



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N° 4093

P. O. BOX 1599
WICHITA, KANSAS 67201

PHONE (316) 838-0601

Elevation 2288 K.B. Formation MISS.Eff. Pay ☒ Ft.District WAKEENEY Date 5-16-80 Customer Order No. ✓COMPANY NAME PARRISH O.I. Corp. + H-30, Inc.ADDRESS 170 NORTH MARKET, Suite 201, Wichita, Kan. 67202LEASE AND WELL NO. McJunkin #2 COUNTY Rush STATE KS. Sec. 31 Twp. 19S Rge. 20WMail Invoice To SAME McJunkin #2 No. Copies Requested 5

Co. Name Address

Mail Charts To SAME No. Copies Requested 5

Address

Formation Test No. 1 Interval Tested from 4396 ft. to 4404 ft. Total Depth 4404 ft.Packer Depth 4391 ft. Size 6 3/4 in. Packer Depth ✓ ft. Size ✓ in.Packer Depth 4396 ft. Size 6 7/8 in. Packer Depth ✓ ft. Size ✓ in.Depth of Selective Zone Set ✓Top Recorder Depth (Inside) 4397 ft.Recorder Number 3473 Cap. 4000 PSIBottom Recorder Depth (Outside) 4400 ft.Recorder Number 2608 Cap. 4150 PSIBelow Straddle Recorder Depth ✓ ft.Recorder Number ✓ Cap. ✓Drilling Contractor H-30 Rig #2Drill Collar Length ✓ I. D. ✓ in.Mud Type starch Viscosity 49Weight Pipe Length ✓ I. D. ✓ in.Weight 107 Water Loss 124 cc.Drill Pipe Length 4410 I. D. 3.8 in.Chlorides 39,000 P.P.M.Test Tool Length 20 ft. Tool Size 5 1/2 in.Jars: Make NONE Serial Number ✓Anchor Length 8 ft. Size 5 1/2 in.Did Well Flow? NO Reversed Out NOSurface Choke Size 3/4 in. Bottom Choke Size 3/4 in.Main Hole Size 7/8 in. Tool Joint Size 4 1/2 F.H. in.Blow: Weak Building to good by end of I.F.P.
VERY WEAK Building to good by end of F.I.P.Recovered 40 ft. of 43% oil 57% mudRecovered 60 ft. of 75% oil 25% mudRecovered 60 ft. of 69% oil 31% mudRecovered 60 ft. of 43% oil 57% mudRecovered 60 ft. of 48% oil 52% mudRemarks: NO READINGS ON I.F.P. OR F.I. SHUT IN BECAUSE OF PLUGGING
THANK YOU

On location 7:00 AM OFF

Time Set Packer(s) 11:42 A.M. Time Started Off Bottom 3:15 P.M.Maximum Temperature 127°Initial Hydrostatic Pressure (A) 2343 P.S.I.Initial Flow Period Minutes 30 (B) no Reading P.S.I. to (C) no Reading P.S.I.Initial Closed In Period Minutes 60 (D) no Reading P.S.I.Final Flow Period Minutes 60 (E) 102 P.S.I. to (F) 123 P.S.I.Final Closed In Period Minutes 90 (G) 1091 P.S.I.Final Hydrostatic Pressure (H) 2312 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 Lloyd Parrish
Signature of Customer or his authorized representativeWestern Representative Randy Yerkey

FIELD INVOICE

Open Hole Test	\$ <u>600.00</u>
Misrun	\$
Straddle Test	\$
Jars	\$
Selective Zone	\$
Safety Joint	\$
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage <u>57 x 75¢</u>	\$ <u>42.75</u>
Fluid Sampler	\$
Extra Charts	\$

TOTAL \$ 600.00

MAY 19 1980

WESTERN TESTING CO., INC.

Pressure Data

Date 5-16-80 Test Ticket No. 4093
 Recorder No. 3473 Capacity 4000 Location 4397 Ft.
 Clock No. _____ Elevation 2288 K.B Well Temperature 127 °F
 Point Pressure Time Given Time Computed
 A. Initial Hydrostatic Mud 2326 P.S.I. Open Tool 11:42 A M
 B. First Initial Flow Pressure _____ P.S.I. First Flow Pressure 30 Mins. _____ Mins.
 C. First Final Flow Pressure _____ P.S.I. Initial Closed-in Pressure 60 Mins. _____ Mins.
 D. Initial Closed-in Pressure plugging P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E. Second Initial Flow Pressure 122 P.S.I. Final Closed-in Pressure 90 Mins. 96 Mins.
 F. Second Final Flow Pressure 135 P.S.I.
 G. Final Closed-in Pressure 1101 P.S.I.
 H. Final Hydrostatic Mud 2281 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</u> 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 Ins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
1 0		0		0	<u>122</u>	0	<u>135</u>
2 5		3		5	<u>116</u>	3	<u>502</u>
3 10		6		10	<u>Flushed Tool</u>	6	<u>837</u>
4 15		9		15	<u>125</u>	9	<u>869</u>
5 20		12		20	<u>120</u>	12	<u>892</u>
6 25		15		25	<u>119</u>	15	<u>916</u>
7 30		18		30	<u>119</u>	18	<u>930</u>
8 35		21		35	<u>121</u>	21	<u>946</u>
9 40		24		40	<u>125</u>	24	<u>957</u>
10 45		27		45	<u>129</u>	27	<u>969</u>
11 50		30		50	<u>133</u>	30	<u>979</u>
12 55		33		55	<u>135</u>	33	<u>989</u>
13 60		36		60	<u>135</u>	36	<u>997</u>
14		39		65		39	<u>1006</u>
15		42		70		42	<u>1015</u>
16		45		75		45	<u>1022</u>
17		48		80		48	<u>1028</u>
18		51		85		51	<u>1036</u>
19		54		90		54	<u>1042</u>
20		57				57	<u>1048</u>
		60				60	<u>1052</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 4093

Recorder No. _____ Capacity _____ Location _____

Block No. _____ Elevation _____ Well Temperature _____

Point	Pressure	Open Tool	Time Given	Time Computed
Initial Hydrostatic Mud _____	P.S.I.	_____	M _____	_____
First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mi _____
First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mi _____
Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure _____	Mins. _____	Mi _____
Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure _____	Mins. _____	Mi _____
Second Final Flow Pressure _____	P.S.I.			
Final Closed-in Pressure _____	P.S.I.			
Final Hydrostatic Mud _____	P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>31</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
Point ins.	Point Minutes	Point Minutes	Point Minutes
1 _____	63	_____	63
2 _____	66	_____	66
3 _____	69	_____	69
4 _____	72	_____	72
5 _____	75	_____	75
6 _____	78	_____	78
7 _____	81	_____	81
8 _____	84	_____	84
9 _____	87	_____	87
0 _____	90	_____	90
1 _____	93	_____	93
2 _____	96	_____	96
3 _____	99	_____	99
4 _____	102	_____	102
5 _____	105	_____	105
6 _____	108	_____	108
7 _____	111	_____	111
8 _____	114	_____	114
9 _____	117	_____	117
0 _____	120	_____	120

Company Parrish Oil Corp. & H-30, Inc. Lease & Well No. McJunkin #2
Elevation 2288 Kelly Bushing Formation Mississippi Effective Pay -- Ft. Ticket No. 4093
Date 5/16/80 Sec. 31 Twp 19S Range 20W County Rush State Kansas
Test Approved by Lloyd Parrish Western Representative Randy Lackey

Formation Test No. 1 Interval Tested from 4396 ft. to 4404 ft. Total Depth 4404 ft.

Packer Depth 4391 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4396 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4397 ft. Recorder Number 3473 Cap. 4000 PSI

Bottom Recorder Depth (Outside) 4400 ft. Recorder Number 2608 Cap. 4150 PSI

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

Drilling Contractor H-30 Drilling Rig #2 Drill Collar Length - I. D. - in.

Mud Type starch Viscosity 49 Weight Pipe Length - I. D. - in.

Weight 10.1 Water Loss 12.4 cc. Drill Pipe Length 4410 I. D. 3.8 in.

Chlorides 39,000 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make None Serial Number - Anchor Length 8 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No 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: Weak building to good by end of Initial Flow Period. Very weak building to good by end of Final Flow Period.

Recovered 40 ft. of 43% oil; 57% mud

Recovered 60 ft. of 75% oil; 25% mud

Recovered 60 ft. of 69% oil; 31% mud

Recovered 60 ft. of 43% oil; 57% mud

Recovered 60 ft. of 48% oil; 52% mud

Remarks: No readings on Initial Flow Period or Initial Shut-In because of plugging.

Time Set Packer(s) 11:42 A.M. Time Started Off Bottom 3:15 A.M. Maximum Temperature 127°

Initial Hydrostatic Pressure (A) 2326 P.S.I.

Initial Flow Period Minutes -- (B) Plugging action P.S.I. to (C) plugging action

Initial Closed In Period Minutes -- (D) Plugging action

Final Flow Period Minutes 60 (E) 122 P.S.I. to (F) 135 P.S.I.

Final Closed In Period Minutes 96 (G) 1101 P.S.I.

Final Hydrostatic Pressure (H) 2281 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 5-16-80 Test Ticket No. 4093
 Recorder No. 3473 Capacity 4000 Location 4397 Ft.
 Clock No. ---- Elevation 2288 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	A	M	Time Computed
A Initial Hydrostatic Mud	<u>2326</u>	P.S.I.	<u>11:42</u>			
B First Initial Flow Pressure	<u>Plugging Action</u>	P.S.I.	<u>30</u>	Mins.	<u>--</u>	Mins.
C First Final Flow Pressure	<u>" "</u>	P.S.I.	<u>60</u>	Mins.	<u>--</u>	Mins.
D Initial Closed-in Pressure	<u>" "</u>	P.S.I.	<u>60</u>	Mins.	<u>60</u>	Mins.
E Second Initial Flow Pressure	<u>122</u>	P.S.I.	<u>90</u>	Mins.	<u>96</u>	Mins.
F Second Final Flow Pressure	<u>135</u>	P.S.I.				
G Final Closed-in Pressure	<u>1101</u>	P.S.I.				
H Final Hydrostatic Mud	<u>2281</u>	P.S.I.				
Open Tool						
First Flow Pressure						
Initial Closed-in Pressure						
Second Flow Pressure						
Final Closed-in Pressure						

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>--</u> Inc.		Breakdown: <u>--</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>31</u> 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	122	0	135
P 2				5	116	3	502
P 3				10	Flushed Tool	6	837
P 4				15	125	9	869
P 5				20	120	12	892
P 6				25	119	15	916
P 7				30	119	18	930
P 8				35	121	21	946
P 9				40	125	24	957
P10				45	129	27	969
P11				50	133	30	989
P12				55	135	33	989
P13				60	135	36	997
P14						39	1006
P15						42	1015
P16						45	1022
P17						48	1028
P18						51	1036
P19						54	1042
P20						57	1048
						60	1052

WESTERN TESTING CO., INC.

Pressure Data

Date 5-16-80 Test Ticket No. 4093
 Recorder No. 3473 Capacity 4000 Location 4397 Ft.
 Clock No. ---- Elevation 2288 Kelly Bushing Well Temperature 127 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2326</u> P.S.I.	Open Tool	<u>11:42</u> A M	<u>.</u>
B First Initial Flow Pressure	<u>Plugging Action</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>--</u> Mins.
C First Final Flow Pressure	<u>"</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>--</u> Mins.
D Initial Closed-in Pressure	<u>"</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>122</u> P.S.I.	Final Closed-in Pressure	<u>90</u> Mins.	<u>96</u> Mins.
F Second Final Flow Pressure	<u>135</u> P.S.I.			
G Final Closed-in Pressure	<u>1101</u> P.S.I.			
H Final Hydrostatic Mud	<u>2281</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: -- Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: -- Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 31 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1						63	1058
P 2						66	1065
P 3						69	1069
P 4						72	1075
P 5						75	1079
P 6						78	1083
P 7						81	1087
P 8						48	1091
P 9						87	1095
P10						90	1097
P11						93	1099
P12						96	1101
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

1/15/50

T-3473
T-4093

PL # 4093
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