



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N^o ^{Last} 20078

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

Elevation 1808 KB Formation LANSING "H" Eff. Pay — Ft.

District GREAT Bend Date 10-6-93 Customer Order No. —

COMPANY NAME McNeish Oil Operations

ADDRESS P.O. Box 734 Winfield, Ks. 67156

LEASE AND WELL NO. Lucbees #1 COUNTY BARTON STATE Ks Sec. 30 Twp. 20 Rge. 11^W

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

Mail Charts To SAME Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3250 ft. to 3297 ft. Total Depth 3297 ft.

Packer Depth 3245 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 3250 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3253 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3256 ft. Recorder Number 13550 Cap. 4175

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

Drilling Contractor WHITE & ELLIS rig 8 Drill Collar Length — I. D. — in.

Mud Type Chemical Viscosity 48 Weight Pipe Length — I. D. — in.

Weight 8.8 Water Loss 9.2 cc. Drill Pipe Length 3230 I. D. 3.8 in.

Chlorides 3500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 47 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 XH in.

Blow: IF - WEAK BLOW THROUGHOUT 1/4" TO SURFACE BLOW

FF - VERY WEAK BLOW DIED IN 15 MIN.

Recovered 15 ft. of Mud w/ show of oil

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

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

Time On Location 12:10 A.M. Time Pick Up Tool 11:15 P.M. Time Off Location — A.M. P.M.

Time Set Packer(s) 2:50 A.M. Time Started Off Bottom 5:50 P.M. Maximum Temperature 98°

Initial Hydrostatic Pressure (A) 1541 P.S.I.

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

Initial Closed In Period Minutes 30 (D) 349 P.S.I.

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

Final Closed In Period Minutes 60 (G) 116 P.S.I.

Final Hydrostatic Pressure (H) 1510 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 D. Crain
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 \$

WESTERN TESTING CO., INC.

Pressure Data

Date 10-6-93 Test Ticket No. 22028
 Recorder No. 12550 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 1578 P.S.I. Open Tool _____ M _____
 B First Initial Flow Pressure _____ P.S.I. First Flow Pressure _____ Mins. _____ Mins.
 C First Final Flow Pressure _____ P.S.I. Initial Closed-in Pressure _____ Mins. _____ Mins.
 D Initial Closed-in Pressure _____ P.S.I. Second Flow Pressure _____ Mins. _____ Mins.
 E Second Initial Flow Pressure _____ P.S.I. Final Closed-in Pressure _____ Mins. _____ Mins.
 F Second Final Flow Pressure _____ P.S.I.
 G Final Closed-in Pressure _____ P.S.I.
 H Final Hydrostatic Mud 1522 P.S.I.

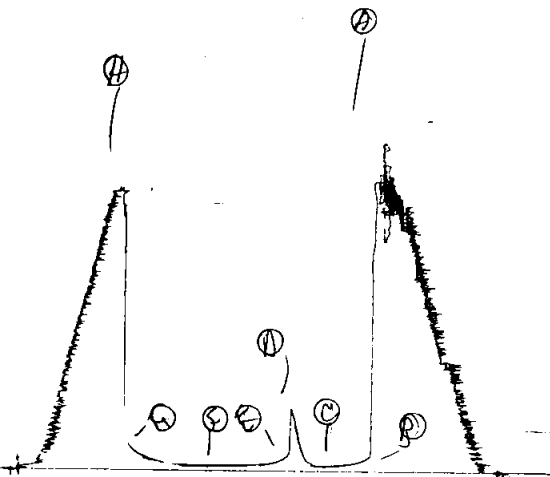
PRESSURE BREAKDOWN

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	87	0	59	0	69	0	59
P 2 5	74	3	59	5	69	3	59
P 3 10	59	6	59	10	57	6	59
P 4 15	52	9	42	15	49	9	59
P 5 20	46	12	45	20	46	12	59
P 6 25	39	15	48	25	43	15	59
P 7 30	39	18	65	30	41	18	59
P 8 35		21	105	35	40	21	59
P 9 40		24	184	40	5	24	59
P10 45		27	182	45	40	27	40
P11 50		30	352	50	59	30	40
P12 55		33		55	59	33	48
P13 60		36		60	59	36	55
P14 65		39		65		39	62
P15 70		42		70		42	67
P16 75		45		75		45	76
P17 80		48		80		48	86
P18 85		51		85		51	94
P19 90		54		90		54	109
P20 95		57		95		57	121
100		60		100		60	137

K720028

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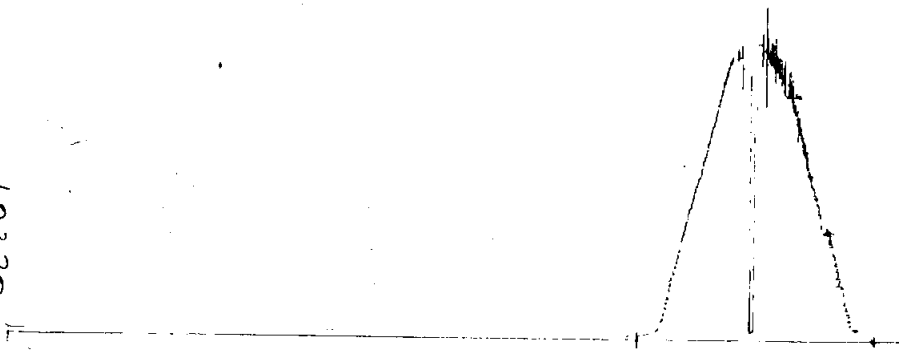
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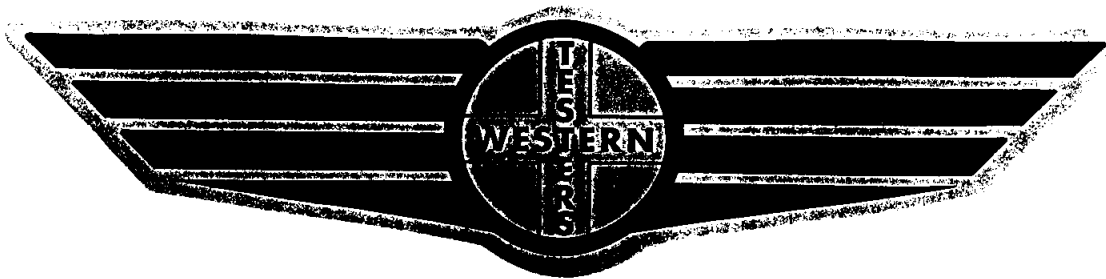
KT 20028

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10270



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 10/6/93
CUSTOMER : MCNEISH OIL OPERATIONS
WELL : #1 TEST: 1
ELEVATION: 1808 KB
SECTION : 30
RANGE : 11W COUNTY: BARTON
GAUGE SN#: 13550 RANGE : 4175

TICKET : 20078
LEASE : LUEBBERS
GEOLOGIST: CRAIG
FORMATION: LANSING H
TOWNSHIP : 20S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3250.00 ft TO: 3297.00 ft TVD: 3297.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3253.0 ft 3256.0 ft
TEMPERATURE: 98.0

DRILL COLLAR LENGTH:	0.0 ft	I.D.:	0.000 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3230.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	47.0 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:	3245.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3250.0 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. :	WHITE & ELLIS RIG 8	VISCOSITY :	48.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.200 cc
WEIGHT :	8.800 ppg	SERIAL NUMBER:	
CHLORIDES :	3500 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW THROUGHOUT - 1/4
INCH TO SURFACE BLOW. FINAL FLOW PERIOD VERY WEAK
BLOW - DIED IN 15 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
15.0	0.0	0.0	0.0	100.0	MUD W/SHOW OF OIL

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:	0.2104	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.2104	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1541.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	31.00	31.00
INITIAL SHUT-IN	30.00		349.00
FINAL FLOW	60.00	31.00	31.00
FINAL SHUT-IN	60.00		116.00

FINAL HYDROSTATIC PRESSURE: 1510.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1578.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	87.00	39.00
INITIAL SHUT-IN	30.00		352.00
FINAL FLOW	60.00	69.00	39.00
FINAL SHUT-IN	60.00		137.00

FINAL HYDROSTATIC PRESSURE: 1522.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/6/93	TICKET : 20078
CUSTOMER : MCNEISH OIL OPERATIONS	LEASE : LUEBBERS
WELL : #1	GEOLOGIST: CRAIG
ELEVATION: 1808 KB	FORMATION: LANSING H
SECTION : 30	TOWNSHIP : 20S
RANGE : 11W	STATE : KS
GAUGE SN#: 13550	CLOCK : 12
COUNTY: BARTON	
RANGE : 4175	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	87.00	87.00
5.00	74.00	-13.00
10.00	59.00	-15.00
15.00	52.00	-7.00
20.00	46.00	-6.00
25.00	39.00	-7.00
30.00	39.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	39.00	39.00	0.00
6.00	39.00	0.00	0.00
9.00	42.00	3.00	0.00
12.00	45.00	3.00	0.00
15.00	48.00	3.00	0.00
18.00	65.00	17.00	0.00
21.00	105.00	40.00	0.00
24.00	184.00	79.00	0.00
27.00	282.00	98.00	0.00
30.00	352.00	70.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	69.00	69.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	69.00	0.00
10.00	57.00	-12.00
15.00	49.00	-8.00
20.00	46.00	-3.00
25.00	43.00	-3.00
30.00	41.00	-2.00
35.00	40.00	-1.00
40.00	40.00	0.00
45.00	40.00	0.00
50.00	39.00	-1.00
55.00	39.00	0.00
60.00	39.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	39.00	39.00	0.00
6.00	39.00	0.00	0.00
9.00	39.00	0.00	0.00
12.00	39.00	0.00	0.00
15.00	39.00	0.00	0.00
18.00	39.00	0.00	0.00
21.00	39.00	0.00	0.00
24.00	39.00	0.00	0.00
27.00	40.00	1.00	0.00
30.00	43.00	3.00	0.00
33.00	48.00	5.00	0.00
36.00	55.00	7.00	0.00
39.00	63.00	8.00	0.00
42.00	67.00	4.00	0.00
45.00	76.00	9.00	0.00
48.00	86.00	10.00	0.00
51.00	94.00	8.00	0.00
54.00	109.00	15.00	0.00
57.00	121.00	12.00	0.00
60.00	137.00	16.00	0.00