



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET N<sup>o</sup> 20568

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

Elevation 2159 66 Formation Mississippi Eff. Pay \_\_\_\_\_ Ft.

District PRATT Date 4-27-94

COMPANY NAME McGinness O.I. Co. Customer Order No. \_\_\_\_\_

ADDRESS 150 N. MAIN STE. 1026 WICHITA KS 67202

LEASE AND WELL NO. KELLER #1 COUNTY KIOWA STATE KS Sec. 5 Twp. 28 Rge. 17

Mail Invoice To \_\_\_\_\_ Co. Name SAME Address \_\_\_\_\_ No. Copies Requested \_\_\_\_\_

Mail Charts To \_\_\_\_\_ Address SAME No. Copies Requested \_\_\_\_\_

Formation Test No. 2 Interval Tested From 4685 ft. to 4720 ft. Total Depth 4720 ft.  
Packer Depth 4680 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4685 ft. Size 6 5/8 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4695 ft. Recorder Number 4339 Cap. 4325  
Bottom Recorder Depth (Outside) 4698 ft. Recorder Number 13548 Cap. 4075  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor PICKRELL Drill Collar Length 214 I. D. 2 1/4 in.  
Mud Type CHEMICAL Viscosity 46 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.  
Weight 9.2 Water Loss 10 cc. Drill Pipe Length 4444 I. D. 3.8 in.  
Chlorides 10,000 P.P.M. Test Tool Length 27 ft. Tool Size 5 1/2 in.  
Jars: Make \_\_\_\_\_ Serial Number \_\_\_\_\_ Anchor Length 35 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: 2" Slow Build to Bottom of Bucket in 25 minutes  
2nd Flow - 2" to Btm of Bucket in 50 minutes

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered 15 ft. of Only mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Chlorides \_\_\_\_\_ P.P.M. Sample Jars used \_\_\_\_\_ Remarks: \_\_\_\_\_

Time On Location 5:00 A.M. Time Pick Up Tool 8:00 A.M. Time Off Location \_\_\_\_\_ A.M.  
Time Set Packer(s) 9:30 A.M. Time Started Off Bottom 12:00 P.M. Maximum Temperature 115°  
Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2353 P.S.I.  
Initial Flow Period \_\_\_\_\_ Minutes 30 (B) 113 P.S.I. to (C) 68 P.S.I.  
Initial Closed In Period \_\_\_\_\_ Minutes 30 (D) 136 P.S.I.  
Final Flow Period \_\_\_\_\_ Minutes 60 (E) 102 P.S.I. to (F) 56 P.S.I.  
Final Closed In Period \_\_\_\_\_ Minutes 30 (G) 181 P.S.I.  
Final Hydrostatic Pressure \_\_\_\_\_ (H) 2266 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 Doug McGinness  
Signature of Customer or his authorized representative

Western Representative STUART STOVER

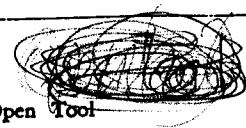
FIELD INVOICE

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

**WESTERN TESTING CO., INC.**  
Pressure Data

Date 4-27-94 Test Ticket No. 20568  
 Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2325</u> P.S.I.	<u>9:30 A.M.</u>	
B First Initial Flow Pressure	<u>130</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>26</u> P.S.I.	<u>30</u> Mins.	<u>24</u> Mins.
D Initial Closed-in Pressure	<u>141</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>120</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>56</u> P.S.I.		
G Final Closed-in Pressure	<u>111</u> P.S.I.		
H Final Hydrostatic Mud	<u>2257</u> P.S.I.		

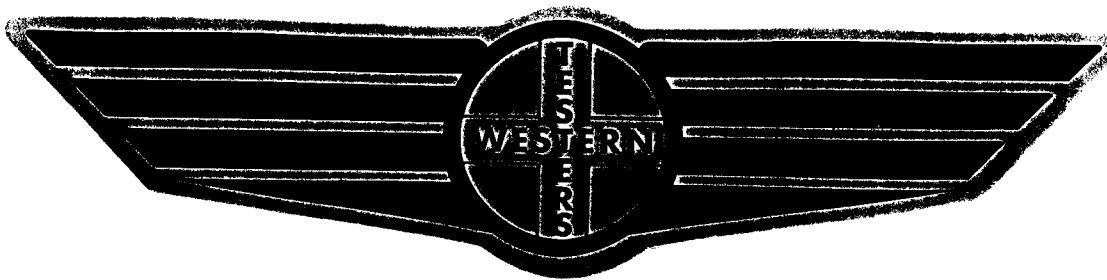


*Pressure 5766  
Cummings - 50*

**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>130</u>	0	<u>116</u>	0	<u>120</u>	0	<u>56</u>
P 2 5	<u>102</u>	3	<u>79</u>	5	<u>98</u>	3	<u>58</u>
P 3 10	<del>91</del>	6	<u>84</u>	10	<u>86</u>	6	<u>62</u>
P 4 15	<u>86</u>	9	<u>91</u>	15	<u>82</u>	9	<u>70</u>
P 5 20	<u>82</u>	12	<u>95</u>	20	<u>77</u>	12	<u>81</u>
P 6 25	<u>79</u>	15	<u>105</u>	25	<u>70</u>	15	<u>93</u>
P 7 30	<u>74</u>	18	<u>119</u>	30	<u>68</u>	18	<u>107</u>
P 8 35		21	<u>130</u>	35	<del>66</del>	21	<u>123</u>
P 9 40		24	<u>141</u>	40	<u>64</u>	24	<u>141</u>
P10 45		<del>27</del>		45	<u>62</u>	27	<u>155</u>
P11 50		<del>30</del>		50	<u>60</u>	30	<u>171</u>
P12 55		<del>33</del>		55	<u>58</u>	33	
P13 60		<del>36</del>		60	<u>56</u>	36	
P14 65		<del>39</del>		65		39	
P15 70		<del>42</del>		70		42	
P16 75		<del>45</del>		75		45	
P17 80		<del>48</del>		80		48	
P18 85		<del>51</del>		85		51	
P19 90		<del>54</del>		90		54	
P20 95		<del>57</del>		95		57	
100		<del>60</del>		100		60	

# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1-800-688-7021

DST REPORT

GENERAL INFORMATION

DATE : 4/27/94  
CUSTOMER : MCGINNESS OIL COMPANY  
WELL : #1 TEST: 2  
ELEVATION: 2159 GL  
SECTION : 5  
RANGE : 17W COUNTY: KIOWA  
GAUGE SN#: 4339 RANGE : 4325

TICKET : 20568  
LEASE : KELLER  
GEOLOGIST: MCGINNESS  
FORMATION: MISSISSIPPI  
TOWNSHIP : 28S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4685.00 ft TO: 4720.00 ft TVD: 4720.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4695.0 ft 4698.0 ft  
TEMPERATURE: 115.0

DRILL COLLAR LENGTH:	214.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4444.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	27.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	35.0 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:	4680.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4685.0 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. : PICKRELL  
MUD TYPE : CHEMICAL  
WEIGHT : 9.200 ppg  
CHLORIDES : 10000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO

VISCOSITY : 46.00 cp  
WATER LOSS: 10.000 cc

SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD 2 INCH BLOW SLOWLY BUILDING TO  
BOTTOM OF BUCKET IN 25 MINUTES. FINAL FLOW PERIOD  
2 INCH BLOW TO BOTTOM OF BUCKET IN 50 MINUTES.

**DST REPORT (CONTINUED)**

**FLUID RECOVERY**

<u>Feet of Fluid</u>	<u>% Oil</u>	<u>% Gas</u>	<u>% Water</u>	<u>% Mud</u>	<u>Comments</u>
15.0	0.0	0.0	0.0	100.0	DRILLING MUD

**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:	0.0738	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0738	STB			

**FIELD TIME & PRESSURE INFORMATION**

INITIAL HYDROSTATIC PRESSURE: 2353.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	113.00	68.00
INITIAL SHUT-IN	30.00		136.00
FINAL FLOW	60.00	102.00	56.00
FINAL SHUT-IN	30.00		181.00

FINAL HYDROSTATIC PRESSURE: 2266.00

**OFFICE TIME & PRESSURE INFORMATION**

INITIAL HYDROSTATIC PRESSURE: 2325.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	130.00	76.00
INITIAL SHUT-IN	24.00		141.00
FINAL FLOW	60.00	120.00	56.00
FINAL SHUT-IN	30.00		171.00

FINAL HYDROSTATIC PRESSURE: 2251.00

**PRESSURE TRANSIENT REPORT**

**GENERAL INFORMATION**

DATE : 4/27/94	TICKET : 20568
CUSTOMER : MCGINNESS OIL COMPANY	LEASE : KELLER
WELL : #1 TEST: 2	GEOLOGIST: MCGINNESS
ELEVATION: 2159 GL	FORMATION: MISSISSIPPI
SECTION : 5	TOWNSHIP : 28S
RANGE : 17W COUNTY: KIOWA	STATE : KS
GAUGE SN#: 4339 RANGE : 4325	CLOCK : 12

**INITIAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	130.00	130.00
5.00	102.00	-28.00
10.00	91.00	-11.00
15.00	86.00	-5.00
20.00	82.00	-4.00
25.00	77.00	-5.00
30.00	76.00	-1.00

**INITIAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	79.00	79.00	0.00
6.00	84.00	5.00	0.00
9.00	91.00	7.00	0.00
12.00	95.00	4.00	0.00
15.00	105.00	10.00	0.00
18.00	119.00	14.00	0.00
21.00	130.00	11.00	0.00
24.00	141.00	11.00	0.00

**FINAL FLOW**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	120.00	120.00
5.00	98.00	-22.00
10.00	86.00	-12.00

**PRESSURE TRANSIENT REPORT (CONTINUED)**

**FINAL FLOW (CONTINUED)**

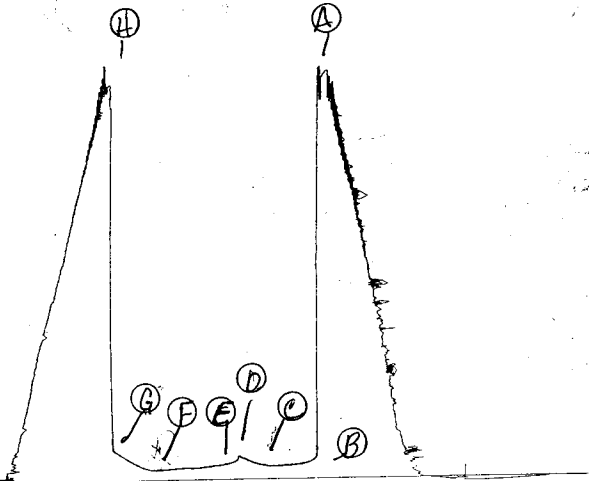
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
15.00	82.00	-4.00
20.00	77.00	-5.00
25.00	70.00	-7.00
30.00	68.00	-2.00
35.00	66.00	-2.00
40.00	64.00	-2.00
45.00	62.00	-2.00
50.00	60.00	-2.00
55.00	58.00	-2.00
60.00	56.00	-2.00

**FINAL SHUT IN**

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	58.00	58.00	0.00
6.00	62.00	4.00	0.00
9.00	70.00	8.00	0.00
12.00	81.00	11.00	0.00
15.00	93.00	12.00	0.00
18.00	107.00	14.00	0.00
21.00	123.00	16.00	0.00
24.00	141.00	18.00	0.00
27.00	155.00	14.00	0.00
30.00	171.00	16.00	0.00

433.9

TR# 20568  
I.



13548

TK# 20568

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