



WESTERN TESTING CO., INC. FORMATION TESTING

TICKET No 18954

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

Elevation _____ Formation Miss Eff. Pay _____ Ft.

District G.T. Bend Date 1-20-93 Customer Order No. _____

COMPANY NAME Honey Oil Co., Inc.

ADDRESS 401 EAST Douglas - Suite 505 WICHITA, KS 67202

LEASE AND WELL NO. HERL #2 COUNTY Ness STATE KS Sec. 18 Twp. 18 Rge. 26

Mail Invoice To SAME Co. Name HERL #2 Address _____ No. Copies Requested Reg

Mail Charts To SAME Address _____ No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4574 ft. to 4600 ft. Total Depth 4600 ft.

Packer Depth 4569 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4574 ft. Size 6 7/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4592 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 4595 ft. Recorder Number 11018 Cap. 4425

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

Drilling Contractor Duke Delg rig 4 Drill Collar Length 120 I. D. 2.2 in.

Mud Type Chemical Viscosity 50 Weight Pipe Length 180 I. D. 2.7 in.

Weight 10 Water Loss 10.4 cc. Drill Pipe Length 4254 I. D. 3.8 in.

Chlorides 3600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make _____ Serial Number _____ Anchor Length 26 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 7/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IF - WEAK Blow died in 7 min FF - NO BLOW

Recovered 10 ft. of Slightly oil & gas cut mud

Recovered _____ ft. of 2% oil 3% gas 95% mud

Recovered _____ ft. of

Recovered _____ ft. of

Recovered _____ ft. of

Chlorides _____ P.P.M. Sample Jars used 1 Remarks: _____

JAN 25 1993

Time On Location 6:15 A.M. Time Pick Up Tool 8:45 A.M. Time Off Location 2:30 P.M.

Time Set Packer(s) 10:25 A.M. Time Started Off Bottom 12:25 P.M. Maximum Temperature 122°

Initial Hydrostatic Pressure (A) 2376 P.S.I.

Initial Flow Period Minutes 30 (B) 71 P.S.I. to (C) 71 P.S.I.

Initial Closed In Period Minutes 30 (D) 71 P.S.I.

Final Flow Period Minutes 30 (E) 71 P.S.I. to (F) 71 P.S.I.

Final Closed In Period Minutes 30 (G) 71 P.S.I.

Final Hydrostatic Pressure (H) 2315 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

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

15-135-23728

18-18s-26w

COPY

DST REPORT

GENERAL INFORMATION

DATE : 1/20/93	TICKET : 18954
CUSTOMER : HONEY OIL COMPANY, INC.	LEASE : HERL
WELL : 2 TEST: 1	GEOLOGIST: JOE BAKER
ELEVATION:	FORMATION: MISSISSIPPI
SECTION : 18	TOWNSHIP : 18S
RANGE : 26W COUNTY: NESS	STATE : KS
GAUGE SN#: 3659 RANGE : 4000	CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4574.00 ft TO: 4600.00 ft TVD: 4600.00 ft
 DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
 DEPTH OF RECORDERS: 4592.0 ft 4595.0 ft
 TEMPERATURE: 122.0

DRILL COLLAR LENGTH: 120.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH : 180.0 ft	I.D.:	2.700 in
DRILL PIPE LENGTH : 4254.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH : 20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH : 26.0 ft	ANCHOR SIZE:	5.500 in
SURFACE CHOKE SIZE : 0.750 in	BOTTOM CHOKE SIZE:	0.750 in
MAIN HOLE SIZE : 7.875 in	TOOL JOINT SIZE :	4.5XH
PACKER DEPTH: 4569.0 ft	SIZE:	6.630 in
PACKER DEPTH: 4574.0 ft	SIZE:	6.630 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in
PACKER DEPTH: 0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : DUKE DRLG RIG 4	VISCOSITY : 50.00 cp
MUD TYPE : CHEMICAL	WATER LOSS: 10.400 cc
WEIGHT : 10.000 ppg	SERIAL NUMBER:
CHLORIDES : 3600 ppm	REVERSED OUT?: NO
JARS-MAKE :	
DID WELL FLOW?: NO	

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, DIED IN 7 MINUTES.
FINAL FLOW PERIOD NO BLOW.

RECEIVED
STATE GEOLOGICAL COMMISSION

MAR 30 1993

CONSERVATION DIVISION
TOPEKA, KANSAS

COPY

DST REPORT (CONTINUED)

FLUID RECOVERY

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
10.0	2.0	3.0	0.0	95.0	SLY OIL & GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0009 STB	TOTAL FLOW TIME:	60.0000 min.
GAS VOLUME:	0.0079 SCF	AVERAGE OIL RATE:	1.0945 STB/D
MUD VOLUME:	0.0447 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.0456 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2376.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	30.00		71.00
FINAL FLOW	30.00	71.00	71.00
FINAL SHUT-IN	30.00		71.00

FINAL HYDROSTATIC PRESSURE: 2315.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2419.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	77.00	77.00
INITIAL SHUT-IN	30.00		77.00
FINAL FLOW	30.00	77.00	77.00
FINAL SHUT-IN	30.00		77.00

FINAL HYDROSTATIC PRESSURE: 2240.00

RECEIVED
STATE CORPORATION COMMISSION
MAR 30 1993
CONSERVATION DIVISION
Wichita, Kansas

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/20/93	TICKET : 18954
CUSTOMER : HONEY OIL COMPANY, INC.	LEASE : HERL
WELL : 2	TEST: 1
ELEVATION:	GEOLOGIST: JOE BAKER
SECTION : 18	FORMATION: MISSISSIPPI
RANGE : 26W	TOWNSHIP : 18S
COUNTY: NESS	STATE : KS
Gauge SN#: 3659	RANGE : 4000
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	77.00	77.00
5.00	77.00	0.00
10.00	77.00	0.00
15.00	77.00	0.00
20.00	77.00	0.00
25.00	77.00	0.00
30.00	77.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	77.00	77.00	0.00
6.00	77.00	0.00	0.00
9.00	77.00	0.00	0.00
12.00	77.00	0.00	0.00
15.00	77.00	0.00	0.00
18.00	77.00	0.00	0.00
21.00	77.00	0.00	0.00
24.00	77.00	0.00	0.00
27.00	77.00	0.00	0.00
30.00	77.00	0.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	77.00	77.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	77.00	0.00
10.00	77.00	0.00
15.00	77.00	0.00
20.00	77.00	0.00
25.00	77.00	0.00
30.00	77.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	77.00	77.00	0.00
6.00	77.00	0.00	0.00
9.00	77.00	0.00	0.00
12.00	77.00	0.00	0.00
15.00	77.00	0.00	0.00
18.00	77.00	0.00	0.00
21.00	77.00	0.00	0.00
24.00	77.00	0.00	0.00
27.00	77.00	0.00	0.00
30.00	77.00	0.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 18955

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

Elevation N/A Formation Miss Eff. Pay Ft.

District G.T. Bend Date 1-20-93 Customer Order No.

COMPANY NAME Honey Oil Co., Inc.

ADDRESS 401 EAST Douglas - SUITE 505 WICHITA, KS 67202

LEASE AND WELL NO. Heel #2 COUNTY Ness STATE KS Sec 18 Twp 18 Rge 26

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

Mail Charts To SAME HEEL #2 Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 4601 ft. to 4608 ft. Total Depth 4608 ft.

Packer Depth 4596 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Packer Depth 4601 ft. Size 6 5/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4588 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 4603 ft. Recorder Number 11018 Cap. 4425

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Duke Oalg rig 4 Drill Collar Length 120 I. D. 2.2 in.

Mud Type Chemical Viscosity 847 Weight Pipe Length 180 I. D. 2.7 in.

Weight 9.8 Water Loss 9.2 cc. Drill Pipe Length 4276 I. D. 3.8 in.

Chlorides 3600 P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.

Jars: Make Serial Number Anchor Length 9 7 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 1/8 in. Tool Joint Size 4 1/2 XH in.

Blow: IF - WEAR building to a fair blow 1" to 4" blow,

Recovered 360 ft. of Mud

Recovered 60 ft. of Watery Mud 20% WATER 80% mud JAN 25 1993

Recovered ft. of MISRUN

Recovered ft. of

Chlorides 18000 P.P.M. Sample Jars used 3 Remarks: packers held when tool set, then approx 7 min into flow packer failed, reset twice

Time On Location 7:30 A.M. Time Pick Up Tool 8:00 A.M. Time Off Location

Time Set Packer(s) 9:35 A.M. Time Started Off Bottom 9:55 A.M. Maximum Temperature 126

Initial Hydrostatic Pressure (A) 2973 P.S.I.

Initial Flow Period Minutes 20 (B) 81 P.S.I. to (C) 81 P.S.I.

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

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

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

Final Hydrostatic Pressure (H) 2933 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 of Customer or his authorized representative

Western Representative Ray Schwager Thank you

FIELD INVOICE

Table with 2 columns: Item Name and Price. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/20/93	TICKET : 18955
CUSTOMER : HONEY OIL COMPANY, INC.	LEASE : HERL
WELL : 2 TEST: 2	GEOLOGIST: JOE BAKER
ELEVATION:	FORMATION: MISSISSIPPI
SECTION : 18	TOWNSHIP : 18S
RANGE : 26W	STATE : KS
GAUGE SN#: 3659	CLOCK : 12
COUNTY: NESS	
RANGE : 4000	

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	81.00	81.00
5.00	81.00	0.00
10.00	289.00	208.00
15.00	1128.00	839.00
20.00	298.00	-830.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
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FINAL FLOW

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

FINAL SHUT IN

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

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2380.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	20.00	81.00	298.00
INITIAL SHUT-IN	0.00		3.00

FINAL HYDROSTATIC PRESSURE: 2343.00

COPY

DST REPORT

GENERAL INFORMATION

DATE	: 1/20/93	TICKET	: 18955
CUSTOMER	: HONEY OIL COMPANY, INC.	LEASE	: HERL
WELL	: 2 TEST: 2	GEOLOGIST	: JOE BAKER
ELEVATION	:	FORMATION	: MISSISSIPPI
SECTION	: 18	TOWNSHIP	: 18S
RANGE	: 26W COUNTY: NESS	STATE	: KS
GAUGE SN#	: 3659 RANGE : 4000	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4601.00 ft	TO:	4608.00 ft	TVD:	4608.
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4588.0 ft		4603.0 ft		
TEMPERATURE:	126.0				
DRILL COLLAR LENGTH:	120.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	180.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	4276.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	7.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4596.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4601.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE DRLG RIG 4	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	9.800 ppg	SERIAL NUMBER:	
CHLORIDES :	3600 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW, BUILDING TO A FAIR BLOW, 1 INCH TO A 4 INCH BLOW.
PACKERS HELD WHEN TOOL SET, THEN APPROX. 7 MIN.

RECEIVED
STATE OPERATIONAL COMMISSION

MAR 30 1993

REGULATION DIVISION
Topeka, Kansas



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Last No 18956

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

Elevation N/A Formation Miss Eff. Pay Ft.

District GT. Bend Date 1-21-93 Customer Order No.

COMPANY NAME Honey Oil Co., Inc.

ADDRESS 401 EAST Douglas - Suite 505 Wichita, KS 67202

LEASE AND WELL NO. Herl #2 COUNTY Ness STATE KS Sec 18 Twp 18 S Rge 26 W

Mail Invoice To SAME Address No. Copies Requested Reg

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 4574 ft. to 4608 ft. Total Depth 4608 ft.

Packer Depth 4569 ft. Size 6 3/8 in. Packer Depth - ft. Size - in.

Packer Depth 4574 ft. Size 6 3/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4600 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 4603 ft. Recorder Number 11018 Cap. 4425

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

Drilling Contractor Duke Drilling rig 4 Drill Collar Length 120 I. D. 2.2 in.

Mud Type Chemical Viscosity 47 Weight Pipe Length 180 I. D. 2.7 in.

Weight 9.8 Water Loss 9.2 cc. Drill Pipe Length 4254 I. D. 3.8 in.

Chlorides 3600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 34 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 4 in.

Blow: FF - Weak Blow Throughout 3/4" To 1/4" Blow
FF - NO BLOW

Recovered 60 ft. of slightly oil cut watery mud

Recovered ft. of 1% OIL 20% WATER 99% mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Chlorides P.P.M. Sample Jars used 2 Remarks: JAN 25 1993

Time On Location 2:15 A.M. Time Pick Up Tool 12:40 P.M. Time Off Location P.M.

Time Set Packer (s) 2:15 A.M. Time Started Off Bottom 5:15 P.M. Maximum Temperature 127

Initial Hydrostatic Pressure (A) 2396 P.S.I.

Initial Flow Period (B) 60 Minutes (C) 81 P.S.I. to (D) 81 P.S.I.

Initial Closed In Period (E) 60 Minutes (F) 918 P.S.I.

Final Flow Period (G) 30 Minutes (H) 102 P.S.I. to (I) 102 P.S.I.

Final Closed In Period (J) 30 Minutes (K) 679 P.S.I.

Final Hydrostatic Pressure (L) 2336 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 \$
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$
Fluid Sampler \$
Extra Charts \$
Insurance \$
Telecopier \$
TOTAL \$

COPY

DST REPORT

GENERAL INFORMATION

DATE	: 1/21/93	TICKET	: 18956
CUSTOMER	: HONEY OIL COMPANY, INC.	LEASE	: HERL
WELL	: 2	TEST:	3
ELEVATION:		GEOLOGIST:	JOE BAKER
SECTION	: 18	FORMATION:	MISSISSIPPI
RANGE	: 26W	COUNTY:	NESS
GAUGE SN#:	3659	RANGE	: 4000
		STATE	: KS
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4574.00 ft	TO:	4608.00 ft	TVD:	4608
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4600.0 ft		4603.0 ft		
TEMPERATURE:	127.0				
DRILL COLLAR LENGTH:	120.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	180.0 ft	I.D.:		2.700 in	
DRILL PIPE LENGTH :	4254.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	34.0 ft	ANCHOR SIZE:		5.500 in	
SURFACE CHOKE SIZE :	0.750 in	BOTTOM CHOKE SIZE:		0.750 in	
MAIN HOLE SIZE :	7.875 in	TOOL JOINT SIZE :		4.5XH	
PACKER DEPTH:	4569.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4574.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	
PACKER DEPTH:	0.0 ft	SIZE:		0.000 in	

MUD INFORMATION

DRILLING CON. :	DUKE DRLG RIG 4	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	9.800 ppg	SERIAL NUMBER:	
CHLORIDES :	3600 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT, 3/4 INCH TO A 1/4 INCH BLOW. FINAL FLOW PERIOD NO BLOW.

RECEIVED
STATE COOPERATION COMMISSION

MAR 30 1993

CONSERVATION DIVISION
Wichita, Kansas

COPY

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	1.0	0.0	20.0	79.0	SLY OIL CUT WATERY MUD

RATE INFORMATION

OIL VOLUME:	0.0028 STB		TOTAL FLOW TIME:	90.0000 min.
GAS VOLUME:	0.0000 SCF		AVERAGE OIL RATE:	0.2149 STB/D
MUD VOLUME:	0.2228 STB		AVERAGE WATER RATE:	4.2984 STB/D
WATER VOLUME:	0.0564 STB			
TOTAL FLUID :	0.2821 STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2396.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	81.00	81.00
INITIAL SHUT-IN	60.00		918.00
FINAL FLOW	30.00	102.00	102.00
FINAL SHUT-IN	30.00		679.00

FINAL HYDROSTATIC PRESSURE: 2336.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2414.00

Description	Duration	p1	p End
INITIAL FLOW	60.00	92.00	92.00
INITIAL SHUT-IN	60.00		923.00
FINAL FLOW	30.00	112.00	112.00
FINAL SHUT-IN	30.00		698.00

FINAL HYDROSTATIC PRESSURE: 2315.00

RECEIVED
STATE CORPORATION COMMISSION

MAR 30 1993

CONSERVATION DIVISION
Wichita, Kansas

COPY

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INTO FLOW, PACKER FAILED. RESET TWICE. MIS RUN.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
360.0	0.0	0.0	0.0	100.0	MUD
60.0	0.0	0.0	20.0	80.0	WATERY MUD
0.0	0.0	0.0	0.0	0.0	CHLORIDES 18000 P.P.M.

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	20.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	3.4655	STB	AVERAGE WATER RATE:	20.3099	STB/D
WATER VOLUME:	0.0564	STB			
TOTAL FLUID :	3.5219	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2373.00

Description	Duration	p1	p End
INITIAL FLOW	20.00	81.00	81.00
INITIAL SHUT-IN	0.00		0.00
FINAL FLOW	0.00	0.00	0.00
FINAL SHUT-IN	0.00		0.00

FINAL HYDROSTATIC PRESSURE: 2333.00

RECEIVED
STATE CORPORATE COMMISSION
MAR 30 1993
CONSERVATION DIVISION
Wichita, Kansas

WESTERN TESTING CO., INC.

Pressure Data

Date 1-10-93 Test Ticket No. 18954
 Recorder No. 26059 Capacity 4000 Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2419</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>77</u> P.S.I.	First Flow Pressure	<u>50</u> Mins.	<u>50</u> Mins.
C First Final Flow Pressure	<u>77</u> P.S.I.	Initial Closed-in Pressure	<u>50</u> Mins.	<u>50</u> Mins.
D Initial Closed-in Pressure	<u>77</u> P.S.I.	Second Flow Pressure	<u>50</u> Mins.	<u>50</u> Mins.
E Second Initial Flow Pressure	<u>77</u> P.S.I.	Final Closed-in Pressure	<u>50</u> Mins.	<u>50</u> Mins.
F Second Final Flow Pressure	<u>77</u> P.S.I.			
G Final Closed-in Pressure	<u>77</u> P.S.I.			
H Final Hydrostatic Mud	<u>2540</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
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>77</u>	0	<u>77</u>	0	<u>77</u>	0	<u>77</u>
P 2 5	<u>77</u>	3	<u>77</u>	5	<u>77</u>	3	<u>77</u>
P 3 10	<u>77</u>	6	<u>77</u>	10	<u>77</u>	6	<u>77</u>
P 4 15	<u>77</u>	9	<u>77</u>	15	<u>77</u>	9	<u>77</u>
P 5 20	<u>77</u>	12	<u>77</u>	20	<u>77</u>	12	<u>77</u>
P 6 25	<u>77</u>	15	<u>77</u>	25	<u>77</u>	15	<u>77</u>
P 7 30	<u>77</u>	18	<u>77</u>	30	<u>77</u>	18	<u>77</u>
P 8 35	<u>77</u>	21	<u>77</u>	35	<u>77</u>	21	<u>77</u>
P 9 40	<u>77</u>	24	<u>77</u>	40	<u>77</u>	24	<u>77</u>
P10 45	<u>77</u>	27	<u>77</u>	45	<u>77</u>	27	<u>77</u>
P11 50	<u>77</u>	30	<u>77</u>	50	<u>77</u>	30	<u>77</u>
P12 55	<u>77</u>	33	<u>77</u>	55	<u>77</u>	33	<u>77</u>
P13 60	<u>77</u>	36	<u>77</u>	60	<u>77</u>	36	<u>77</u>
P14 65	<u>77</u>	39	<u>77</u>	65	<u>77</u>	39	<u>77</u>
P15 70	<u>77</u>	42	<u>77</u>	70	<u>77</u>	42	<u>77</u>
P16 75	<u>77</u>	45	<u>77</u>	75	<u>77</u>	45	<u>77</u>
P17 80	<u>77</u>	48	<u>77</u>	80	<u>77</u>	48	<u>77</u>
P18 85	<u>77</u>	51	<u>77</u>	85	<u>77</u>	51	<u>77</u>
P19 90	<u>77</u>	54	<u>77</u>	90	<u>77</u>	54	<u>77</u>
P20 95	<u>77</u>	57	<u>77</u>	95	<u>77</u>	57	<u>77</u>
100	<u>77</u>	60	<u>77</u>	100	<u>77</u>	60	<u>77</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 1-20-93 Test Ticket No. 18955
 Recorder No. 51059 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2580</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>81</u> P.S.I.	First Flow Pressure	Mins. <u>10</u>	Mins.
C First Final Flow Pressure	<u>298</u> P.S.I.	Initial Closed-in Pressure	Mins. _____	Mins.
D Initial Closed-in Pressure	<u>-</u> P.S.I.	Second Flow Pressure	Mins. _____	Mins.
E Second Initial Flow Pressure	<u>-</u> P.S.I.	Final Closed-in Pressure	Mins. _____	Mins.
F Second Final Flow Pressure	<u>-</u> P.S.I.			
G Final Closed-in Pressure	<u>-</u> P.S.I.			
H Final Hydrostatic Mud	<u>2542</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Point Minutes	Press.						
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.								
P 1 0	<u>81</u>	0		0		0		0	
P 2 5	<u>81</u>	3		3		5		3	
P 3 10	<u>89</u>	6		6		10		6	
P 4 15	<u>128</u>	9		9		15		9	
P 5 20	<u>298</u>	12		12		20		12	
P 6 25		15		15		25		15	
P 7 30		18		18		30		18	
P 8 35		21		21		35		21	
P 9 40		24		24		40		24	
P10 45		27		27		45		27	
P11 50		30		30		50		30	
P12 55		33		33		55		33	
P13 60		36		36		60		36	
P14 65		39		39		65		39	
P15 70		42		42		70		42	
P16 75		45		45		75		45	
P17 80		48		48		80		48	
P18 85		51		51		85		51	
P19 90		54		54		90		54	
P20 95		57		57		95		57	
100		60		60		100		60	

WESTERN TESTING CO., INC.

Pressure Data

Date 1-21-93

Test Ticket No. 18956

Recorder No. 21059

Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2464</u> P.S.I.	_____	_____	_____
B First Initial Flow Pressure	<u>92</u> P.S.I.	First Flow Pressure	_____	_____
C First Final Flow Pressure	<u>92</u> P.S.I.	Initial Closed-in Pressure	_____	_____
D Initial Closed-in Pressure	<u>92</u> P.S.I.	Second Flow Pressure	_____	_____
E Second Initial Flow Pressure	<u>114</u> P.S.I.	Final Closed-in Pressure	_____	_____
F Second Final Flow Pressure	<u>114</u> P.S.I.			
G Final Closed-in Pressure	<u>698</u> P.S.I.			
H Final Hydrostatic Mud	<u>2815</u> P.S.I.			

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc.	of _____ mins. and a final inc. of _____ Min.
	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	
P 1 0	<u>92</u>	0	<u>92</u>	0	<u>114</u>	0	<u>114</u>	
P 2 5	[Large handwritten scribble]	3	<u>94</u>	3	[Large handwritten scribble]	3	<u>169</u>	
P 3 10		6	<u>99</u>	6		<u>245</u>		
P 4 15		9	<u>116</u>	9		<u>327</u>		
P 5 20		12	<u>185</u>	12		<u>408</u>		
P 6 25		15	<u>257</u>	15		<u>423</u>		
P 7 30		18	<u>255</u>	18		<u>529</u>		
P 8 35		21	<u>410</u>	21		<u>584</u>		
P 9 40		24	<u>488</u>	24		<u>650</u>		
P10 45		27	<u>549</u>	27		<u>666</u>		
P11 50		30	<u>606</u>	30		<u>698</u>		
P12 55		33	<u>640</u>	33				
P13 60		36	<u>692</u>	36				
P14 65	39	<u>722</u>	39					
P15 70	42	<u>768</u>	42					
P16 75	45	<u>801</u>	45					
P17 80	48	<u>827</u>	48					
P18 85	51	<u>853</u>	51					
P19 90	54	<u>875</u>	54					
P20 95	57	<u>896</u>	57					
100	60	<u>922</u>	60					

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 1/21/93	TICKET : 18956
CUSTOMER : HONEY OIL COMPANY, INC.	LEASE : HERL
WELL : 2	TEST: 3
ELEVATION:	GEOLOGIST: JOE BAKER
SECTION : 18	FORMATION: MISSISSIPPI
RANGE : 26W	TOWNSHIP : 18S
COUNTY: NESS	STATE : KS
GAUGE SN#: 3659	RANGE : 4000
	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	92.00	92.00
5.00	92.00	0.00
10.00	92.00	0.00
15.00	92.00	0.00
20.00	92.00	0.00
25.00	92.00	0.00
30.00	92.00	0.00
35.00	92.00	0.00
40.00	92.00	0.00
45.00	92.00	0.00
50.00	92.00	0.00
55.00	92.00	0.00
60.00	92.00	0.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	94.00	94.00	0.00
6.00	99.00	5.00	0.00
9.00	111.00	12.00	0.00
12.00	185.00	74.00	0.00
15.00	257.00	72.00	0.00
18.00	355.00	98.00	0.00
21.00	420.00	65.00	0.00
24.00	488.00	68.00	0.00
27.00	549.00	61.00	0.00
30.00	606.00	57.00	0.00
33.00	643.00	37.00	0.00
36.00	693.00	50.00	0.00
39.00	732.00	39.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
42.00	768.00	36.00	0.00
45.00	801.00	33.00	0.00
48.00	827.00	26.00	0.00
51.00	853.00	26.00	0.00
54.00	875.00	22.00	0.00
57.00	896.00	21.00	0.00
60.00	923.00	27.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	112.00	112.00
5.00	112.00	0.00
10.00	112.00	0.00
15.00	112.00	0.00
20.00	112.00	0.00
25.00	112.00	0.00
30.00	112.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	169.00	169.00	0.00
6.00	245.00	76.00	0.00
9.00	327.00	82.00	0.00
12.00	408.00	81.00	0.00
15.00	473.00	65.00	0.00
18.00	539.00	66.00	0.00
21.00	584.00	45.00	0.00
24.00	630.00	46.00	0.00
27.00	666.00	36.00	0.00
30.00	698.00	32.00	0.00

JK4 18955

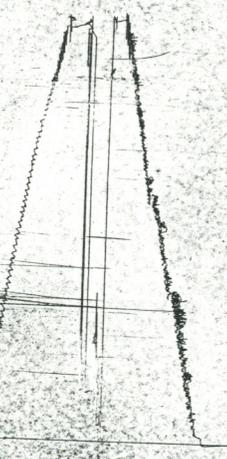
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OST #2
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JK4 18955

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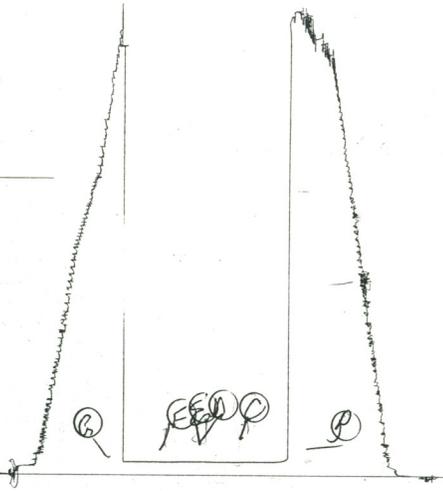


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PST#1

JK 18954

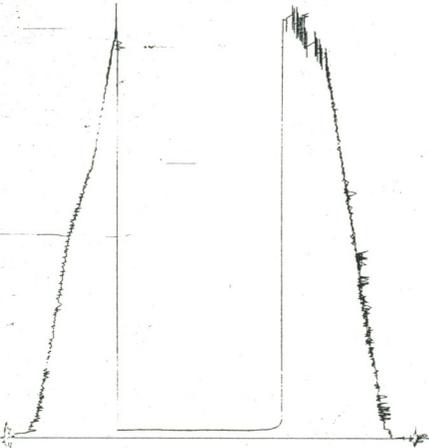
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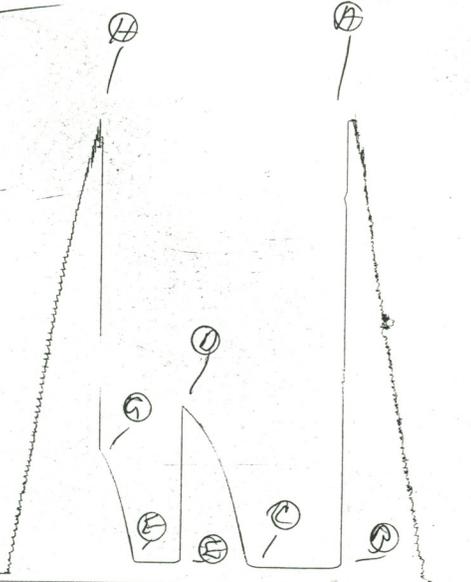
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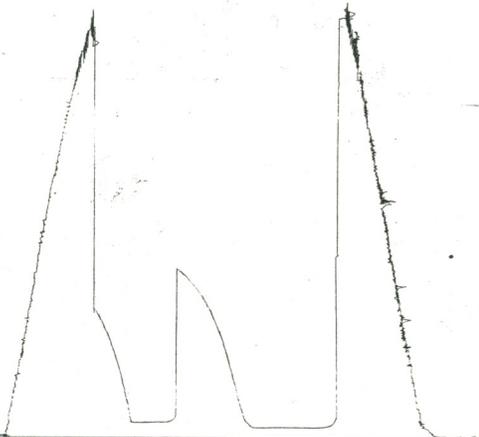


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