000
41	9:35: 0	2.500	1241.000	118.00	4.000
42	9:38: 0	2.550	1244.000	118.00	3.000
43	9:41: 0	2.600	1247.000	118.00	3.000
44	9:44: 0	2.650	1248.000	118.00	1.000
45	9:47: 0	2.700	1249.000	118.00	1.000
46	9:50: 0	2.750	1249.000	118.00	0.000
47	9:53: 0	2.800	1250.000	118.00	1.000
48	9:56: 0	2.850	1250.000	118.00	0.000

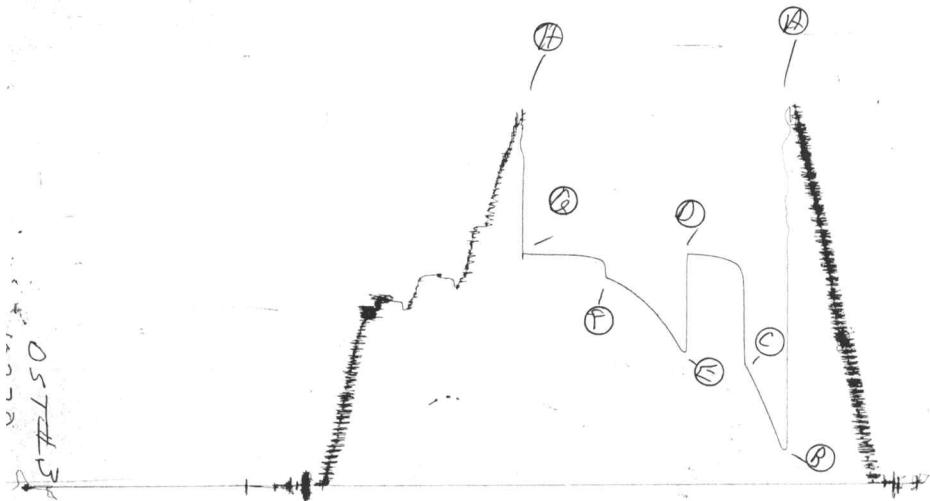
COMPANY : H-30 DRILLING INC.
WELL : #1-16
GAUGE # : 10270
DATE : 13/ 1/90

FIELD : HEARN
JOB # : 15545
DEPTH : 4121
TEST :

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	9:59: 0	2.900	1251.000	118.00	1.000
50	10: 2: 0	2.950	1251.000	118.00	0.000
51	10: 5: 0	3.000	1252.000	118.00	1.000
52	10: 8: 0	3.050	1252.000	118.00	0.000
53	10:11: 0	3.100	1252.000	118.00	0.000
54	10:14: 0	3.150	1253.000	118.00	1.000
55	10:17: 0	3.200	1255.000	118.00	2.000
56	10:20: 0	3.250	1257.000	118.00	2.000

WESTERN TESTING CO. INC.

K.T. 15545
L



OST 4.3

JK 15545

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OST#3
12248

