



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET NO

7889

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

Elevation 1305 KB Formation Stalnaker Sd. Eff. Pay Ft.

District Augusta Date 7-7-81 Customer Order No.

COMPANY NAME Robinson Oil Company 300 West Douglas Wichita, Kansas 67202

LEASE AND WELL NO. Smith A #1 COUNTY Sumner STATE KS. Sec. 4 Twp. 30S Rge 2W

Mail Invoice To Co. Name Same Address No. Copies Requested 1

Mail Charts To Co. Name Same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2696 ft. to 2710 ft. Total Depth 2710 ft.

Packer Depth 2691 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 2696 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2703 ft. Recorder Number 5666 Cap. 3950

Bottom Recorder Depth (Outside) 2706 ft. Recorder Number 3354 Cap. 4200

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor RRA #1 Drill Collar Length 432 I. D. 2 1/4 in.

Mud Type Chem Viscosity 41 Weight Pipe Length I. D. in.

Weight 9.1 Water Loss 16 cc. Drill Pipe Length 2253 I. D. 3 1/8 in.

Chlorides 3,000 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 in.

Jars: Make NO Serial Number Anchor Length 14 ft. Size 4 1/2 in.

Did Well Flow? Yes 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 x 4 in.

Blow Strong Gas to surface 2 min. See attached sheet for gas measurements.

Recovered 225 ft. of Salt water 96,000 ppm Cl.

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 5:00 P.M. Time Pick Up Tool 5:45 P.M. Time Off Location 12:00 A.M.

Time Set Packer(s) 7:30 A.M. Time Started Off Bottom 9:30 P.M. Maximum Temperature 107

Initial Hydrostatic Pressure (A) 1285 P.S.I.

Initial Flow Period Minutes 30 (B) 225 P.S.I. to (C) 550 P.S.I.

Initial Closed In Period Minutes 30 (D) 1125 P.S.I.

Final Flow Period Minutes 30 (E) 530 P.S.I. to (F) 560 P.S.I.

Final Closed In Period Minutes 30 (G) 1115 P.S.I.

Final Hydrostatic Pressure (H) 1285 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.

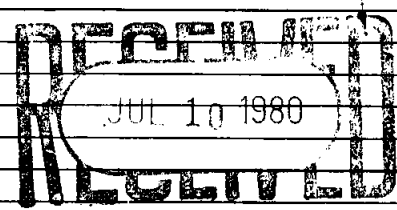
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By Robert E. McCann Signature of Customer or his authorized representative

Western Representative Allen Edgington

FIELD INVOICE

Table with 2 columns: Item and Amount. Items include Open Hole Test (\$625), Mileage (44) (\$32.00), Insurance (\$50.00), and TOTAL (\$708.00).





GAS FLOW REPORT

Nº 1496

Date 7-7-81 Ticket 7889 Company Robinson Oil Co.
 Well Name and No. Smith "A" #1 Dst No. 1 Interval Tested 2696-2710
 County Sumner State Ks. Sec. 4 Twp. 30 S Rg. 2 W

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
					PRE FLOW
					<i>WALTER Reed</i>
					<i>MBS</i>
<i>10</i>			<i>7.5</i>		<i>GAS to Surface 2 min</i>
<i>15</i>			<i>9</i>		<i>2,000,000 cfp d.</i>
<i>20</i>			<i>7.5</i>		<i>2,190,000</i>
					<i>2,000,000</i>
					<i>Blowing water + mud</i>
					<i>ok</i>

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
					SECOND FLOW
					<i>PSIG</i>
<i>35</i>			<i>18</i>		<i>3,120,000</i>
<i>40</i>			<i>22</i>		<i>3,500,000</i>
<i>45</i>			<i>20</i>		<i>3,310,000</i>
<i>50</i>			<i>18</i>		<i>3,120,000</i>
<i>55</i>			<i>18</i>		<i>"</i>
<i>60</i>			<i>18</i>		<i>"</i>
					<i>ok</i>
					<i>James</i>

GAS BOTTLE

Serial No. 101 Date Bottle Filled 7-7-81 Date to be Invoiced _____

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robinson Oil Co.
 Authorized by Joe M. Robinson

WESTERN TESTING CO., INC.

Pressure Data

Date 7-7 Recorder No. 5666 Capacity 3950 Test Ticket No. 7889
 Clock No. Elevation 1305 KB Location 2703 Ft. Well Temperature 107 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1285</u> P.S.I.		<u>7:30 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>220</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>546</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1125</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>516</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>565</u> P.S.I.			
G Final Closed-in Pressure	<u>1120</u> P.S.I.			
H Final Hydrostatic Mud	<u>1285</u> P.S.I.			

PRESSURE BREAKDOWN

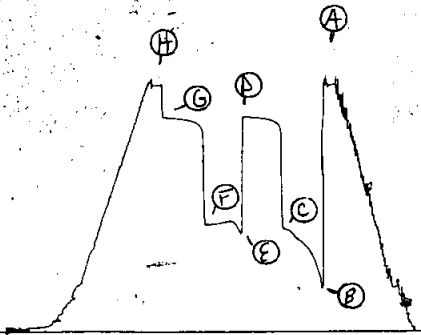
<p>First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Initial Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.</p>	<p>Final Shut-In Breakdown: <u>6</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.</p>
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	<u>220</u>	0	<u>546</u>	0	<u>516</u>	0	<u>565</u>
P 2 5	<u>347</u>	3	<u>1080</u>	5	<u>570</u>	3	<u>1074</u>
P 3 10	<u>424</u>	6	<u>1100</u>	10	<u>580</u>	6	<u>1094</u>
P 4 15	<u>469</u>	9	<u>1108</u>	15	<u>572</u>	9	<u>1102</u>
P 5 20	<u>494</u>	12	<u>1114</u>	20	<u>568</u>	12	<u>1106</u>
P 6 25	<u>534</u>	15	<u>1118</u>	25	<u>565</u>	15	<u>1110</u>
P 7 30	<u>546</u>	18	<u>1119</u>	30	<u>565</u>	18	<u>1112</u>
P 8 35		21	<u>1121</u>	35		21	<u>1114</u>
P 9 40		24	<u>1123</u>	40		24	<u>1116</u>
P 10 45		27	<u>1124</u>	45		27	<u>1118</u>
P 11 50		30	<u>1125</u>	50		30	<u>1120</u>
P 12 55		33		55		33	
P 13 60		36		60		36	
P 14		39		65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

TKT # 7889

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5666



Company Robinson Oil Company Lease & Well No. Smith "A" #1
 Elevation 1305 Kelly Bushing Formation Slatnaker Sand Effective Pay - Ft. Ticket No. 7889
 Date 7/7/81 Sec. 4 Twp. 30S Range 2W County Sumner State Kansas
 Test Approved by Robert E. McCann Western Representative Allen Edgington

Formation Test No. 1 Interval Tested from 2696 ft. to 2710 ft. Total Depth 2710 ft.
 Packer Depth 2691 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 2696 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2703 ft. Recorder Number 5666 Cap. 3950
 Bottom Recorder Depth (Outside) 2706 ft. Recorder Number 3354 Cap. 4200
 Below Straddle Recorder Depth -- ft. Recorder Number - Cap. -
 Drilling Contractor R. R. A. Drilling Rig #1 Drill Collar Length 432 I. D. 2.25 in.
 Mud Type chemical Viscosity 41 Weight Pipe Length - I. D. - in.
 Weight 9.1 Water Loss 16.0 cc. Drill Pipe Length 2253 I. D. 3.8 in.
 Chlorides 3,000 P.P.M. Test Tool Length 23 ft. Tool Size 4 1/2 in.
 Jars: Make No Serial Number - Anchor Length 14 ft. Size 4 1/2 in.
 Did Well Flow? Yes 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 XH in.

Blow: Strong. Gas to surface in two minutes. See attached sheet for gas measurements.

Recovered 255 ft. of salt water
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 7:30 ^{A.M.} P.M. Time Started Off Bottom 9:30 ^{A.M.} P.M. Maximum Temperature 107°
 Initial Hydrostatic Pressure 1285 P.S.I. (A)
 Initial Flow Period 30 Minutes (B) 220 P.S.I. to (C) 546 P.S.I.
 Initial Closed In Period 30 Minutes (D) 1125 P.S.I.
 Final Flow Period 30 Minutes (E) 516 P.S.I. to (F) 565 P.S.I.
 Final Closed In Period 30 Minutes (G) 1120 P.S.I.
 Final Hydrostatic Pressure 1285 P.S.I. (H)

GAS FLOW REPORT

Date 7/7/81 Ticket 7889 Company Robinson Oil Company
 Well Name and No. Smith "A" #1 Dst No. 1 Interval Tested 2696'-2710'
 County Sumner State Kansas Sec. 4 Twp. 30S Rg. 2W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
PRE FLOW						Gas to surface in two minutes.
	10 min.	7.5 PSIG				2,000,000 CFDP
	15 min.	9.0 PSIG				2,190,000 CFDP
	20 min.	7.5 PSIG				2,000,000 CFDP
						Blowing water & mud

SECOND FLOW						
	35 min.	18.0 PSIG				3,120,000 CFDP
	40 min.	22.0 PSIG				3,500,000 CFDP
	45 min.	20.0 PSIG				3,310,000 CFDP
	50 min.	18.0 PSIG				3,120,000 CFDP
	55 min.	18.0 PSIG				3,120,000 CFDP
	60 min.	18.0 PSIG				3,120,000 CFDP

GAS BOTTLE

Serial No. 101 Date Bottle Filled 7/7/81 Date to be Invoiced 7/7/81

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1½% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Robinson Oil Company
 Authorized by Dale M. Robinson

WESTERN TESTING CO., INC.

Pressure Data

Date 7/7/81 Recorder No. 5666 Capacity 3950 Test Ticket No. 7889
 Clock No. - Elevation 1305 Kelly Bushing Location 2703 Ft. 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1285	P.S.I.	7:30P	M
B First Initial Flow Pressure	220	P.S.I.	30	Mins. 30 Mins.
C First Final Flow Pressure	546	P.S.I.	30	Mins. 30 Mins.
D Initial Closed-in Pressure	1125	P.S.I.	30	Mins. 30 Mins.
E Second Initial Flow Pressure	516	P.S.I.	30	Mins. 30 Mins.
F Second Final Flow Pressure	565	P.S.I.		
G Final Closed-in Pressure	1120	P.S.I.		
H Final Hydrostatic Mud	1285	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 10 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 6 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 <u>0</u>	<u>220</u>	<u>0</u>	<u>546</u>	<u>0</u>	<u>516</u>	<u>0</u>	<u>565</u>
P 2 <u>5</u>	<u>347</u>	<u>3</u>	<u>1080</u>	<u>5</u>	<u>570</u>	<u>3</u>	<u>1074</u>
P 3 <u>10</u>	<u>424</u>	<u>6</u>	<u>1100</u>	<u>10</u>	<u>580</u>	<u>6</u>	<u>1094</u>
P 4 <u>15</u>	<u>469</u>	<u>9</u>	<u>1108</u>	<u>15</u>	<u>572</u>	<u>9</u>	<u>1102</u>
P 5 <u>20</u>	<u>494</u>	<u>12</u>	<u>1114</u>	<u>20</u>	<u>568</u>	<u>12</u>	<u>1106</u>
P 6 <u>25</u>	<u>534</u>	<u>15</u>	<u>1118</u>	<u>25</u>	<u>565</u>	<u>15</u>	<u>1110</u>
P 7 <u>30</u>	<u>546</u>	<u>18</u>	<u>1119</u>	<u>30</u>	<u>565</u>	<u>18</u>	<u>1112</u>
P 8 _____	_____	<u>21</u>	<u>1121</u>	_____	_____	<u>21</u>	<u>1114</u>
P 9 _____	_____	<u>24</u>	<u>1123</u>	_____	_____	<u>24</u>	<u>1116</u>
P10 _____	_____	<u>27</u>	<u>1124</u>	_____	_____	<u>27</u>	<u>1118</u>
P11 _____	_____	<u>30</u>	<u>1125</u>	_____	_____	<u>30</u>	<u>1120</u>
P12 _____	_____	_____	_____	_____	_____	_____	_____
P13 _____	_____	_____	_____	_____	_____	_____	_____
P14 _____	_____	_____	_____	_____	_____	_____	_____
P15 _____	_____	_____	_____	_____	_____	_____	_____
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 12174

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

Elevation 1305 K.B Formation K.C. Eff. Pay Ft.

District Augusta Date 7-8-81 Customer Order No.

COMPANY NAME Robinson Oil Company Int. 737

ADDRESS 300 W Douglas Wichita, KS. 67202

LEASE AND WELL NO. Smith A-1 COUNTY SUMNER STATE KS Sec. 4 Twp. 30 Rge. 2W

Mail Invoice To Co. Name Address No. Copies Requested

Mail Charts To Co. Name Address No. Copies Requested

Formation Test No. 2 Interval Tested from 3007 ft. to 3028 ft. Total Depth 3028 ft.

Packer Depth 3007 ft. Size 6 3/4 in. Packer Depth 3002 ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3020 ft. Recorder Number 13240 Cap. 4500

Bottom Recorder Depth (Outside) 3025 ft. Recorder Number 11018 Cap. 4425

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor R.R.D. Drill Collar Length 432' I. D. 2.25 in.

Mud Type Chemical Viscosity 42 Weight Pipe Length I. D. in.

Weight 9.2 Water Loss 20.0 cc. Drill Pipe Length 2554 I. D. 3.25 in.

Chlorides 3000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.

Jars: Make NO Serial Number Anchor Length 21 ft. Size 5 1/2 in.

Did Well Flow? NO 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 x 1 1/2 in.

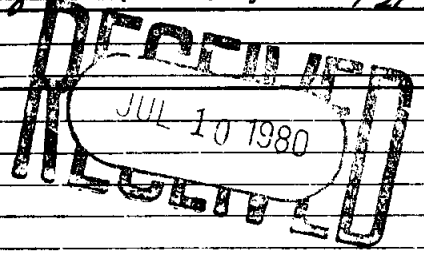
Blow: Weak Building TO STRONG THRU-OUT TEST

Recovered 990 ft. of Gas in Pipe

Recovered 65 ft. of Heavy Oil & GAS Cut Mud

Recovered 60 ft. of Oil

Remarks:



Time On Location 6:00 AM. Time Pick Up Tool 9:15 AM. Time Off Location 5:20 AM.

Time Set Packer(s) 11:13 AM. Time Started Off Bottom 2:27 AM. Maximum Temperature 108

Initial Hydrostatic Pressure (A) 1495 P.S.I.

Initial Flow Period Minutes 30 (B) 45 P.S.I. to (C) 56 P.S.I.

Initial Closed In Period Minutes 45 (D) 693 P.S.I.

Final Flow Period Minutes 60 (E) 68 P.S.I. to (F) 79 P.S.I.

Final Closed In Period Minutes 60 (G) 704 P.S.I.

Final Hydrostatic Pressure (H) 1439 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 Robert M. O'Connell Signature of Customer or his authorized representative

Western Representative James Ricketts Thank You.

FIELD INVOICE

Table with 2 columns: Item and Amount. Includes Open Hole Test (\$625.00), Mileage (44 \$33.00), and TOTAL (\$658.00).

WESTERN TESTING CO., INC.

Pressure Data

Date 7-8 Recorder No. 13240 Capacity 4500 Test Ticket No. 12174
 Location 3020 F
 Clock No. Elevation 1305 KB Well Temperature 108

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1484</u> P.S.I.		<u>11:13 P.M.</u>	
B First Initial Flow Pressure	<u>52</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>30</u> Min
C First Final Flow Pressure	<u>60</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins	<u>45</u> Min
D Initial Closed-in Pressure	<u>684</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins	<u>60</u> Min
E Second Initial Flow Pressure	<u>70</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins	<u>60</u> Min
F Second Final Flow Pressure	<u>86</u> P.S.I.			
G Final Closed-in Pressure	<u>699</u> P.S.I.			
H Final Hydrostatic Mud	<u>1439</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

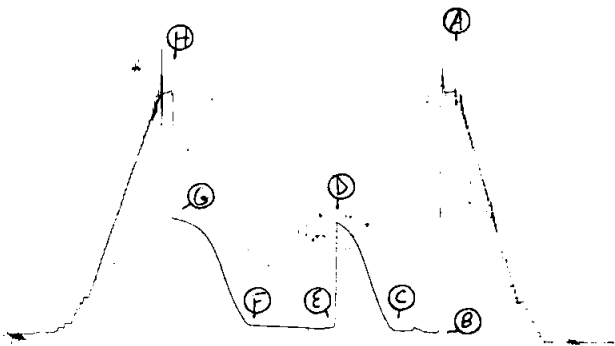
Initial Shut-In
 Breakdown: 15 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

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

Final Shut-In
 Breakdown: 20 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 0	<u>52</u>	0	<u>60</u>	0	<u>70</u>	0	<u>86</u>
P 2 5	<u>52</u>	3	<u>66</u>	5	<u>70</u>	3	<u>95</u>
P 3 10	<u>57</u>	6	<u>82</u>	10	<u>70</u>	6	<u>132</u>
P 4 15	<u>72</u>	9	<u>127</u>	15	<u>72</u>	9	<u>173</u>
P 5 20	<u>61</u>	12	<u>177</u>	20	<u>74</u>	12	<u>216</u>
P 6 25	<u>60</u>	15	<u>232</u>	25	<u>76</u>	15	<u>268</u>
P 7 30	<u>60</u>	18	<u>295</u>	30	<u>77</u>	18	<u>334</u>
P 8 35		21	<u>361</u>	35	<u>79</u>	21	<u>395</u>
P 9 40		24	<u>432</u>	40	<u>81</u>	24	<u>459</u>
P10 45		27	<u>493</u>	45	<u>82</u>	27	<u>511</u>
P11 50		30	<u>548</u>	50	<u>84</u>	30	<u>557</u>
P12 55		33	<u>591</u>	55	<u>85</u>	33	<u>598</u>
P13 60		36	<u>625</u>	60	<u>86</u>	36	<u>618</u>
P14		39	<u>652</u>	65		39	<u>641</u>
P15		42	<u>668</u>	70		42	<u>657</u>
P16		45	<u>684</u>	75		45	<u>668</u>
P17		48		80		48	<u>680</u>
P18		51		85		51	<u>686</u>
P19		54		90		54	<u>693</u>
P20		57				57	<u>697</u>
		60				60	<u>699</u>

TKT # 12174
I



Company Robinson Oil Company Lease & Well No. Smith "A" #1
 Elevation 1305 Kelly Bushing Kansas City Effective Pay - Ft. Ticket No. 12174
 Date 7/8/81 Sec. 4 Twp. 30S Range 2W County Sumner State Kansas
 Test Approved by Robert E. McCann Western Representative James Ricketts

Formation Test No. 2 Interval Tested from 3007 ft. to 3028 ft. Total Depth 3028 ft.
 Packer Depth 3007 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 3002 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3020 ft. Recorder Number 13240 Cap. 4500
 Bottom Recorder Depth (Outside) 3025 ft. Recorder Number 11018 Cap. 4425
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor R. R. A. Drilling Rig #1 Drill Collar Length 432 D. 2.25 in.
 Mud Type chemical Viscosity 42 Weight Pipe Length - I. D. - in.
 Weight 9.2 Water Loss 20.0 cc. Drill Pipe Length 2554 I. D. 3.25 in.
 Chlorides 3,000 P.P.M. Test Tool Length 21 ft. Tool Size 5 1/2 in.
 Jars: Make No Serial Number - Anchor Length 21 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out - Surface Choke Size 3/4 in. Bottom Choke Size 3/34 in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in.

Blow: Weak building to strong throughout test.

Recovered 990 ft. of gas in pipe
 Recovered 65 ft. of heavy oil and gas cut mud
 Recovered 60 ft. of oil
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 11:12 ~~A.M.~~ P.M. Time Started Off Bottom 2:27 A.M. P.M. Maximum Temperature 108°
 Initial Hydrostatic Pressure (A) 1484 P.S.I.
 Initial Flow Period Minutes 30 (B) 52 P.S.I. to (C) 60 P.S.I.
 Initial Closed In Period Minutes 45 (D) 684 P.S.I.
 Final Flow Period Minutes 60 (E) 70 P.S.I. to (F) 86 P.S.I.
 Final Closed In Period Minutes 60 (G) 699 P.S.I.
 Final Hydrostatic Pressure (H) 1439 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7/8/81 Test Ticket No. 12174
 Recorder No. 13240 Capacity 4500 Location 3020 Ft.
 Clock No. -- Elevation 1305 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1484	P.S.I.	11:13P	M
B First Initial Flow Pressure	52	P.S.I.	30	30
C First Final Flow Pressure	60	P.S.I.	45	45
D Initial Closed-in Pressure	684	P.S.I.	60	60
E Second Initial Flow Pressure	70	P.S.I.	60	60
F Second Final Flow Pressure	86	P.S.I.		
G Final Closed-in Pressure	699	P.S.I.		
H Final Hydrostatic Mud	1439	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>15</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point	Mins.	Press.	Point	Minutes	Press.	Point	Minutes	Press.
P 1	0	52	0	0	60	0	0	86
P 2	5	52	3	3	66	3	3	95
P 3	10	57	6	6	82	6	6	132
P 4	15	72	9	9	127	9	9	173
P 5	20	61	12	12	177	12	12	216
P 6	25	60	15	15	232	15	15	268
P 7	30	60	18	18	295	18	18	334
P 8			21	21	361	21	21	395
P 9			24	24	432	24	24	459
P10			27	27	493	27	27	511
P11			30	30	548	30	30	557
P12			33	33	591	33	33	598
P13			36	36	625	36	36	618
P14			39	39	652	39	39	641
P15			42	42	668	42	42	657
P16			45	45	684	45	45	668
P17						48	48	680
P18						51	51	686
P19						54	54	693
P20						57	57	697
						60	60	699