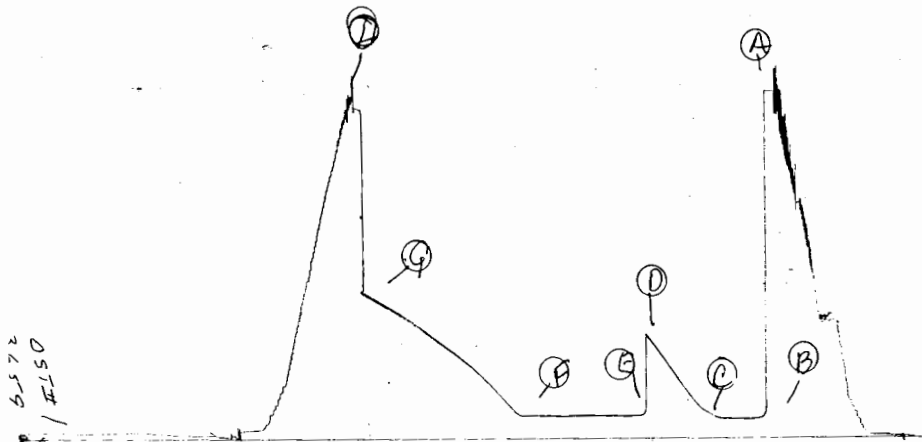
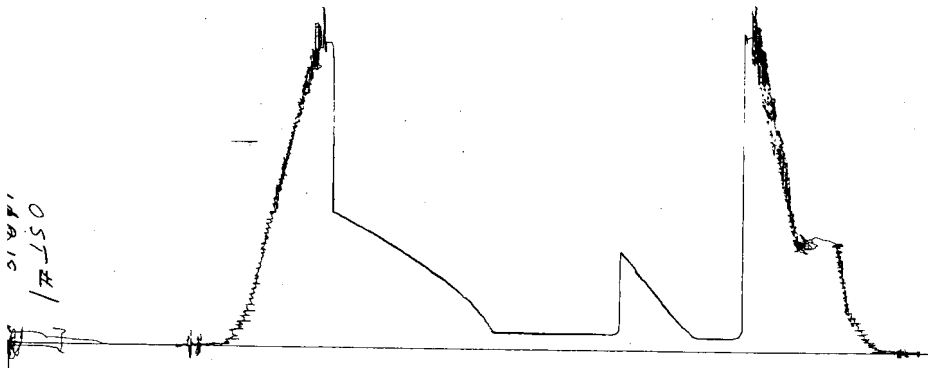


TK-# 19065

I.



TKL# 19065
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P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 19065

Elevation 1666 GL
1675 KB Formation Miss Eff. Pay - Ft.

District GT. Bend Date 6-29-93 Customer Order No. -

COMPANY NAME Galloway Petroleum Explor., Inc.

ADDRESS 360 Broadway Plaza Bldg. Wichita, KS 67202

LEASE AND WELL NO. Medsker A'41-14 COUNTY Reno STATE KS Sec. 14 Twp. 25 Rge. 9W

Mail Invoice To Same Co. Name #1-14 Medsker A No. Copies Requested Reg

Mail Charts To Same Address - No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 3800 ft. to 3855 ft. Total Depth 3855 ft.

Packer Depth 3795 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.

Packer Depth 3800 ft. Size 6 7/8 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 3847 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3850 ft. Recorder Number 11018 Cap. 4425

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

Drilling Contractor Stirling rig 4 Drill Collar Length 425 I. D. 2.2 in.

Mud Type Chemical Viscosity 80 Weight Pipe Length - I. D. - in.

Weight 8.7 Water Loss 6.8 cc. Drill Pipe Length 3355 I. D. 3.8 in.

Chlorides 2500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make - Serial Number - Anchor Length 55 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 H in.

Blow: IF - WPAK building to a strong blow in 9 min.
FF - STRONG BLOW in 2 min

Recovered 960 ft. of GAS in Pipe

Recovered 120 ft. of Mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Chlorides - P.P.M. Sample Jars used 2 Remarks: -

Time On Location 9:00 A.M. Time Pick Up Tool 9:45 A.M. Time Off Location 6:30 A.M.

Time Set Packer(s) 11:10 A.M. Time Started Off Bottom 4:10 A.M. Maximum Temperature 123°

Initial Hydrostatic Pressure - (A) 1802 P.S.I.

Initial Flow Period 30 Minutes (B) 91 P.S.I. to (C) 91 P.S.I.

Initial Closed In Period 60 Minutes (D) 539 P.S.I.

Final Flow Period 90 Minutes (E) 112 P.S.I. to (F) 112 P.S.I.

Final Closed In Period 120 Minutes (G) 758 P.S.I.

Final Hydrostatic Pressure - (H) 1773 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 Ray Schwager
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 6-29-93

Test Ticker No. 19065

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1800</u>	P.S.I.			M
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	<u>30</u> Mins.	Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	<u>90</u> Mins.	Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud <u>1771</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 <u>0</u>	<u>106</u>	<u>0</u>	<u>107</u>	<u>0</u>	<u>116</u>	<u>0</u>	<u>116</u>
P 2 <u>5</u>	<u>106</u>	<u>3</u>	<u>110</u>	<u>5</u>		<u>3</u>	<u>118</u>
P 3 <u>10</u>	<u>106</u>	<u>6</u>	<u>114</u>	<u>10</u>		<u>6</u>	<u>128</u>
P 4 <u>15</u>	<u>106</u>	<u>9</u>	<u>120</u>	<u>15</u>		<u>9</u>	<u>151</u>
P 5 <u>20</u>	<u>107</u>	<u>12</u>	<u>127</u>	<u>20</u>		<u>12</u>	<u>167</u>
P 6 <u>25</u>	<u>107</u>	<u>15</u>	<u>140</u>	<u>25</u>		<u>15</u>	<u>191</u>
P 7 <u>30</u>	<u>107</u>	<u>18</u>	<u>155</u>	<u>30</u>		<u>18</u>	<u>216</u>
P 8 <u>35</u>		<u>21</u>	<u>173</u>	<u>35</u>		<u>21</u>	<u>238</u>
P 9 <u>40</u>		<u>24</u>	<u>202</u>	<u>40</u>		<u>24</u>	<u>261</u>
P10 <u>45</u>		<u>27</u>	<u>224</u>	<u>45</u>		<u>27</u>	<u>281</u>
P11 <u>50</u>		<u>30</u>	<u>255</u>	<u>50</u>		<u>30</u>	<u>304</u>
P12 <u>55</u>		<u>33</u>	<u>285</u>	<u>55</u>		<u>33</u>	<u>326</u>
P13 <u>60</u>		<u>36</u>	<u>312</u>	<u>60</u>		<u>36</u>	<u>346</u>
P14 <u>65</u>		<u>39</u>	<u>344</u>	<u>65</u>		<u>39</u>	<u>367</u>
P15 <u>70</u>		<u>42</u>	<u>373</u>	<u>70</u>		<u>42</u>	<u>381</u>
P16 <u>75</u>		<u>45</u>	<u>404</u>	<u>75</u>		<u>45</u>	<u>400</u>
P17 <u>80</u>		<u>48</u>	<u>436</u>	<u>80</u>		<u>48</u>	<u>418</u>
P18 <u>85</u>		<u>51</u>	<u>471</u>	<u>85</u>		<u>51</u>	<u>434</u>
P19 <u>90</u>		<u>54</u>	<u>493</u>	<u>90</u>	<u>116</u>	<u>54</u>	<u>451</u>
P20 <u>95</u>		<u>57</u>	<u>519</u>	<u>95</u>		<u>57</u>	<u>469</u>
<u>100</u>		<u>60</u>	<u>549</u>	<u>100</u>		<u>60</u>	<u>483</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 19065

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____ 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 _____ 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 <u>105</u>		<u>63</u>		<u>105</u>		<u>63</u>	<u>497</u>
P 2 <u>110</u>		<u>66</u>		<u>110</u>		<u>66</u>	<u>513</u>
P 3 <u>115</u>		<u>69</u>		<u>115</u>		<u>69</u>	<u>527</u>
P 4 <u>120</u>		<u>72</u>		<u>120</u>		<u>72</u>	<u>549</u>
P 5 <u>125</u>		<u>75</u>		<u>125</u>		<u>75</u>	<u>561</u>
P 6 <u>130</u>		<u>78</u>		<u>130</u>		<u>78</u>	<u>575</u>
P 7 <u>135</u>		<u>81</u>		<u>135</u>		<u>81</u>	<u>589</u>
P 8 <u>140</u>		<u>84</u>		<u>140</u>		<u>84</u>	<u>607</u>
P 9 <u>145</u>		<u>87</u>		<u>145</u>		<u>87</u>	<u>621</u>
P10 <u>150</u>		<u>90</u>		<u>150</u>		<u>90</u>	<u>633</u>
P11 <u>155</u>		<u>93</u>		<u>155</u>		<u>93</u>	<u>647</u>
P12 <u>160</u>		<u>96</u>		<u>160</u>		<u>96</u>	<u>661</u>
P13 <u>165</u>		<u>99</u>		<u>165</u>		<u>99</u>	<u>673</u>
P14 <u>170</u>		<u>102</u>		<u>170</u>		<u>102</u>	<u>685</u>
P15 <u>175</u>		<u>105</u>		<u>175</u>		<u>105</u>	<u>699</u>
P16 <u>180</u>		<u>108</u>		<u>180</u>		<u>108</u>	<u>709</u>
P17 <u>185</u>		<u>111</u>		<u>185</u>		<u>111</u>	<u>721</u>
P18 <u>190</u>		<u>114</u>		<u>190</u>		<u>114</u>	<u>735</u>
P19 <u>195</u>		<u>117</u>		<u>195</u>		<u>117</u>	<u>747</u>
P20 <u>200</u>		<u>120</u>		<u>200</u>		<u>120</u>	<u>758</u>

DST REPORT

GENERAL INFORMATION

DATE	: 06-29-93	TICKET	: 19065
CUSTOMER	: GALLOWAY PETROLEUM EXPLOR	LEASE	: MEDSKER "A"
WELL	: #1-14 TEST: 1	GEOLOGIST	: CASEY GALLOWAY
ELEVATION	: 1666 G.L.	FORMATION	: MISSISSIPPI
SECTION	: 14	TOWNSHIP	: 25S
RANGE	: 9W	STATE	: KS
GAUGE SN#	: 3659	CLOCK	: 12
COUNTY	: RENO		
RANGE	: 4000		

WELL INFORMATION

PERFORATION INTERVAL FROM:	3800.00 ft	TO:	3855.00 ft	TVD:	3855.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3847.0 ft		3850.0 ft		
TEMPERATURE:	123.0				
DRILL COLLAR LENGTH:	425.0 ft	I.D.:	2.200 in		
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in		
DRILL PIPE LENGTH :	3355.0 ft	I.D.:	3.800 in		
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in		
ANCHOR LENGTH :	55.0 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:	3795.0 ft	SIZE:	6.630 in		
PACKER DEPTH:	3800.0 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. :	STERLING #4	VISCOSITY :	80.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	6.800 cc
WEIGHT :	8.700 ppg	SERIAL NUMBER:	
CHLORIDES :	2500 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

WEAK BLOW BUILDING TO A STRONG BLOW IN 9 MINUTES
ON INITIAL FLOW PERIOD. STRONG BLOW IN 2 MINUTES
ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
120.0	0.0	0.0	0.0	100.0	MUD
0.0	0.0	0.0	0.0	0.0	960' GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0000	STB		
GAS VOLUME:	0.0000	SCF		
MUD VOLUME:	0.5642	STB		
WATER VOLUME:	0.0000	STB		
TOTAL FLUID :	0.5642	STB		
			TOTAL FLOW TIME:	120.0000 min.
			AVERAGE OIL RATE:	0.0000 STB/D
			AVERAGE WATER RATE:	0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1802.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	91.00	91.00
INITIAL SHUT-IN	60.00		539.00
FINAL FLOW	90.00	112.00	112.00
FINAL SHUT-IN	12.00		758.00

FINAL HYDROSTATIC PRESSURE: 1773.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1800.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	107.00
INITIAL SHUT-IN	60.00		549.00
FINAL FLOW	90.00	116.00	116.00
FINAL SHUT-IN	120.00		758.00

FINAL HYDROSTATIC PRESSURE: 1771.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 06-29-93	TICKET : 19065
CUSTOMER : GALLOWAY PETROLEUM EXPLOR	LEASE : MEDSKER "A"
WELL : #1-14 TEST: 1	GEOLOGIST: CASEY GALLOWAY
ELEVATION: 1666 G.L.	FORMATION: MISSISSIPPI
SECTION : 14	TOWNSHIP : 25S
RANGE : 9W	STATE : KS
GAUGE SN#: 3659	CLOCK : 12
COUNTY: RENO	
RANGE : 4000	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	106.00	106.00
5.00	106.00	0.00
10.00	106.00	0.00
15.00	106.00	0.00
20.00	107.00	1.00
25.00	107.00	0.00
30.00	107.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	110.00	110.00	0.00
6.00	114.00	4.00	0.00
9.00	120.00	6.00	0.00
12.00	127.00	7.00	0.00
15.00	140.00	13.00	0.00
18.00	155.00	15.00	0.00
21.00	173.00	18.00	0.00
24.00	202.00	29.00	0.00
27.00	224.00	22.00	0.00
30.00	255.00	31.00	0.00
33.00	285.00	30.00	0.00
36.00	312.00	27.00	0.00
39.00	344.00	32.00	0.00
42.00	373.00	29.00	0.00
45.00	404.00	31.00	0.00
48.00	436.00	32.00	0.00
51.00	471.00	35.00	0.00
54.00	493.00	22.00	0.00
57.00	519.00	26.00	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>
60.00	549.00	30.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	116.00	116.00
5.00	116.00	0.00
10.00	116.00	0.00
15.00	116.00	0.00
20.00	116.00	0.00
25.00	116.00	0.00
30.00	116.00	0.00
35.00	116.00	0.00
40.00	116.00	0.00
45.00	116.00	0.00
50.00	116.00	0.00
55.00	116.00	0.00
60.00	116.00	0.00
65.00	116.00	0.00
70.00	116.00	0.00
75.00	116.00	0.00
80.00	116.00	0.00
85.00	116.00	0.00
90.00	116.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	118.00	118.00	0.00
6.00	128.00	10.00	0.00
9.00	151.00	23.00	0.00
12.00	167.00	16.00	0.00
15.00	191.00	24.00	0.00
18.00	216.00	25.00	0.00
21.00	238.00	22.00	0.00
24.00	261.00	23.00	0.00
27.00	281.00	20.00	0.00
30.00	304.00	23.00	0.00

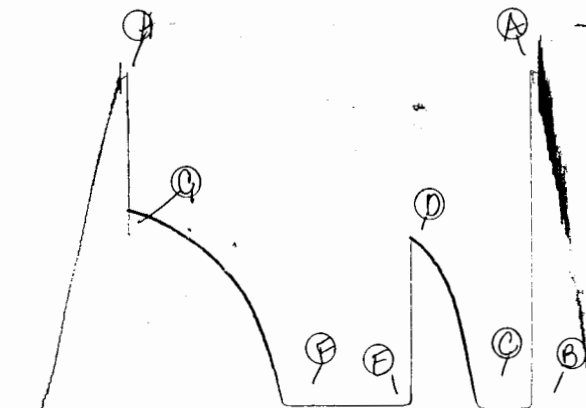
PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time</u> <u>(min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
33.00	326.00	22.00	0.00
36.00	346.00	20.00	0.00
39.00	367.00	21.00	0.00
42.00	381.00	14.00	0.00
45.00	400.00	19.00	0.00
48.00	418.00	18.00	0.00
51.00	434.00	16.00	0.00
54.00	451.00	17.00	0.00
57.00	469.00	18.00	0.00
60.00	483.00	14.00	0.00
63.00	497.00	14.00	0.00
66.00	513.00	16.00	0.00
69.00	527.00	14.00	0.00
72.00	549.00	22.00	0.00
75.00	561.00	12.00	0.00
78.00	575.00	14.00	0.00
81.00	589.00	14.00	0.00
84.00	607.00	18.00	0.00
87.00	621.00	14.00	0.00
90.00	633.00	12.00	0.00
93.00	647.00	14.00	0.00
96.00	661.00	14.00	0.00
99.00	673.00	12.00	0.00
102.00	685.00	12.00	0.00
105.00	699.00	14.00	0.00
108.00	709.00	10.00	0.00
111.00	721.00	12.00	0.00
114.00	735.00	14.00	0.00
117.00	747.00	12.00	0.00
120.00	758.00	11.00	0.00

TKT# 19066
I.

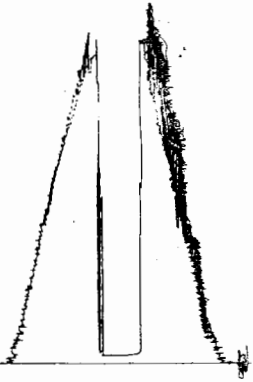
DST#
3659



TK-# 19066

Q.

OSTH
11/18





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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

Nº 19066

Elevation 1666 GL
1675 KB Formation Miss Eff. Pay — Ft.

District GT. Bend Date 6-30-93 Customer Order No. —

COMPANY NAME Galloway Petroleum Explor., Inc

ADDRESS 360 Broadway Plaza Bldg. Wichita, KS 67202

LEASE AND WELL NO Medsker "A" #1-14 COUNTY Peno STATE Ks Sec. 14 Twp. 25S Rge. 9W

Mail Invoice To Same Co. Name Medsker "A" #1-14 Address — No. Copies Requested Reg

Mail Charts To Same Address — No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 3855 ft. to 3865 ft. Total Depth 3865 ft.

Packer Depth 3850 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 3855 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3859 ft. Recorder Number 3659 Cap. 4000

Bottom Recorder Depth (Outside) 3862 ft. Recorder Number 11018 Cap. 4425

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

Drilling Contractor Sterling rig Drill Collar Length 425 I. D. 2.2 in.

Mud Type Chemical Viscosity 78 Weight Pipe Length — I. D. — in.

Weight 8.6 Water Loss 2.2 cc. Drill Pipe Length 3410 I. D. 3.8 in.

Chlorides 5500 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 10 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 1 1/2 in.

Blow: IF - WEAR building Blow 1/4" To 2" Blow

FF - WEAR building to a strong Blow in 40 min.

Recovered 540 ft. of GAS in Pipe

Recovered 60 ft. of Slightly oil cut mud 5% oil 95% mud

Recovered 60 ft. of Muddy WATER 10% mud 90% WATER

Recovered — ft. of w/ show of oil

Recovered — ft. of —

Chlorides 71000 P.P.M. Sample Jars used 2 Remarks: —

Time On Location 7:45 A.M. Time Pick Up Tool 11:00 P.M. Time Off Location — A.M.

Time Set Packer(s) 12:10 P.M. Time Started Off Bottom 5:10 P.M. Maximum Temperature 123°

Initial Hydrostatic Pressure — (A) 1812 P.S.I.

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

Initial Closed In Period — Minutes 60 (D) 978 P.S.I.

Final Flow Period — Minutes 80 (E) 91 P.S.I. to (F) 91 P.S.I.

Final Closed In Period — Minutes 120 (G) 1107 P.S.I.

Final Hydrostatic Pressure — (H) 1792 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 Ray Schwager 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 6-30-93

Test Ticket No. 19066

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud <u>1807</u>	P.S.I.			
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure _____	P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure _____	P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure _____	P.S.I.			
G Final Closed-in Pressure _____	P.S.I.			
H Final Hydrostatic Mud <u>1791</u>	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: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>71</u>	<u>0</u>	<u>71</u>	<u>0</u>	<u>92</u>	<u>0</u>	<u>92</u>
P 2 <u>5</u>		<u>3</u>	<u>71</u>	<u>5</u>	<u>92</u>	<u>3</u>	<u>94</u>
P 3 <u>10</u>		<u>6</u>	<u>76</u>	<u>10</u>		<u>6</u>	<u>157</u>
P 4 <u>15</u>		<u>9</u>	<u>92</u>	<u>15</u>		<u>9</u>	<u>243</u>
P 5 <u>20</u>		<u>12</u>	<u>153</u>	<u>20</u>		<u>12</u>	<u>302</u>
P 6 <u>25</u>		<u>15</u>	<u>265</u>	<u>25</u>		<u>15</u>	<u>365</u>
P 7 <u>30</u>	<u>71</u>	<u>18</u>	<u>363</u>	<u>30</u>		<u>18</u>	<u>430</u>
P 8 <u>35</u>		<u>21</u>	<u>483</u>	<u>35</u>		<u>21</u>	<u>483</u>
P 9 <u>40</u>		<u>24</u>	<u>571</u>	<u>40</u>		<u>24</u>	<u>537</u>
P10 <u>45</u>		<u>27</u>	<u>637</u>	<u>45</u>		<u>27</u>	<u>583</u>
P11 <u>50</u>		<u>30</u>	<u>685</u>	<u>50</u>		<u>30</u>	<u>629</u>
P12 <u>55</u>		<u>33</u>	<u>739</u>	<u>55</u>		<u>33</u>	<u>665</u>
P13 <u>60</u>		<u>36</u>	<u>774</u>	<u>60</u>		<u>36</u>	<u>695</u>
P14 <u>65</u>		<u>39</u>	<u>810</u>	<u>65</u>		<u>39</u>	<u>717</u>
P15 <u>70</u>		<u>42</u>	<u>842</u>	<u>70</u>		<u>42</u>	<u>754</u>
P16 <u>75</u>		<u>45</u>	<u>872</u>	<u>75</u>		<u>45</u>	<u>770</u>
P17 <u>80</u>		<u>48</u>	<u>896</u>	<u>80</u>		<u>48</u>	<u>798</u>
P18 <u>85</u>		<u>51</u>	<u>918</u>	<u>85</u>		<u>51</u>	<u>822</u>
P19 <u>90</u>		<u>54</u>	<u>936</u>	<u>90</u>	<u>92</u>	<u>54</u>	<u>842</u>
P20 <u>95</u>		<u>57</u>	<u>950</u>	<u>95</u>		<u>57</u>	<u>862</u>
<u>100</u>		<u>60</u>	<u>968</u>	<u>100</u>		<u>60</u>	<u>882</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 19066

Recorder No. _____ Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F _____

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	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 _____	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 <u>105</u>		<u>63</u>		<u>105</u>		<u>63</u>	<u>904</u>
P 2 <u>110</u>		<u>66</u>		<u>110</u>		<u>66</u>	<u>920</u>
P 3 <u>115</u>		<u>69</u>		<u>115</u>		<u>69</u>	<u>934</u>
P 4 <u>120</u>		<u>72</u>		<u>120</u>		<u>72</u>	<u>948</u>
P 5 <u>125</u>		<u>75</u>		<u>125</u>		<u>75</u>	<u>964</u>
P 6 <u>130</u>		<u>78</u>		<u>130</u>		<u>78</u>	<u>978</u>
P 7 <u>135</u>		<u>81</u>		<u>135</u>		<u>81</u>	<u>988</u>
P 8 <u>140</u>		<u>84</u>		<u>140</u>		<u>84</u>	<u>1005</u>
P 9 <u>145</u>		<u>87</u>		<u>145</u>		<u>87</u>	<u>1015</u>
P10 <u>150</u>		<u>90</u>		<u>150</u>		<u>90</u>	<u>1027</u>
P11 <u>155</u>		<u>93</u>		<u>155</u>		<u>93</u>	<u>1037</u>
P12 <u>160</u>		<u>96</u>		<u>160</u>		<u>96</u>	<u>1047</u>
P13 <u>165</u>		<u>99</u>		<u>165</u>		<u>99</u>	<u>1059</u>
P14 <u>170</u>		<u>102</u>		<u>170</u>		<u>102</u>	<u>1069</u>
P15 <u>175</u>		<u>105</u>		<u>175</u>		<u>105</u>	<u>1077</u>
P16 <u>180</u>		<u>108</u>		<u>180</u>		<u>108</u>	<u>1083</u>
P17 <u>185</u>		<u>111</u>		<u>185</u>		<u>111</u>	<u>1094</u>
P18 <u>190</u>		<u>114</u>		<u>190</u>		<u>114</u>	<u>1097</u>
P19 <u>195</u>		<u>117</u>		<u>195</u>		<u>117</u>	<u>1105</u>
P20 <u>200</u>		<u>120</u>		<u>200</u>		<u>120</u>	<u>1110</u>

DST REPORT

GENERAL INFORMATION

DATE : 6-30-93
CUSTOMER : GALLOWAY PETROLEUM EXPLOR
WELL : #1-14 TEST: 2
ELEVATION: 1666 G.L.
SECTION : 14
RANGE : 9W COUNTY: RENO
GAUGE SN#: 3659 RANGE : 4000

TICKET : 19066
LEASE : MEDSKER "A"
GEOLOGIST: CASEY GALLOWAY
FORMATION: MISSISSIPPI
TOWNSHIP : 25S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 3855.00 ft TO: 3865.00 ft TVD: 3865.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 3859.0 ft 3862.0 ft
TEMPERATURE: 123.0

DRILL COLLAR LENGTH:	425.0 ft	I.D.:	2.200 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3410.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	10.0 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:	3850.0 ft	SIZE:	6.630 in
PACKER DEPTH:	3855.0 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. : STERLING #4
MUD TYPE : CHEMICAL
WEIGHT : 8.600 ppG
CHLORIDES : 5500 ppm
JARS-MAKE :
DID WELL FLOW?: NO

VISCOSITY : 78.00 cp
WATER LOSS: 7.200 cc

SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

WEAK BUILDING BLOW .25 TO 2" IN BUCKET ON INITIAL
FLOW PERIOD. WEAK BLOW BUILDING TO A STRONG BLOW
IN 40 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	5.0	0.0	0.0	95.0	SLI. OIL CUT MUD
60.0	0.0	0.0	90.0	10.0	MUDDY WATER W/SHOW OF OIL
0.0	0.0	0.0	0.0	0.0	540' OF GAS ABOVE FLUID
0.0	0.0	0.0	0.0	0.0	CHLORIDES 71000 PPM

RATE INFORMATION

OIL VOLUME:	0.0141 STB	
GAS VOLUME:	0.0000 SCF	
MUD VOLUME:	0.2962 STB	
WATER VOLUME:	0.2539 STB	
TOTAL FLUID :	0.5642 STB	
		TOTAL FLOW TIME: 120.0000 min.
		AVERAGE OIL RATE: 3.3850 STB/D
		AVERAGE WATER RATE: 3.3850 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1812.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	60.00		978.00
FINAL FLOW	90.00	91.00	91.00
FINAL SHUT-IN	120.00		1107.00

FINAL HYDROSTATIC PRESSURE: 1792.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1807.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	71.00	71.00
INITIAL SHUT-IN	60.00		968.00
FINAL FLOW	90.00	92.00	92.00
FINAL SHUT-IN	120.00		1110.00

FINAL HYDROSTATIC PRESSURE: 1791.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 6-30-93	TICKET : 19066
CUSTOMER : GALLOWAY PETROLEUM EXPLOR	LEASE : MEDSKER "A"
WELL : #1-14 TEST: 2	GEOLOGIST: CASEY GALLOWAY
ELEVATION: 1666 G.L.	FORMATION: MISSISSIPPI
SECTION : 14	TOWNSHIP : 25S
RANGE : 9W	STATE : KS
GAUGE SN#: 3659	CLOCK : 12
COUNTY: RENO	
RANGE : 4000	

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	71.00	71.00
5.00	71.00	0.00
10.00	71.00	0.00
15.00	71.00	0.00
20.00	71.00	0.00
25.00	71.00	0.00
30.00	71.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	71.00	71.00	0.00
6.00	76.00	5.00	0.00
9.00	92.00	16.00	0.00
12.00	153.00	61.00	0.00
15.00	265.00	112.00	0.00
18.00	363.00	98.00	0.00
21.00	483.00	120.00	0.00
24.00	571.00	88.00	0.00
27.00	637.00	66.00	0.00
30.00	685.00	48.00	0.00
33.00	739.00	54.00	0.00
36.00	774.00	35.00	0.00
39.00	810.00	36.00	0.00
42.00	842.00	32.00	0.00
45.00	872.00	30.00	0.00
48.00	896.00	24.00	0.00
51.00	918.00	22.00	0.00
54.00	936.00	18.00	0.00
57.00	950.00	14.00	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>
60.00	968.00	18.00	0.00

FINAL 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
65.00	92.00	0.00
70.00	92.00	0.00
75.00	92.00	0.00
80.00	92.00	0.00
85.00	92.00	0.00
90.00	92.00	0.00

FINAL 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	157.00	63.00	0.00
9.00	243.00	86.00	0.00
12.00	302.00	59.00	0.00
15.00	365.00	63.00	0.00
18.00	430.00	65.00	0.00
21.00	483.00	53.00	0.00
24.00	537.00	54.00	0.00
27.00	583.00	46.00	0.00
30.00	629.00	46.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

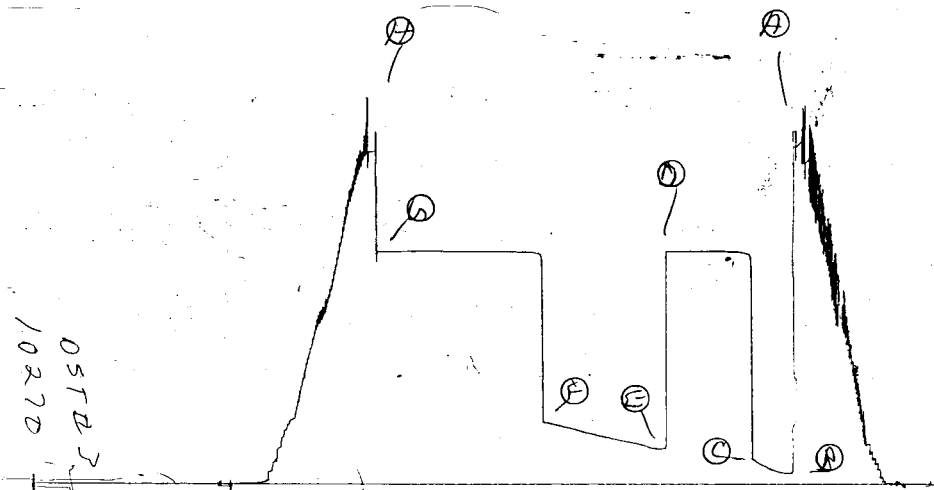
FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
33.00	665.00	36.00	0.00
36.00	695.00	30.00	0.00
39.00	717.00	22.00	0.00
42.00	754.00	37.00	0.00
45.00	770.00	16.00	0.00
48.00	798.00	28.00	0.00
51.00	822.00	24.00	0.00
54.00	842.00	20.00	0.00
57.00	862.00	20.00	0.00
60.00	882.00	20.00	0.00
63.00	904.00	22.00	0.00
66.00	920.00	16.00	0.00
69.00	934.00	14.00	0.00
72.00	948.00	14.00	0.00
75.00	964.00	16.00	0.00
78.00	978.00	14.00	0.00
81.00	988.00	10.00	0.00
84.00	1005.00	17.00	0.00
87.00	1015.00	10.00	0.00
90.00	1027.00	12.00	0.00
93.00	1037.00	10.00	0.00
96.00	1047.00	10.00	0.00
99.00	1059.00	12.00	0.00
102.00	1069.00	10.00	0.00
105.00	1077.00	8.00	0.00
108.00	1083.00	6.00	0.00
111.00	1094.00	11.00	0.00
114.00	1097.00	3.00	0.00
117.00	1105.00	8.00	0.00
120.00	1110.00	5.00	0.00

7K+18927

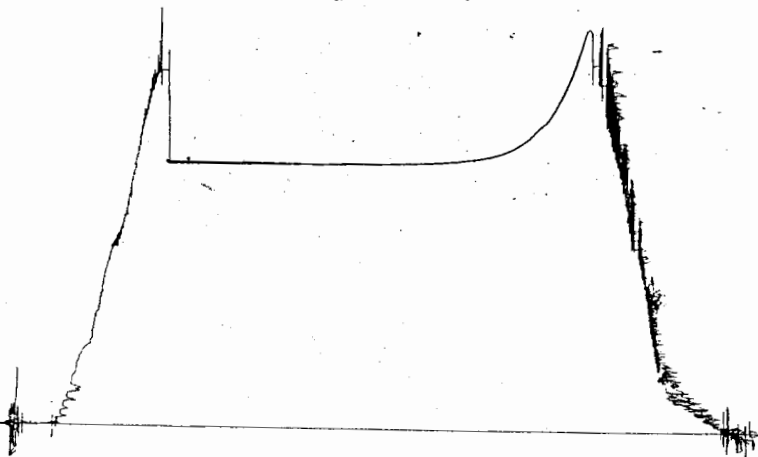
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OSTD
10270



JK 18927

Below Saddle

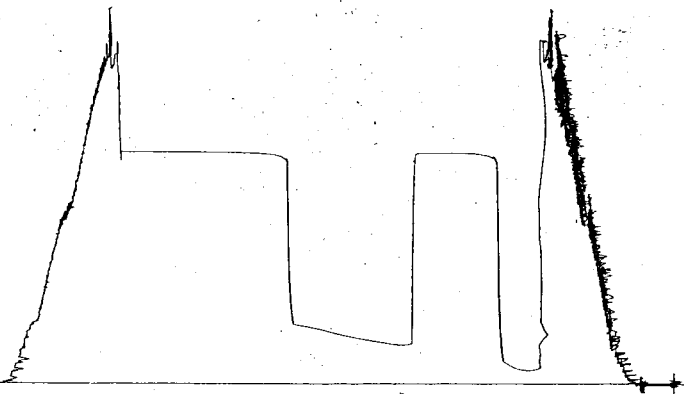


057113

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057#3
13552





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

WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET

No 18937

Elevation 1666 GL 1675 RB Formation Miss Eff. Pay — Ft.

District GT. Bend Date 7-1-93 Customer Order No. —

COMPANY NAME Galloway Petroleum Explor., Inc.

ADDRESS 360 BROADWAY PLAZA Bldg. WICHITA, KS 67202

LEASE AND WELL NO. Medsker "A" #1-14 COUNTY Reno STATE Ks Sec. 14 Twp. 25 Rge. 9

Mail Invoice To Same Co. Name #1-14 Medsker A Address — No. Copies Requested Reg

Mail Charts To Same Address — No. Copies Requested Reg

Formation Test No. 3 Interval Tested From 3862 ft. to 3876 ft. Total Depth 3999 ft.

Packer Depth 3857 ft. Size 6 5/8 in. Packer Depth 3876 ft. Size 6 5/8 in.

Packer Depth 3862 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 3864 ft. Recorder Number 10270 Cap. 4150

Bottom Recorder Depth (Outside) 3867 ft. Recorder Number 13550 Cap. 4175

Below Straddle Recorder Depth 3996 ft. Recorder Number 13401 Cap. 4000

Drilling Contractor STERLING rig 4 Drill Collar Length 425 I. D. 2.2 in.

Mud Type Clemical Viscosity 38 Weight Pipe Length — I. D. — in.

Weight 8.6 Water Loss 7.2 cc. Drill Pipe Length 3412 I. D. 3.8 in.

Chlorides 5500 P.P.M. Test Tool Length 25 ft. Tool Size 5 1/2 in.

Jars: Make — Serial Number — Anchor Length 14 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 building To A STRONG Blow in 7 min
FF -

Recovered 345 ft. of GAS in Pipe

Recovered 2 ft. of OIL

Recovered 75 ft. of OIL cut muddy WATER 7% OIL 30% mud 63% WATER

Recovered 600 ft. of WATER

Recovered — ft. of —

Chlorides 89000 P.P.M. Sample Jars used 3 Remarks: —

JUL 07 1993

Time On Location 12:45 AM Time Pick Up Tool 1:30 AM Time Off Location 11:00 AM

Time Set Packer(s) 3:00 AM Time Started Off Bottom 8:00 AM Maximum Temperature 124

Initial Hydrostatic Pressure (A) 1807 P.S.I.

Initial Flow Period (B) 30 Minutes (C) 41 P.S.I. to (D) 124 P.S.I.

Initial Closed In Period (E) 60 Minutes (F) 1246 P.S.I.

Final Flow Period (G) 90 Minutes (H) 166 P.S.I. to (I) 322 P.S.I.

Final Closed In Period (J) 120 Minutes (K) 1246 P.S.I.

Final Hydrostatic Pressure (L) 1725 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 of 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 Ray Schwager
Signature of Customer or his authorized representative

Western Representative

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 7-1-52

Test Ticket No. 18927

Recorder No. 10220

Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1851</u> P.S.I.	_____ M	_____ Mins
B First Initial Flow Pressure	<u>162</u> P.S.I.	_____ Mins	_____ Mins
C First Final Flow Pressure	<u>127</u> P.S.I.	_____ Mins	_____ Mins
D Initial Closed-in Pressure	<u>1262</u> P.S.I.	_____ Mins	_____ Mins
E Second Initial Flow Pressure	<u>194</u> P.S.I.	_____ Mins	_____ Mins
F Second Final Flow Pressure	<u>238</u> P.S.I.	_____ Mins	_____ Mins
G Final Closed-in Pressure	<u>1266</u> P.S.I.	_____ Mins	_____ Mins
H Final Hydrostatic Mud	<u>1794</u> P.S.I.	_____ Mins	_____ Mins

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>162</u>	0	<u>137</u>	0	<u>194</u>	0	<u>238</u>
P 2 5	<u>162</u>	3	<u>1256</u>	5	<u>194</u>	3	<u>1246</u>
P 3 10	<u>167</u>	6	<u>1250</u>	10	<u>194</u>	6	<u>1252</u>
P 4 15	<u>277</u>	9	<u>1255</u>	15	<u>207</u>	9	<u>1255</u>
P 5 20	<u>94</u>	12	<u>1259</u>	20	<u>210</u>	12	<u>1257</u>
P 6 25	<u>110</u>	15	<u>1262</u>	25	<u>218</u>	15	<u>1258</u>
P 7 30	<u>137</u>	18	<u>1262</u>	30	<u>234</u>	18	<u>1259</u>
P 8 35		21	<u>1262</u>	35	<u>242</u>	21	<u>1260</u>
P 9 40		24		40	<u>251</u>	24	<u>1261</u>
P10 45		27		45	<u>262</u>	27	<u>1262</u>
P11 50		30	<u>1262</u>	50	<u>270</u>	30	<u>1262</u>
P12 55		33		55	<u>279</u>	33	
P13 60		36		60	<u>287</u>	36	
P14 65		39		65	<u>298</u>	39	
P15 70		42		70	<u>307</u>	42	
P16 75		45	<u>1262</u>	75	<u>315</u>	45	<u>1262</u>
P17 80		48		80	<u>323</u>	48	
P18 85		51		85	<u>331</u>	51	
P19 90		54		90	<u>338</u>	54	
P20 95		57		95		57	
100		60		100		60	
		<u>1262</u>					<u>1262</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 18937

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud _____ 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 _____ 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 _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.		final inc. of _____ Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 105		63		105		63	1262
P 2 110		66		110		66	1262
P 3 115		69		115		69	
P 4 120		72		120		72	
P 5 125		75		125		75	1263
P 6 130		78		130		78	1264
P 7 135		81		135		81	1264
P 8 140		84		140		84	1265
P 9 145		87		145		87	1265
P10 150		90		150		90	1266
P11 155		93		155		93	
P12 160		96		160		96	
P13 165		99		165		99	
P14 170		102		170		102	
P15 175		105		175		105	1266
P16 180		108		180		108	
P17 185		111		185		111	
P18 190		114		190		114	
P19 195		117		195		117	
P20 200		120		200		120	

DST REPORT

GENERAL INFORMATION

DATE	: 7/1/93	TICKET	: 18937
CUSTOMER	: GALLOWAY PETROLEUM EXPLOR	LEASE	: MEDSKER "A"
WELL	: #1-14	TEST: 3	GEOLOGIST: CASEY GALLOWAY
ELEVATION	: 1666 G.L.	FORMATION	: MISSISSIPPI
SECTION	: 14	TOWNSHIP	: 25S
RANGE	: 9W	STATE	: KS
GAUGE SN#	: 10270	RANGE	: 4150
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	3862.00 ft	TO:	3876.00 ft	TVD:	3999.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	3864.0 ft		3867.0 ft		
TEMPERATURE:	124.0				
DRILL COLLAR LENGTH:	425.0 ft	I.D.:		2.200 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	3412.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	25.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	14.0 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:	3857.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	3862.0 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. :	STERLING #4	VISCOSITY :	78.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	7.200 cc
WEIGHT :	8.600 ppg	SERIAL NUMBER:	
CHLORIDES :	5500 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BUILDING TO STRONG BLOW
IN 7 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
2.0	100.0	0.0	0.0	0.0	OIL
75.0	7.0	0.0	63.0	30.0	OIL CUT MUDDY WATER
600.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 80000 PPM
0.0	0.0	0.0	0.0	0.0	345 FT GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.1017 STB	
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME: 120.0000 min.
MUD VOLUME:	0.3156 STB	AVERAGE OIL RATE: 1.5990 STB/D
WATER VOLUME:	5.1154 STB	AVERAGE WATER RATE: 64.7936 STB/D
TOTAL FLUID :	5.5327 STB	

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1807.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	41.00	124.00
INITIAL SHUT-IN	60.00		1246.00
FINAL FLOW	90.00	166.00	322.00
FINAL SHUT-IN	120.00		1246.00

FINAL HYDROSTATIC PRESSURE: 1775.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 1851.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	62.00	137.00
INITIAL SHUT-IN	66.00		1263.00
FINAL FLOW	90.00	194.00	338.00
FINAL SHUT-IN	123.00		1266.00

FINAL HYDROSTATIC PRESSURE: 1794.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 7/1/93	TICKET : 18937
CUSTOMER : GALLOWAY PETROLEUM EXPLOR	LEASE : MEDSKER "A"
WELL : #1-14 TEST: 3	GEOLOGIST: CASEY GALLOWAY
ELEVATION: 1666 G.L.	FORMATION: MISSISSIPPI
SECTION : 14	TOWNSHIP : 25S
RANGE : 9W COUNTY: RENO	STATE : KS
GAUGE SN#: 10270 RANGE : 4150	CLOCK : 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	62.00	62.00
5.00	62.00	0.00
10.00	67.00	5.00
15.00	77.00	10.00
20.00	94.00	17.00
25.00	110.00	16.00
30.00	137.00	27.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1236.00	1236.00	0.00
6.00	1250.00	14.00	0.00
9.00	1255.00	5.00	0.00
12.00	1259.00	4.00	0.00
15.00	1262.00	3.00	0.00
18.00	1262.00	0.00	0.00
21.00	1263.00	1.00	0.00
24.00	1263.00	0.00	0.00
27.00	1263.00	0.00	0.00
30.00	1263.00	0.00	0.00
33.00	1263.00	0.00	0.00
36.00	1263.00	0.00	0.00
39.00	1263.00	0.00	0.00
42.00	1263.00	0.00	0.00
45.00	1263.00	0.00	0.00
48.00	1263.00	0.00	0.00
51.00	1263.00	0.00	0.00
54.00	1263.00	0.00	0.00
57.00	1263.00	0.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

INITIAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
60.00	1263.00	0.00	0.00
63.00	1263.00	0.00	0.00
66.00	1263.00	0.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	194.00	194.00
5.00	194.00	0.00
10.00	196.00	2.00
15.00	207.00	11.00
20.00	220.00	13.00
25.00	228.00	8.00
30.00	234.00	6.00
35.00	243.00	9.00
40.00	251.00	8.00
45.00	262.00	11.00
50.00	270.00	8.00
55.00	279.00	9.00
60.00	287.00	8.00
65.00	298.00	11.00
70.00	307.00	9.00
75.00	315.00	8.00
80.00	323.00	8.00
85.00	331.00	8.00
90.00	338.00	7.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	1246.00	1246.00	0.00
6.00	1253.00	7.00	0.00
9.00	1255.00	2.00	0.00
12.00	1257.00	2.00	0.00
15.00	1258.00	1.00	0.00
18.00	1259.00	1.00	0.00
21.00	1260.00	1.00	0.00
24.00	1261.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
27.00	1262.00	1.00	0.00
30.00	1262.00	0.00	0.00
33.00	1262.00	0.00	0.00
36.00	1262.00	0.00	0.00
39.00	1262.00	0.00	0.00
42.00	1262.00	0.00	0.00
45.00	1262.00	0.00	0.00
48.00	1262.00	0.00	0.00
51.00	1262.00	0.00	0.00
54.00	1262.00	0.00	0.00
57.00	1262.00	0.00	0.00
60.00	1262.00	0.00	0.00
63.00	1262.00	0.00	0.00
66.00	1263.00	1.00	0.00
69.00	1263.00	0.00	0.00
72.00	1263.00	0.00	0.00
75.00	1263.00	0.00	0.00
78.00	1264.00	1.00	0.00
81.00	1264.00	0.00	0.00
84.00	1265.00	1.00	0.00
87.00	1265.00	0.00	0.00
90.00	1266.00	1.00	0.00
93.00	1266.00	0.00	0.00
96.00	1266.00	0.00	0.00
99.00	1266.00	0.00	0.00
102.00	1266.00	0.00	0.00
105.00	1266.00	0.00	0.00
108.00	1266.00	0.00	0.00
111.00	1266.00	0.00	0.00
114.00	1266.00	0.00	0.00
117.00	1266.00	0.00	0.00
120.00	1266.00	0.00	0.00
123.00	1266.00	0.00	0.00