



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº 20657

Last

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

Elevation N/A Formation MISS Eff. Pay — Ft.

District GREAT Bend Date 11-10-94 Customer Order No. —

COMPANY NAME McNeish Oil Operations

ADDRESS P.O. Box 734, 528 ST. Bank Bldg, Winfield, Ks. 67156

LEASE AND WELL NO. FRANKLIN #1 COUNTY Sumner STATE Ks Sec. 6 Twp. 33 Rge. 2

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

Mail Charts To SAME Co. Name — Address — No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3408 ft. to 3450 ft. Total Depth 3450 ft.

Packer Depth 3403 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 3408 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3411 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3414 ft. Recorder Number 13550 Cap. 4175

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

Drilling Contractor GLAUCES Drilling rig 1 Drill Collar Length 240 I. D. 2.2 in.

Mud Type CHEMICAL Viscosity 39 Weight Pipe Length — I. D. — in.

Weight 9.7 Water Loss 9.6 cc. Drill Pipe Length 3148 I. D. 3.8 in.

Chlorides 1700 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 42 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 FH in.

Blow: FF - WEAK Blow Throughout 1" To 2" Blow

FF - WEAK Blow Throughout 2" To 2 1/2" Blow

Recovered 90 ft. of WATERY Mud 40% WATER 60% Mud

Recovered 120 ft. of Muddy WATER 85% WATER 15% Mud

Recovered — ft. of w/ show of oil Throughout

Recovered — ft. of —

Recovered — ft. of —

Chlorides 31000 P.P.M. Sample Jars used 3 Remarks: —

Time On Location 11:00 A.M. Time Pick Up Tool 5:40 P.M. Time Off Location — A.M.

Time Set Packer(s) 7:35 P.M. Time Started Off Bottom 11:05 P.M. Maximum Temperature 117°

Initial Hydrostatic Pressure — (A) 1755 P.S.I.

Initial Flow Period — Minutes 30 (B) 52 P.S.I. to (C) 62 P.S.I.

Initial Closed In Period — Minutes 60 (D) 1060 P.S.I.

Final Flow Period — Minutes 60 (E) 93 P.S.I. to (F) 124 P.S.I.

Final Closed In Period — Minutes 60 (G) 894 P.S.I.

Final Hydrostatic Pressure — (H) 1734 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.

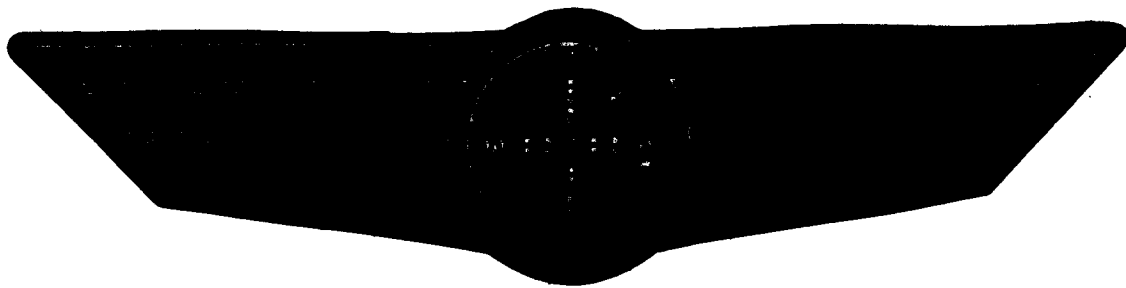
Test Approved By James A. [Signature]
Signature of Customer or his authorized representative

Western Representative Ray Schwach THANK

FIELD INVOICE

Open Hole Test ✓
Misrun —
Straddle Test —
Jars —
Selective Zone —
Safety Joint —
Standby —
Evaluation —
Extra Packer —
Circ. Sub. —
Mileage —
Fluid Sampler —

FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone ~~11~~800-688-7021

COMPANY MCNEISH OIL OPERATIONS

LEASE & WELL NO. #1 FRANKLIN

SEC. 6 TWP 33S RGE. 2E TEST NO. 1 DATE 11-10-94

DST REPORT

GENERAL INFORMATION

DATE : 11/10/94
CUSTOMER : McNEISH OIL OPERATIONS
WELL : #1 TEST: 1
ELEVATION: N/A
SECTION : 6
RANGE : 2E COUNTY: SUMNER
GAUGE SN#: 10270 RANGE : 4150

TICKET : 20657
LEASE : FRANKLIN
GEOLOGIST: ?
FORMATION: MISSISSIPPI
TOWNSHIP : 33S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3408.00 ft TO: 3450.00 ft TVD: 3450.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3411.0 ft 3414.0 ft
TEMPERATURE: 117.0

DRILL COLLAR LENGTH:	240.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3148.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	42.0 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 :	4.5FH
PACKER DEPTH:	3403.0 ft	SIZE:	6.625 in
PACKER DEPTH:	3408.0 ft	SIZE:	6.625 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in
PACKER DEPTH:	0.0 ft	SIZE:	0.000 in

MUD INFORMATION

DRILLING CON. : GLAVES DRLG RIG #1
MUD TYPE : CHEMICAL
WEIGHT : 9.700 ppg
CHLORIDES : 1700 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 39.00 cp
WATER LOSS: 9.600 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW: WEAK BLOW THROUGHOUT, 1 INCH TO 2
INCH BLOW.
FINAL FLOW: WEAK BLOW THROUGHOUT, 2 INCH TO 2-1/2

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

INCH BLOW.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	0.0	40.0	60.0	WATERY MUD
120.0	0.0	0.0	85.0	15.0	MUDDY WATER W/SHOW OF OIL
0.0	0.0	0.0	0.0	0.0	THROUGHOUT.
0.0	0.0	0.0	0.0	0.0	CHLORIDES- 31,000 PPM

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	90.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.3385	STB	AVERAGE WATER RATE:	15.7966	STB/D
WATER VOLUME:	0.6488	STB			
TOTAL FLUID :	0.9873	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1755.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	52.00	62.00
INITIAL SHUT-IN	60.00		1060.00
FINAL FLOW	60.00	93.00	124.00
FINAL SHUT-IN	60.00		894.00

FINAL HYDROSTATIC PRESSURE: 1734.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1797.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	55.00	66.00
INITIAL SHUT-IN	57.00		1060.00
FINAL FLOW	60.00	102.00	129.00
FINAL SHUT-IN	60.00		906.00

FINAL HYDROSTATIC PRESSURE: 1745.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 11/10/94	TICKET : 20657
CUSTOMER : McNEISH OIL OPERATIONS	LEASE : FRANKLIN
WELL : #1	TEST: 1
ELEVATION: N/A	GEOLOGIST: ?
SECTION : 6	FORMATION: MISSISSIPPI
RANGE : 2E	TOWNSHIP : 33S
COUNTY: SUMNER	STATE : KS
GAUGE SN#: 10270	RANGE : 4150
	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	55.00	55.00
5.00	55.00	0.00
10.00	55.00	0.00
15.00	56.00	1.00
20.00	59.00	3.00
25.00	62.00	3.00
30.00	66.00	4.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	156.00	156.00	0.00
6.00	240.00	84.00	0.00
9.00	308.00	68.00	0.00
12.00	378.00	70.00	0.00
15.00	448.00	70.00	0.00
18.00	516.00	68.00	0.00
21.00	584.00	68.00	0.00
24.00	650.00	66.00	0.00
27.00	716.00	66.00	0.00
30.00	771.00	55.00	0.00
33.00	826.00	55.00	0.00
36.00	861.00	35.00	0.00
39.00	904.00	43.00	0.00
42.00	935.00	31.00	0.00
45.00	966.00	31.00	0.00
48.00	992.00	26.00	0.00
51.00	1018.00	26.00	0.00
54.00	1039.00	21.00	0.00
57.00	1060.00	21.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	102.00	102.00
5.00	102.00	0.00
10.00	103.00	1.00
15.00	105.00	2.00
20.00	107.00	2.00
25.00	109.00	2.00
30.00	111.00	2.00
35.00	113.00	2.00
40.00	115.00	2.00
45.00	118.00	3.00
50.00	122.00	4.00
55.00	126.00	4.00
60.00	129.00	3.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	194.00	194.00	0.00
6.00	244.00	50.00	0.00
9.00	286.00	42.00	0.00
12.00	321.00	35.00	0.00
15.00	356.00	35.00	0.00
18.00	398.00	42.00	0.00
21.00	440.00	42.00	0.00
24.00	479.00	39.00	0.00
27.00	518.00	39.00	0.00
30.00	561.00	43.00	0.00
33.00	604.00	43.00	0.00
36.00	643.00	39.00	0.00
39.00	682.00	39.00	0.00
42.00	721.00	39.00	0.00
45.00	760.00	39.00	0.00
48.00	794.00	34.00	0.00
51.00	828.00	34.00	0.00
54.00	860.00	32.00	0.00
57.00	883.00	23.00	0.00
60.00	906.00	23.00	0.00

WESTERN TESTING CO., INC.

Pressure Data

Date 11/10/94

Test Ticket No. 20657

Recorder No. 10270

Capacity _____ Location _____ Ft

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1797</u> P.S.I.		M
B First Initial Flow Pressure	P.S.I.	_____ Mins.	_____ Mins.
C First Final Flow Pressure	P.S.I.	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure	P.S.I.	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure	P.S.I.	_____ Mins.	_____ Mins.
F Second Final Flow Pressure	P.S.I.	_____ Mins.	_____ Mins.
G Final Closed-in Pressure	P.S.I.		
H Final Hydrostatic Mud	<u>1745</u> P.S.I.		

PRESSURE BREAKDOWN

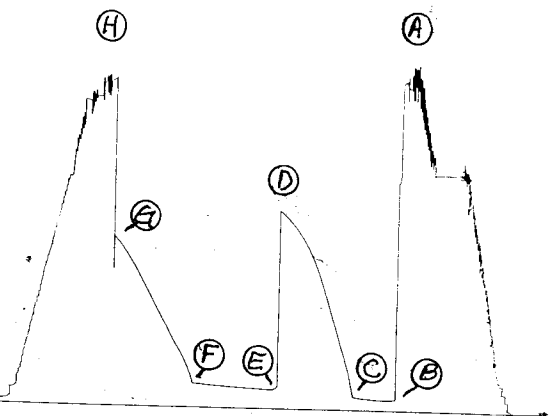
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final 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>55</u>	0	<u>66</u>	0	<u>102</u>	0	<u>129</u>
P 2 5	<u>1</u>	3	<u>156</u>	5	<u>102</u>	3	<u>194</u>
P 3 10	<u>1</u>	6	<u>240</u>	10	<u>103</u>	6	<u>244</u>
P 4 15	<u>56</u>	9	<u>308</u>	15	<u>105</u>	9	<u>286</u>
P 5 20	<u>59</u>	12	<u>378</u>	20	<u>107</u>	12	<u>321</u>
P 6 25	<u>62</u>	15	<u>448</u>	25	<u>109</u>	15	<u>356</u>
P 7 30	<u>66</u>	18	<u>516</u>	30	<u>111</u>	18	<u>398</u>
P 8 35		21	<u>584</u>	35	<u>113</u>	21	<u>440</u>
P 9 40		24	<u>650</u>	40	<u>115</u>	24	<u>479</u>
P10 45		27	<u>716</u>	45	<u>118</u>	27	<u>518</u>
P11 50		30	<u>771</u>	50	<u>122</u>	30	<u>561</u>
P12 55		33	<u>826</u>	55	<u>126</u>	33	<u>604</u>
P13 60		36	<u>861</u>	60	<u>129</u>	36	<u>643</u>
P14 65		39	<u>904</u>	65		39	<u>682</u>
P15 70		42	<u>935</u>	70		42	<u>721</u>
P16 75		45	<u>966</u>	75		45	<u>760</u>
P17 80		48	<u>992</u>	80		48	<u>794</u>
P18 85		51	<u>1018</u>	85		51	<u>828</u>
P19 90		54	<u>1039</u>	90		54	<u>860</u>
P20 95		57	<u>1060</u>	95		57	<u>883</u>
100		<u>60</u>		100		60	<u>906</u>

Ticket # 20657

5

I

05741
10270



Ticket # 20657

O

057
1355a

