

ORIGINAL

ORIGINAL

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15- 135-23,437 -0000

County Ness  
C-W/2 SE NE Sec. 11 Twp. 20 Rge. 23     East  
    X West

Operator: License # 30080

3300 Ft. North from Southeast Corner of Section

Name: Honey Oil Co., Inc.

990 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 401 East Douglas, Suite 505

Lease Name Foss Well # 1

City/State/Zip Wichita, KS 67202

Field Name Riverside NW

Producing Formation \_\_\_\_\_

Elevation: Ground 2216 KB 2224

Total Depth 4420 PBDT \_\_\_\_\_

Purchaser: \_\_\_\_\_

Operator Contact Person: Stan Bell

Phone ( 316 ) 265-7300

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Tim Priest

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SMD  Temp.  Abandoned  
 Gas  Inj  Delayed Completion  
 Dry  Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

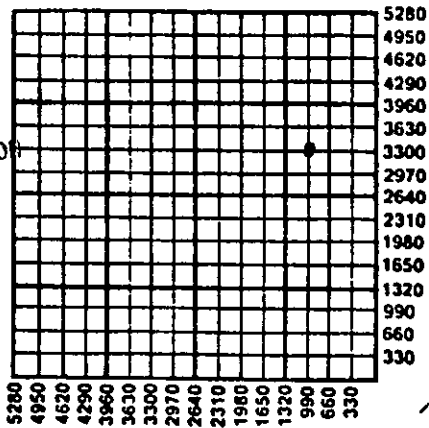
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

03-05-90 03-15-90  
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 447 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**INSTRUCTIONS:** This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]

Title M.D. Date \_\_\_\_\_

Subscribed and sworn to before me this 25 day of June, 1990

Notary Public [Signature]

Date Commission Expires 11-19-90

K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
Wireline Log Received  
Drillers Timelog Received

Distribution  
 KCC  SMD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)

X P I

**SIDE TWO**

Operator Name Honey Oil Co., Inc. Lease Name Foos Well # 1  
 Sec. 11 Twp. 20 Rge. 23  East County Ness  
 West

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Formation Description</b>  <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample																																	
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
Electric Log Run (Submit Copy.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																		
		<table border="1"> <thead> <tr> <th>Name</th> <th>Top</th> <th>Bottom</th> </tr> </thead> <tbody> <tr><td>Anhydrite</td><td>1442 (+782)</td><td></td></tr> <tr><td>B/Anhydrite</td><td>1480 (+744)</td><td></td></tr> <tr><td>Heebner</td><td>3672 (-1448)</td><td></td></tr> <tr><td>Lansing</td><td>3721 (-1497)</td><td></td></tr> <tr><td>B/KC</td><td>4047 (-1823)</td><td></td></tr> <tr><td>Pawnee</td><td>4164 (-1940)</td><td></td></tr> <tr><td>Ft Scott</td><td>4237 (-2013)</td><td></td></tr> <tr><td>Cherokee</td><td>4264 (-2040)</td><td></td></tr> <tr><td>Mississippi</td><td>4335 (-2111)</td><td></td></tr> <tr><td>Osage</td><td>4352 (-2128)</td><td></td></tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	1442 (+782)		B/Anhydrite	1480 (+744)		Heebner	3672 (-1448)		Lansing	3721 (-1497)		B/KC	4047 (-1823)		Pawnee	4164 (-1940)		Ft Scott	4237 (-2013)		Cherokee	4264 (-2040)		Mississippi	4335 (-2111)		Osage	4352 (-2128)	
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**CASING RECORD**

New  Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	20#	447'	60/40poz	180	2% gel 3%cc
Production	7-7/8"	5 1/2"	14#	4419'	60/40poz	125	2% gel 10% salt

**PERFORATION RECORD**

**Acid, Fracture, Shot, Cement Squeeze Record**  
(Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	Depth
2	4252' - 4258'	1 bbl 10% mud acid 40 barrel saltwater
4	4344' - 4346'	3475'
2	4354' - 4356'	250 gal 7 1/2% mud acid
		3650'
		80 bbl salt water
		4160'
		500 gal 15% MCA double
		4246'
		F.E. 500 gal 15% MCA

**TUBING RECORD**

Size Set At Packer At

Liner Run  Yes  No

Date of First Production NA Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) NA

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

**Disposition of Gas:**

**METHOD OF COMPLETION**

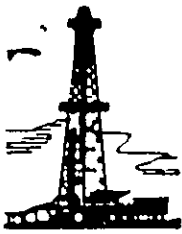
**Production Interval**

Vented  Sold  Used on Lease  
(If vented, submit ACO-18.)

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

184701

9/16/87



Honey Oil Co. Inc.

ORIGINAL

DRILL STEM TESTS

#1 Foos  
SE NE Section 11, Township 20S, Range 23W  
Ness County, Kansas

DST #1  
Fort Scott 45-45-45-45  
Recovery 90' Gas, 30' Oil Cut Mud, 60' Heavy Oil Cut Mud,  
120' Heavy Oil & Gas Cut Mud.  
IF/FF #33-55/89-89  
IS/FS #1002/891

DST #2  
Misrun

DST #3  
On Bottom with Strong Blow off Bottom Bucket in 10 Minutes.

DST #4  
270' Clean Oil, 60' Heavy Oil cut Mud, (40% Oil), 120' Oil &  
Water Cut Mud (20% Water 30% Oil),  
#1257/1257 Bottom Hole Pressure

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 26 1990  
CONSERVATION DIVISION  
Wichita, Kansas



REMITTANCE ADVICE

ORIGINAL

INVOICE DATE
03/14/90

DIRECT BILLING INQUIRIES TO:	TERMS	REMIT TO:
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212

PAGE	INVOICE NO.
1	93004

AUTHORIZED BY
609302

PURCH. ORDER REF. NO.

HONEY OIL CO.  
401 F. DOUGLAS, SUITE 505  
WICHITA, KS 67202

WELL NUMBER : #1A

CUSTOMER NUMBER : 13832000

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
ITONS	14			GREAT BEND	3310
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE	
			03/14/90	LAND-LONG STRING/PRODUC	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100320	1.00	CEMENTING CASING 3001 TO 5000 FT.	879.00		879.00
10100325	14.19	PLUS PER 100 FT. BELOW 3000 FT.	9.80		139.06
10109005	26.00	MILEAGE CHR.G. FROM NEAREST BASE OF	1.10		28.60
10410504	75.00	CLASS "A" CEMENT	5.25	CF	393.75
10415018	50.00	DIAMIX F	2.46	CF	123.00
10420145	2.15	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CW	14.51
10415030	6.25	GILSONITE	33.00	CW	206.25
10415038	10.00	A-5 SALT	7.00	CW	70.00
10424005	80.00	CD-31	3.87	LB	309.60
10424520	18.00	FP-6	2.20	LB	39.60
10425010	300.00	MUD-SWEEP, WITH BJ-TITAN PUMPING EQ	1.45	GL	435.00
10940101	83.20	DRAYAGE, PER TON MILE	0.70		58.24
10880085	125.00	MIXING CUSTOMERS MATERIALS, PER CUR	0.95		118.75
10430520	1.00	5-1/2" TOP RUBBER PLUG	55.00	EA	55.00
10409600	1.00	INSERT	180.00	GL	180.00
10409600	1.00	GUIDE SHOE	119.00	GL	119.00

RECEIVED  
STATE OF KANSAS

JUN 26 1990

CONSERVATION DIVISION  
Wichita, Kansas

ACCOUNT

TAX EXEMPTION STATUS:



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ORIGINAL

REMITTANCE ADVICE

INVOICE DATE
03/14/90

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS: NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: R.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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PAGE	INVOICE NO.
2	33004

AUTHORIZED BY
602307

PURCH. ORDER REF. NO.

MONEY OIL CO.  
401 E. DOUGLAS, SUITE 505  
WICHITA,

KS 67202

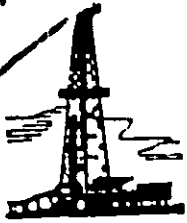
WELL NUMBER : #1A

CUSTOMER NUMBER : 13832000

LEASE NAME AND NUMBER TOPS	STATE 14	COUNTY/PARISH	CITY	DISTRICT NAME GREAT BEND	DISTR. NO. 3310
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB 03/14/90	TYPE OF SERVICE LAND-LONG STRING/PRODU		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10402600	5.00	CENT	45.00	GL	225.00
			SUBTOTAL		3,394.16
			DISCOUNT		673.17
ACCOUNT	RECEIVED 4.250000 STATE TAX STATE CONSERVATION 1.000000 COUNTY TAX JUN 26 1990 CONSERVATION Wichita, Kansas				1736.57 1736.57 73.31 17.37

TAX EXEMPTION STATUS:	PAY THIS AMOUNT	2,306.47
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Honey Oil Co. Inc.

ORIGINAL

DRILL STEM TESTS

#1 Foos?  
SE NE Section 11, Township 20S, Range 23W  
Ness County, Kansas

DST #1

Fort Scott 45-45-45-45  
Recovery 90' Gas, 30' Oil Cut Mud, 60' Heavy Oil Cut Mud,  
120' Heavy Oil & Gas Cut Mud.  
IF/FF #33-55/89-89  
IS/FS #1002/891

DST #2

Misrun

DST #3

On Bottom with Strong Blow off Bottom Bucket in 10 Minutes.

DST #4

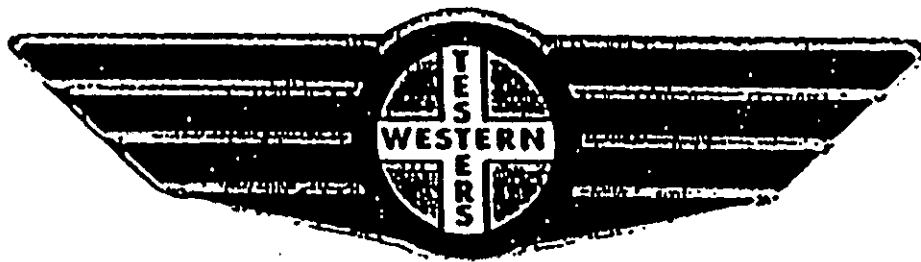
270' Clean Oil, 60' Heavy Oil cut Mud, (40% Oil), 120' Oil &  
Water Cut Mud (20% Water 30% Oil),  
#1257/1257 Bottom Hole Pressure

RECEIVED  
STATE CORPORATION COMMISSION

JUL 26 1990

CONSERVATION DIVISION  
Wichita Kansas

# FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

OCT 29 1990

COMPANY HONEY OIL COMPANY INC. LEASE & WELL NO. FOOS #11 SEC. 11 TWP 20SRGE 23W TEST 4 DATE 3/13/90

*15-135-23, 437-0000*

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 3/13/90  
CUSTOMER : HONEY OIL COMPANY INC.  
WELL : #1 TEST: 4  
ELEVATION : 2216 GL  
SECTION : 11  
RANGE : 23W COUNTY : NESS  
GAUGE SN# : 13629 RANGE : 4425  
TICKET : 15269  
LEASE : FOOS  
GEOLOGIST : PRIEST  
FORMATION : MISSISSIPPI  
TOWNSHIP : 20S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4344 TO : 4362 TOTAL DEPTH : 4362  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4339 SIZE : 6.75  
PACKER DEPTH : 4344 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE DRILLING RIG #4  
MUD TYPE : CHEMICAL VISCOSITY : 42  
WEIGHT : 9.3 WATER LOSS (CC) : 10.8  
CHLORIDES (PPM) : 9500  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 180 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4144 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 18 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-BOTTOM OF BUCKET IN 25 MIN  
BLOW COMMENT #2 : FINAL FLOW PERIOD-STRONG-BOTTOM OF BUCKET IN 25 MIN  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :



RECOVERED : 270 FT OF: CLEAN OIL 39 GRAVITY CORRECTED  
 RECOVERED : 60 FT OF: HEAVY OIL CUT MUD  
 RECOVERED : 0 FT OF: 60% MUD 30% OIL 10% GAS  
 RECOVERED : 120 FT OF: OIL & WATER CUT MUD  
 RECOVERED : 0 FT OF: 60% MUD 10% OIL 10% GAS 20% WATER  
 RECOVERED : 0 FT OF: CHLORIDES 18000 PPM

Total Barrels Fluid = 4.63  
 Total Fluid Prod Rate = 74.13 BFPD  
 Indicated Oil Rate = 49.42 BOPD  
 Indicated Wtr Rate = 4.05 BWPD  
 Corrected Oil Rate = 48.14 BOPD  
 Corrected Wtr Rate = 3.95 BWPD

REMARK 1 : TIGHT HOLE  
 REMARK 2 :  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S) : 9:05 PM

TIME STARTED OFF BOTTOM : 12:05 AM

WELL TEMPERATURE : 119

INITIAL HYDROSTATIC PRESSURE

(A) 2144

INITIAL FLOW PERIOD MIN: 45

(B) 65 PSI TO (C) : 106

INITIAL CLOSED IN PERIOD MIN: 48

(D) 1275

FINAL FLOW PERIOD MIN: 45

(E) 152 PSI TO (F) : 170

FINAL CLOSED IN PERIOD MIN: 48

(G) 1250

FINAL HYDROSTATIC PRESSURE

(H) 2141

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : HONEY OIL COMPANY INC.  
RIG : NESS-KANSAS  
FIELD : FOOS  
WELL : #1  
DATE : 3/13/90  
GAUGE NO : 13629

OPERATIONAL COMMENTS

TIGHT HOLE

COMPANY : HONEY OIL COMPANY INC.  
 WELL : #1  
 GAUGE # : 13629  
 DATE : 13/ 3/90

FIELD : FOOS  
 JOB # : 15269  
 DEPTH : 4362  
 TEST : TIGHT HOLE

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: 5: 0	0.000	65.000	119.00	0.000
3	9: 9:59	0.083	65.000	119.00	0.000
4	9:15: 0	0.167	65.000	119.00	0.000
5	9:20: 0	0.250	69.000	119.00	4.000
6	9:24:59	0.333	77.000	119.00	8.000
7	9:30: 0	0.417	85.000	119.00	8.000
8	9:35: 0	0.500	91.000	119.00	6.000
9	9:39:59	0.583	96.000	119.00	5.000
10	9:45: 0	0.667	104.000	119.00	8.000
11	9:50: 0	0.750	108.000	119.00	2.000
INITIAL SHUT-IN PERIOD					
12	9:53: 0	0.800	396.000	119.00	290.000
13	9:56: 0	0.850	895.000	119.00	499.000
14	9:59: 0	0.900	1039.000	119.00	144.000
15	10: 2: 0	0.950	1110.000	119.00	71.000
16	10: 5: 0	1.000	1144.000	119.00	34.000
17	10: 8: 0	1.050	1172.000	119.00	28.000
18	10:11: 0	1.100	1196.000	119.00	24.000
19	10:14: 0	1.150	1209.000	119.00	13.000
20	10:17: 0	1.200	1220.000	119.00	11.000
21	10:20: 0	1.250	1230.000	119.00	10.000
22	10:23: 0	1.300	1238.000	119.00	8.000
23	10:26: 0	1.350	1247.000	119.00	9.000
24	10:29: 0	1.400	1255.000	119.00	8.000
25	10:32: 0	1.450	1262.000	119.00	7.000
26	10:35: 0	1.500	1268.000	119.00	6.000
27	10:38: 0	1.550	1275.000	119.00	7.000
FINAL FLOW PERIOD					
28	10:39: 0	1.567	152.000	119.00	-1123.000
29	10:42:59	1.633	152.000	119.00	0.000
30	10:48: 0	1.717	152.000	119.00	0.000
31	10:53: 0	1.800	152.000	119.00	0.000
32	10:57:59	1.883	152.000	119.00	0.000
33	11: 3: 0	1.967	154.000	119.00	2.000
34	11: 8: 0	2.050	156.000	119.00	2.000
35	11:12:59	2.133	161.000	119.00	5.000
36	11:18: 0	2.217	167.000	119.00	6.000
37	11:23: 0	2.300	170.000	119.00	3.000
FINAL SHUT-IN PERIOD					
38	11:26: 0	2.350	502.000	119.00	332.000
39	11:28:59	2.400	930.000	119.00	428.000
40	11:32: 0	2.450	1031.000	119.00	101.000
41	11:35: 0	2.500	1086.000	119.00	55.000
42	11:38: 0	2.550	1122.000	119.00	36.000
43	11:41: 0	2.600	1148.000	119.00	26.000
44	11:43:59	2.650	1167.000	119.00	19.000
45	11:47: 0	2.700	1183.000	119.00	16.000
46	11:50: 0	2.750	1197.000	119.00	14.000
47	11:53: 0	2.800	1210.000	119.00	13.000
48	11:56: 0	2.850	1217.000	119.00	7.000

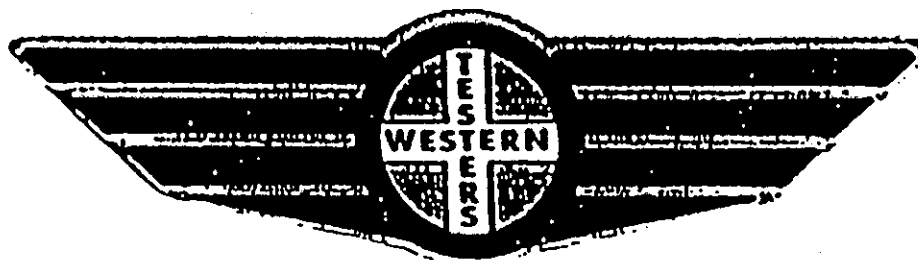
COMPANY : HONEY OIL COMPANY INC.  
WELL : #1  
GAUGE # : 13629  
DATE : 13/ 3/90

FIELD : FOOS  
JOB # : 15269  
DEPTH : 4362  
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	11:59: 0	2.900	1223.000	119.00	6.000
50	12: 1:59	2.950	1232.000	119.00	9.000
51	12: 5: 0	3.000	1237.000	119.00	5.000
52	12: 8: 0	3.050	1243.000	119.00	6.000
53	12:11: 0	3.100	1250.000	119.00	7.000

WESTERN TESTING CO. INC.

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

RECEIVED  
OCT 29 1990

15-135-23,437-0000

COMPANY HONEY OIL COMPANY INC. LEASE & WELL NO. FOOS #11 SEC. 11 TWP 20S RGE 23W TEST 1 DATE 3/11/90

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 3/11/90  
CUSTOMER : HONEY OIL COMPANY INC.  
WELL : #1 TEST: 1  
ELEVATION : 2216 GL  
SECTION : 11  
RANGE : 23W COUNTY : NESS  
GAUGE SN# : 13629 RANGE : 4425  
TICKET : 15266  
LEASE : FOOS  
GEOLOGIST : PRIEST  
FORMATION : FT. SCOTT  
TOWNSHIP : 20S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4228 TO : 4266 TOTAL DEPTH : 4266  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4223 SIZE : 6.75  
PACKER DEPTH : 4228 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE DRILLING RIG #4  
MUD TYPE : CHEMICAL VISCOSITY : 43  
WEIGHT : 9. WATER LOSS (CC) : 12  
CHLORIDES (PPM) : 9500  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 180 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4028 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 XH

BLOW COMMENT #1 : INITIAL FLOW PERIOD-STRONG-BOTTOM OF BUCKET  
BLOW COMMENT #2 : 12 MINUTES  
BLOW COMMENT #3 : FINAL FLOW PERIOD-STRONG-BOTTOM OF BUCKE IN  
BLOW COMMENT #4 : 12 MINUTES

RECOVERED	:	30	FT	OF:	OIL CUT MUD 70% MUD 20% OIL 10% GAS
RECOVERED	:	60	FT	OF:	HEAVY OIL & GAS CUT MUD
RECOVERED	:	0	FT	OF:	20% MUD 30% OIL 50% GAS
RECOVERED	:	120	FT	OF:	HEAVY OIL & GAS CUT MUD
RECOVERED	:	0	FT	OF:	15% MUD 25% OIL 60% GAS

Total Barrels Fluid	=	1.27
Total Fluid Prod Rate	=	20.27 BFPD
Indicated Oil Rate	=	5.21 BOPD
Indicated Wtr Rate	=	2.03 BWPD
Corrected Oil Rate	=	11.59 BOPD
Corrected Wtr Rate	=	4.51 BWPD

REMARK 1 :  
 REMARK 2 : 90 FT GAS ABOVE FLUID  
 REMARK 3 :  
 REMARK 4 :

SET PACKER(S)	:	12:25 AM	TIME STARTED OFF BOTTOM	:	3:25 AM
WELL TEMPERATURE	:	119			
INITIAL HYDROSTATIC PRESSURE			(A)	2084	
INITIAL FLOW PERIOD	MIN:	45	(B)	50	PSI TO (C) : 65
INITIAL CLOSED IN PERIOD	MIN:	45	(D)	1013	
FINAL FLOW PERIOD	MIN:	45	(E)	95	PSI TO (F) : 95
FINAL CLOSED IN PERIOD	MIN:	45	(G)	904	
FINAL HYDROSTATIC PRESSURE			(H)	2048	

WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : HONEY OIL COMPANY INC.  
RIG : NESS-KANSAS  
FIELD : FOOS  
WELL : #1  
DATE : 3/11/90  
GAUGE NO : 13629

OPERATIONAL COMMENTS

90 FT GAS ABOVE FLUID



COMPANY : HONEY OIL COMPANY INC.  
WELL : #1  
GAUGE # : 13629  
DATE : 11/ 3/90

FIELD : FOOS  
JOB # : 15266  
DEPTH : 4266  
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	12:25: 0	0.000	50.000	119.00	0.000
3	12:29:59	0.083	50.000	119.00	0.000
4	12:35: 0	0.167	53.000	119.00	3.000
5	12:40: 0	0.250	53.000	119.00	0.000
6	12:44:59	0.333	54.000	119.00	1.000
7	12:50: 0	0.417	54.000	119.00	0.000
8	12:55: 0	0.500	55.000	119.00	1.000
9	12:59:59	0.583	58.000	119.00	3.000
10	13: 5: 0	0.667	63.000	119.00	5.000
11	13:10: 0	0.750	65.000	119.00	2.000
INITIAL SHUT-IN PERIOD					
12	13:13: 0	0.800	78.000	119.00	13.000
13	13:16: 0	0.850	122.000	119.00	44.000
14	13:19: 0	0.900	179.000	119.00	57.000
15	13:22: 0	0.950	269.000	119.00	90.000
16	13:25: 0	1.000	379.000	119.00	110.000
17	13:28: 0	1.050	472.000	119.00	93.000
18	13:31: 0	1.100	564.000	119.00	92.000
19	13:34: 0	1.150	691.000	119.00	127.000
20	13:37: 0	1.200	800.000	119.00	109.000
21	13:40: 0	1.250	880.000	119.00	80.000
22	13:43: 0	1.300	924.000	119.00	44.000
23	13:46: 0	1.350	962.000	119.00	38.000
24	13:49: 0	1.400	986.000	119.00	24.000
25	13:52: 0	1.450	1002.000	119.00	16.000
26	13:55: 0	1.500	1013.000	119.00	11.000
FINAL FLOW PERIOD					
27	13:56: 0	1.517	95.000	119.00	-918.000
28	13:59:59	1.583	95.000	119.00	0.000
29	14: 5: 0	1.667	95.000	119.00	0.000
30	14:10: 0	1.750	95.000	119.00	0.000
31	14:14:59	1.833	95.000	119.00	0.000
32	14:20: 0	1.917	95.000	119.00	0.000
33	14:25: 0	2.000	95.000	119.00	0.000
34	14:29:59	2.083	95.000	119.00	0.000
35	14:35: 0	2.167	95.000	119.00	0.000
FINAL SHUT-IN PERIOD					
36	14:40: 0	2.250	95.000	119.00	0.000
37	14:43: 0	2.300	114.000	119.00	19.000
38	14:46: 0	2.350	179.000	119.00	65.000
39	14:49: 0	2.400	276.000	119.00	97.000
40	14:52: 0	2.450	385.000	119.00	109.000
41	14:55: 0	2.500	472.000	119.00	87.000
42	14:58: 0	2.550	536.000	119.00	64.000
43	15: 1: 0	2.600	613.000	119.00	77.000
44	15: 4: 0	2.650	691.000	119.00	78.000
45	15: 7: 0	2.700	755.000	119.00	64.000
46	15:10: 0	2.750	796.000	119.00	41.000
47	15:13: 0	2.800	831.000	119.00	35.000
48	15:16: 0	2.850	858.000	119.00	27.000

COMPANY : HONEY OIL COMPANY INC.  
WELL : #1  
GAUGE # : 13629  
DATE : 11/ 3/90

FIELD : FOOS  
JOB # : 15266  
DEPTH : 4266  
TEST :

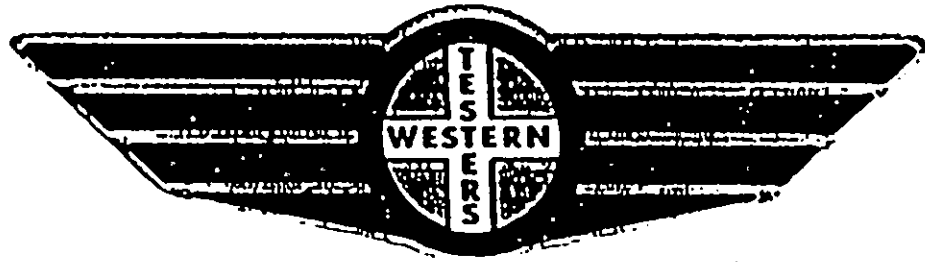
DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	15:19: 0	2.900	877.000	119.00	19.000
50	15:22: 0	2.950	895.000	119.00	18.000
51	15:25: 0	3.000	904.000	119.00	9.000

WESTERN TESTING CO. INC.

# FORMATION TEST REPORT

COMPANY HONEY OIL COMPANY INC. LEASE & WELL NO. FOOS#1 SEC. 11 TWP 20s RGE. 23w TEST 2 DATE 3/12/90

*15-135-23, 437-0000*



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

OCT 29 1990

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 3/12/90 TICKET : 15267  
CUSTOMER : HONEY OIL COMPANY INC. LEASE : FOOS  
WELL : #1 TEST: 2 GEOLOGIST : PRIEST  
ELEVATION : 2216 GL FORMATION : MISSISSIPPI  
SECTION : 11 TOWNSHIP : 20S  
RANGE : 23W COUNTY : NESS STATE : KANSAS  
GAUGE SN# : 13629 RANGE : 4425 CLOCK : 12

INTERVAL FROM : 4308 TO : 4357 TOTAL DEPTH : 4357  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4303 SIZE : 6.75  
PACKER DEPTH : 4308 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE DRILLING RIG #4  
MUD TYPE : CHEMICAL VISCOSITY : 41  
WEIGHT : 9. WATER LOSS (CC) : 12.4  
CHLORIDES (PPM) : 10500  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 240 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4048 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 49 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 : PACKER FAILURE-MISRUN  
BLOW COMMENT #2 :  
BLOW COMMENT #3 :  
BLOW COMMENT #4 :

RECOVERED : 420 FT OF: DRILLING MUD

Total Barrels Fluid = 3.65  
Total Fluid Prod Rate = 0.00 BFPD

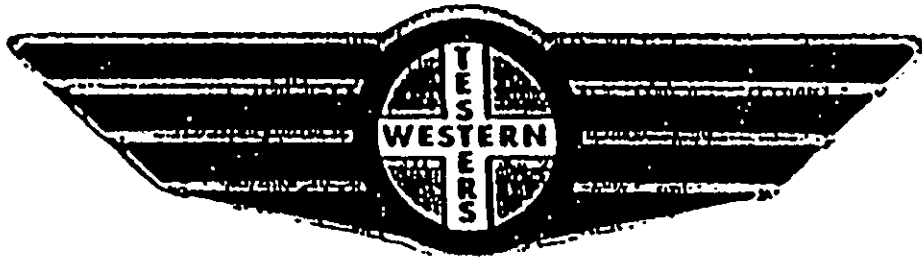
REMARK 1 : TIGHT HOLE  
REMARK 2 :  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) :	8:40 PM	TIME STARTED OFF BOTTOM :	8:55 PM
WELL TEMPERATURE :	0		
INITIAL HYDROSTATIC PRESSURE		(A)	2159
INITIAL FLOW PERIOD MIN:	0	(B)	0 PSI TO (C) : 0
INITIAL CLOSED IN PERIOD MIN:	0	(D)	0
FINAL FLOW PERIOD MIN:	0	(E)	0 PSI TO (F) : 0
FINAL CLOSED IN PERIOD MIN:	0	(G)	0
FINAL HYDROSTATIC PRESSURE		(H)	2126

# FORMATION TEST REPORT

COMPANY HONEY OIL COMPANY INC. LEASE & WELL NO. FOOS #11 SEC. 11 TWP 20SRCE 23N TEST 3 DATE 10/13/90

*15-135-23, 437-0000*



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone (316) 262-5861

OCT 29 1990

WESTERN TESTING CO. INC.  
SUBSURFACE PRESSURE SURVEY

DATE : 3/13/90  
CUSTOMER : HONEY OIL COMPANY INC.  
WELL : #1 TEST: 3  
ELEVATION : 2216 GL  
SECTION : 11  
RANGE : 23W COUNTY : NESS  
GAUGE SN# : 13629 RANGE : 4425  
TICKET : 15268  
LEASE : FOOS  
GEOLOGIST : PRIEST  
FORMATION : MISSISSIPPI  
TOWNSHIP : 20S  
STATE : KANSAS  
CLOCK : 12

INTERVAL FROM : 4279 TO : 4357 TOTAL DEPTH : 4357  
DEPTH OF SELECTIVE ZONE :  
PACKER DEPTH : 4274 SIZE : 6.75  
PACKER DEPTH : 4279 SIZE : 6.75  
PACKER DEPTH : SIZE :  
PACKER DEPTH : SIZE :

DRILLING CON. : DUKE DRILLING RIG #4  
MUD TYPE : CHEMICAL VISCOSITY : 41  
WEIGHT : 9. WATER LOSS (CC) : 12.4  
CHLORIDES (PPM) : 10500  
JARS-MAKE : SERIAL NUMBER :  
DID WELL FLOW ? : NO REVERSED OUT ? : NO

DRILL COLLAR LENGTH : 180 FT I.D. inch : 2.20  
WEIGHT PIPE LENGTH : 0 FT I.D. inch : 0.00  
DRILL PIPE LENGTH : 4079 FT I.D. inch : 3.80  
TEST TOOL LENGTH : 20 FT TOOL SIZE : 5.50  
ANCHOR LENGTH : 78 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 BOTTOM OF BUCKET  
BLOW COMMENT #2 : IN 10 MINUTES.  
BLOW COMMENT #3 : FINAL FLOW PERIOD-STRONG BOTTOM OF BUCKET  
BLOW COMMENT #4 : IN 10 MINUTES.

RECOVERED : 160 FT OF: CLEAN GASSY OIL 40 GRAVITY CORRECTED  
RECOVERED : 360 FT OF: MUD & GAS CUT OIL  
RECOVERED : 0 FT OF: 20% MUD 40% OIL 40% GAS

Total Barrels Fluid = 5.62  
Total Fluid Prod Rate = 89.84 BFPD  
Indicated Oil Rate = 52.52 BOPD  
Indicated Wtr Rate = 0.62 BWPD  
Corrected Oil Rate = 61.42 BOPD  
Corrected Wtr Rate = 0.73 BWPD

REMARK 1 : TIGHT HOLE  
REMARK 2 : 620 FT GAS ABOVE FLUID  
REMARK 3 :  
REMARK 4 :

SET PACKER(S) : 8:05 PM                      TIME STARTED OFF BOTTOM : 11:05 AM  
WELL TEMPERATURE : 119  
INITIAL HYDROSTATIC PRESSURE (A) 2156  
INITIAL FLOW PERIOD MIN: 45 (B) 80 PSI TO (C) : 127  
INITIAL CLOSED IN PERIOD MIN: 48 (D) 1273  
FINAL FLOW PERIOD MIN: 45 (E) 180 PSI TO (F) : 207  
FINAL CLOSED IN PERIOD MIN: 45 (G) 1249  
FINAL HYDROSTATIC PRESSURE (H) 2081



WESTERN TESTING CO. INC.  
WICHITA-KANSAS

Pressure Transient Report  
-----

COMPANY : HONEY OIL COMPANY INC.  
RIG : NESS-KANSAS  
FIELD : FOOS  
WELL : #1  
DATE : 3/13/90  
GAUGE NO : 13629

OPERATIONAL COMMENTS

TIGHT HOLE  
620 FT GAS ABOVE FLUID

COMPANY : HONEY OIL COMPANY INC.  
 WELL : #1  
 GAUGE # : 13629  
 DATE : 13/ 3/90

FIELD : FOOS  
 JOB # : 15268  
 DEPTH : 4357  
 TEST : TIGHT HOLE

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	8: 5: 0	0.000	80.000	119.00	0.000
3	8: 9:59	0.083	80.000	119.00	0.000
4	8:15: 0	0.167	80.000	119.00	0.000
5	8:20: 0	0.250	84.000	119.00	4.000
6	8:24:59	0.333	92.000	119.00	8.000
7	8:30: 0	0.417	99.000	119.00	7.000
8	8:35: 0	0.500	108.000	119.00	9.000
9	8:39:59	0.583	114.000	119.00	6.000
10	8:45: 0	0.667	120.000	119.00	6.000
11	8:50: 0	0.750	127.000	119.00	7.000
INITIAL SHUT-IN PERIOD					
12	8:53: 0	0.800	373.000	119.00	246.000
13	8:56: 0	0.850	920.000	119.00	547.000
14	8:59: 0	0.900	1083.000	119.00	163.000
15	9: 2: 0	0.950	1147.000	119.00	64.000
16	9: 5: 0	1.000	1178.000	119.00	31.000
17	9: 8: 0	1.050	1198.000	119.00	20.000
18	9:11: 0	1.100	1210.000	119.00	12.000
19	9:14: 0	1.150	1224.000	119.00	14.000
20	9:17: 0	1.200	1236.000	119.00	12.000
21	9:20: 0	1.250	1242.000	119.00	6.000
22	9:23: 0	1.300	1250.000	119.00	8.000
23	9:26: 0	1.350	1256.000	119.00	6.000
24	9:29: 0	1.400	1261.000	119.00	5.000
25	9:32: 0	1.450	1266.000	119.00	5.000
26	9:35: 0	1.500	1270.000	119.00	4.000
27	9:38: 0	1.550	1273.000	119.00	3.000
FINAL FLOW PERIOD					
28	9:39: 0	1.567	180.000	119.00	-1093.000
29	9:42:59	1.633	180.000	119.00	0.000
30	9:48: 0	1.717	180.000	119.00	0.000
31	9:53: 0	1.800	180.000	119.00	0.000
32	9:57:59	1.883	181.000	119.00	1.000
33	10: 3: 0	1.967	185.000	119.00	4.000
34	10: 8: 0	2.050	192.000	119.00	7.000
35	10:12:59	2.133	198.000	119.00	6.000
36	10:18: 0	2.217	204.000	119.00	6.000
37	10:23: 0	2.300	207.000	119.00	3.000
FINAL SHUT-IN PERIOD					
38	10:26: 0	2.350	443.000	119.00	236.000
39	10:28:59	2.400	895.000	119.00	452.000
40	10:32: 0	2.450	1061.000	119.00	166.000
41	10:35: 0	2.500	1121.000	119.00	60.000
42	10:38: 0	2.550	1153.000	119.00	32.000
43	10:41: 0	2.600	1177.000	119.00	24.000
44	10:43:59	2.650	1192.000	119.00	15.000
45	10:47: 0	2.700	1202.000	119.00	10.000
46	10:50: 0	2.750	1211.000	119.00	9.000
47	10:53: 0	2.800	1222.000	119.00	11.000
48	10:56: 0	2.850	1228.000	119.00	6.000

COMPANY : HONEY OIL COMPANY INC.  
WELL : #1  
GAUGE # : 13629  
DATE : 13/ 3/90

FIELD : FOOS  
JOB # : 15268  
DEPTH : 4357  
TEST : TIGHT HOLE

DATA No.	REAL TIME HR:MN:SS	ELAPSE TIME DELTA HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P Pi-P(i-1)
49	10:59: 0	2.900	1236.000	119.00	8.000
50	11: 1:59	2.950	1239.000	119.00	3.000
51	11: 5: 0	3.000	1244.000	119.00	5.000
52	11: 8: 0	3.050	1249.000	119.00	5.000

WESTERN TESTING CO. INC.