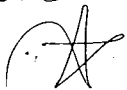
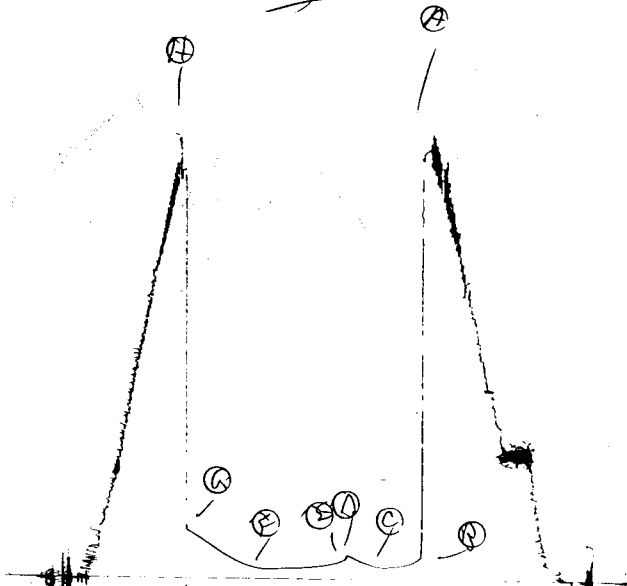


13268 VOT# 1



K + 18908

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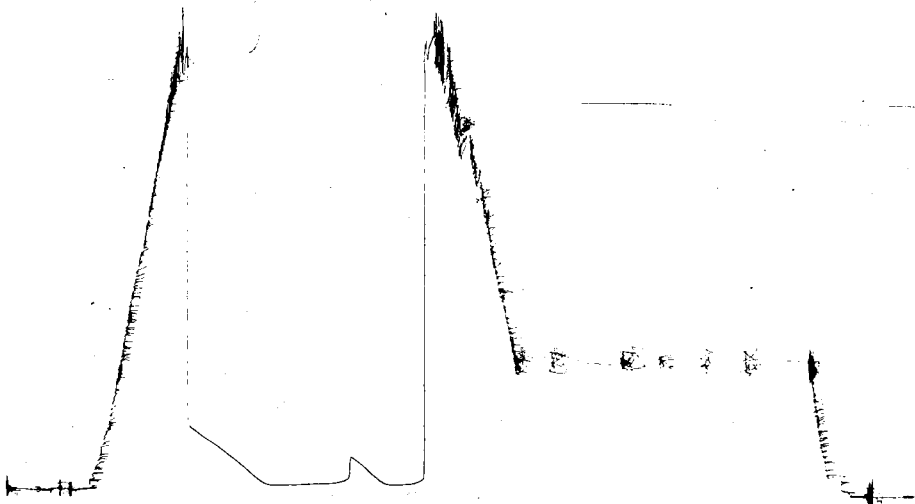


12263

45771

JKT 18908

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 18908

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

Elevation 2158 PL Formation MISS Eff. Pay Ft.

District PRATT Date 8-9-93 Customer Order No.

COMPANY NAME McGinness Oil Co.

ADDRESS 1026 Union Center Bldg - Wichita Kansas 67202

LEASE AND WELL NO Richardson #1 COUNTY KIOWA STATE Kansas Sec. 32 Twp. 27s Rge. 12w

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

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4690 ft. to 4739 ft. Total Depth 4739 ft.

Packer Depth 4685 ft. Size 6 5/8 in. Packer Depth 4739 ft. Size 7 in.

Packer Depth 4690 ft. Size 6 5/8 in. Packer Depth 4739 ft. Size 7 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4693 ft. Recorder Number 13268 Cap 4225

Bottom Recorder Depth (Outside) 4696 ft. Recorder Number 13265 Cap 3975

Below Straddle Recorder Depth ft. Recorder Number Cap

Drilling Contractor Pickrel Drilling Drill Collar Length 243 I. D. 2 1/4 in.

Mud Type Chem Viscosity 47.6 Weight Pipe Length 0 I. D. in.

Weight 7.1 Water Loss 9.6 cc. Drill Pipe Length 4427 I. D. 3.8 in.

Chlorides 6600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number - Anchor Length 49 (30 + 19) ft. Size 6' + 5/2 OD 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 7 7/8 in.

Blow: Strong blow in 2 minutes on initial flow Strong blow on final flow - no gas to surface

Recovered ft. of

Recovered 25 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

AUG 12 1993

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

Time On Location 4:00 AM Time Pick Up Tool 8:00 AM Time Off Location 3:00 AM

Time Set Packer(s) 9:40 AM Time Started Off Bottom 12:40 AM Maximum Temperature 122 F

Initial Hydrostatic Pressure (A) 2332 P.S.I.

Initial Flow Period Minutes 30 (B) 106 P.S.I. to (C) 53 P.S.I.

Initial Closed In Period Minutes 30 (D) 138 P.S.I.

Final Flow Period Minutes 60 (E) 85 P.S.I. to (F) 53 P.S.I.

Final Closed In Period Minutes 60 (G) 299 P.S.I.

Final Hydrostatic Pressure (H) 2279 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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature] Thank you

FIELD INVOICE

Table with 2 columns: Item Name and Price. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, and Telecopier. Total is listed at the bottom.

WESTERN TESTING CO., INC.
Pressure Data

Date 8-9-92 Test Ticket No. 18908
 Recorder No. BJL68 Capacity _____ Location _____ Ft. _____
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2155</u>	P.S.I.		M
B First Initial Flow Pressure	<u>102</u>	P.S.I.	Mins. <u>30</u>	Mins.
C First Final Flow Pressure	<u>67</u>	P.S.I.	Mins. <u>24</u>	Mins.
D Initial Closed-in Pressure	<u>127</u>	P.S.I.	Mins. <u>60</u>	Mins.
E Second Initial Flow Pressure	<u>79</u>	P.S.I.	Mins. <u>57</u>	Mins.
F Second Final Flow Pressure	<u>59</u>	P.S.I.		
G Final Closed-in Pressure	<u>2169</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2167</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	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1	<u>102</u>	0	<u>67</u>	0	<u>79</u>	0	<u>59</u>
P 2	<u>102</u>	3	<u>72</u>	5	<u>79</u>	3	<u>62</u>
P 3	<u>87</u>	6	<u>77</u>	10	<u>79</u>	6	<u>65</u>
P 4	<u>79</u>	9	<u>89</u>	15	<u>79</u>	9	<u>71</u>
P 5	<u>72</u>	12	<u>95</u>	20	<u>72</u>	12	<u>76</u>
P 6	<u>68</u>	15	<u>102</u>	25	<u>70</u>	15	<u>82</u>
P 7	<u>67</u>	18	<u>112</u>	30	<u>66</u>	18	<u>94</u>
P 8		21	<u>122</u>	35	<u>64</u>	21	<u>105</u>
P 9		24	<u>137</u>	40	<u>62</u>	24	<u>115</u>
P10		27		45	<u>62</u>	27	<u>119</u>
P11		30		50	<u>61</u>	30	<u>142</u>
P12		33		55	<u>60</u>	33	<u>158</u>
P13		36		60	<u>59</u>	36	<u>172</u>
P14		39		65		39	<u>189</u>
P15		42		70		42	<u>202</u>
P16		45		75		45	<u>217</u>
P17		48		80		48	<u>230</u>
P18		51		85		51	<u>246</u>
P19		54		90		54	<u>258</u>
P20		57		95		57	<u>269</u>
		60		100		60	

DST REPORT

GENERAL INFORMATION

DATE	: 8/9/93	TICKET	: 18908
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1	TEST:	: 1
ELEVATION:	2158 GL	GEOLOGIST:	MCGINNESS
SECTION	: 32	FORMATION:	MISSISSIPPI
RANGE	: 17W	COUNTY:	KIOWA
GAUGE SN#:	13268	RANGE	: 4225
		STATE	: KS
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4690.00 ft	TO:	4739.00 ft	TVD:	4739.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4693.0 ft		4696.0 ft		
TEMPERATURE:	122.0				
DRILL COLLAR LENGTH:	243.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4427.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	49.0 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:	4685.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4690.0 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 DRILLING	VISCOSITY :	47.00 cp
MUD TYPE :	CHEMICAL	WATER LOSS:	9.600 cc
WEIGHT :	9.100 ppg	SERIAL NUMBER:	
CHLORIDES :	6600 ppm	REVERSED OUT?:	NO
JARS-MAKE :			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 2 MINUTES.
FINAL FLOW PERIOD STRONG BLOW. NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
25.0	0.0	0.0	0.0	100.0	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:	0.1229 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.1229 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2332.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	53.00
INITIAL SHUT-IN	30.00		138.00
FINAL FLOW	60.00	85.00	53.00
FINAL SHUT-IN	60.00		299.00

FINAL HYDROSTATIC PRESSURE: 2279.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2355.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	102.00	67.00
INITIAL SHUT-IN	24.00		137.00
FINAL FLOW	60.00	79.00	59.00
FINAL SHUT-IN	57.00		269.00

FINAL HYDROSTATIC PRESSURE: 2267.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/9/93	TICKET : 18908
CUSTOMER : MCGINNESS OIL COMPANY	LEASE : RICHARDSON
WELL : #1 TEST: 1	GEOLOGIST: MCGINNESS
ELEVATION: 2158 GL	FORMATION: MISSISSIPPI
SECTION : 32	TOWNSHIP : 27S
RANGE : 17W COUNTY: KIOWA	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	102.00	102.00
5.00	102.00	0.00
10.00	87.00	-15.00
15.00	79.00	-8.00
20.00	73.00	-6.00
25.00	68.00	-5.00
30.00	67.00	-1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	73.00	73.00	0.00
6.00	77.00	4.00	0.00
9.00	89.00	12.00	0.00
12.00	95.00	6.00	0.00
15.00	103.00	8.00	0.00
18.00	113.00	10.00	0.00
21.00	122.00	9.00	0.00
24.00	137.00	15.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	79.00	79.00
5.00	79.00	0.00
10.00	79.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
15.00	79.00	0.00
20.00	73.00	-6.00
25.00	70.00	-3.00
30.00	66.00	-4.00
35.00	64.00	-2.00
40.00	63.00	-1.00
45.00	62.00	-1.00
50.00	61.00	-1.00
55.00	60.00	-1.00
60.00	59.00	-1.00

FINAL SHUT IN

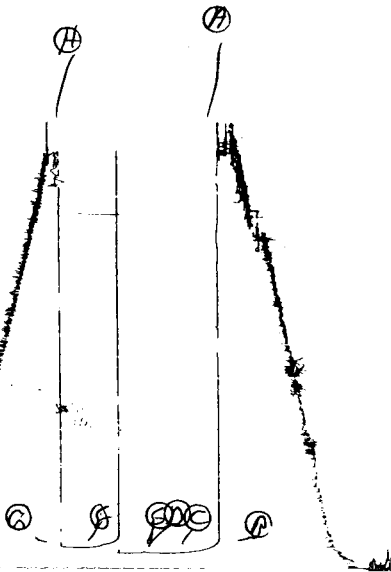
<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	62.00	62.00	0.00
6.00	65.00	3.00	0.00
9.00	71.00	6.00	0.00
12.00	76.00	5.00	0.00
15.00	83.00	7.00	0.00
18.00	94.00	11.00	0.00
21.00	105.00	11.00	0.00
24.00	115.00	10.00	0.00
27.00	129.00	14.00	0.00
30.00	143.00	14.00	0.00
33.00	158.00	15.00	0.00
36.00	172.00	14.00	0.00
39.00	189.00	17.00	0.00
42.00	202.00	13.00	0.00
45.00	217.00	15.00	0.00
48.00	230.00	13.00	0.00
51.00	246.00	16.00	0.00
54.00	258.00	12.00	0.00
57.00	269.00	11.00	0.00

13268-135#2



JK+ 18909

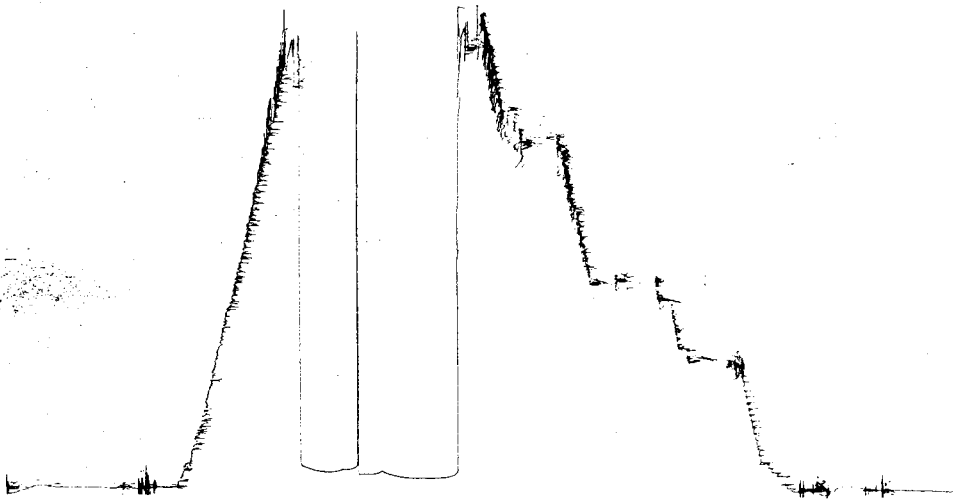
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13260 D3+ #2

KT 18509

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No 18909

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

Elevation 2158 Gk Formation Kinderhook Eff. Pay Ft.

District Pratt Date 8-9-93 Customer Order No.

COMPANY NAME Mc Guinness Oil Co ADDRESS 1026 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO Richardson #1 COUNTY Kiowa STATE Kansas Sec. Twp. Rge.

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

Mail Charts To Same Address No. Copies Requested Reg

Formation Test No. 2 Interval Tested From 4735 ft. to 4768 ft. Total Depth 4768 ft.

Packer Depth 4730 ft. Size 6 5/8 in. Packer Depth 4735 ft. Size 6 5/8 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4738 ft. Recorder Number 13268 Cap. 42.25

Bottom Recorder Depth (Outside) 4741 ft. Recorder Number 13265 Cap. 39.75

Below Straddle Recorder Depth Recorder Number Cap.

Drilling Contractor Pickrel Drilling Drill Collar Length 243 I. D. 2 1/4 in.

Mud Type Gum Viscosity 1.47 Weight Pipe Length 0 I. D. in.

Weight 91 Water Loss 9.6 cc. Drill Pipe Length 4472 I. D. 3.8 in.

Chlorides 6600 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make NO Serial Number T Anchor Length 33 ft. Size 5 1/2 OD 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 XH in.

Blow: Very weak - steady - 1/2 inch blow on initial flow Very weak blow on final flow for 2 minutes - dead - flushed tool - 10 min + diesel

Recovered 60 ft. of Mud

AUG 12 1993

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

Time On Location 8:00 AM Time Pick Up Tool 10:00 AM Time Off Location 4:00 AM

Time Set Packer(s) 11:45 AM Time Started Off Bottom 1:45 AM Maximum Temperature 124 deg F

Initial Hydrostatic Pressure (A) 2348 P.S.I. Initial Flow Period (B) 30 Minutes 85 P.S.I. to (C) 85 P.S.I.

Initial Closed In Period (D) 30 Minutes 85 P.S.I. Final Flow Period (E) 30 Minutes 106 P.S.I. to (F) 106 P.S.I.

Final Closed In Period (G) 30 Minutes 106 P.S.I. Final Hydrostatic Pressure (H) 2348 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 [Signature] Signature of Customer or his authorized representative

Western Representative [Signature] Thank you

FIELD INVOICE

Table with 2 columns: Item Name and Amount. Items include Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, Telecopier, and TOTAL.

WESTERN TESTING CO., INC.

Pressure Data

Date 8-9-92 Test Ticket No. 18909
 Recorder No. 18909 Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>222</u> P.S.I.	Open Tool		M
B First Initial Flow Pressure	<u>122</u> P.S.I.	First Flow Pressure	Mins. <u>20</u>	Mins.
C First Final Flow Pressure	<u>88</u> P.S.I.	Initial Closed-in Pressure	Mins. <u>27</u>	Mins.
D Initial Closed-in Pressure	<u>94</u> P.S.I.	Second Flow Pressure	Mins. <u>20</u>	Mins.
E Second Initial Flow Pressure	<u>87</u> P.S.I.	Final Closed-in Pressure	Mins. <u>20</u>	Mins.
F Second Final Flow Pressure	<u>125</u> P.S.I.			
G Final Closed-in Pressure	<u>122</u> P.S.I.			
H Final Hydrostatic Mud	<u>222</u> P.S.I.			

PRESSURE BREAKDOWN

Point	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Mins.	Press.	Minutes	Press.	Minutes	Press.	Minutes	Press.
P 1	0	<u>122</u>	0	<u>88</u>	0	<u>87</u>	0	<u>125</u>
P 2	5	<u>122</u>	3	<u>88</u>	5	<u>87</u>	3	<u>115</u>
P 3	10	<u>110</u>	6	<u>88</u>	10	<u>87</u>	6	<u>122</u>
P 4	15	<u>102</u>	9	<u>88</u>	15	<u>87</u>	9	<u>120</u>
P 5	20	<u>95</u>	12	<u>88</u>	20	<u>158 FT</u>	12	<u>119</u>
P 6	25	<u>91</u>	15	<u>88</u>	25	<u>142</u>	15	<u>118</u>
P 7	30	<u>88</u>	18	<u>88</u>	30	<u>125</u>	18	<u>118</u>
P 8	35		21	<u>87</u>	35		21	<u>118</u>
P 9	40		24	<u>92</u>	40		24	<u>119</u>
P 10	45		27	<u>94</u>	45		27	<u>121</u>
P 11	50		30		50		30	<u>122</u>
P 12	55		33		55		33	
P 13	60		36		60		36	
P 14	65		39		65		39	
P 15	70		42		70		42	
P 16	75		45		75		45	
P 17	80		48		80		48	
P 18	85		51		85		51	
P 19	90		54		90		54	
P 20	95		57		95		57	
	100		60		100		60	

DST REPORT

GENERAL INFORMATION

DATE : 8/9/93	TICKET : 18909
CUSTOMER : MCGINNESS OIL COMPANY	LEASE : RICHARDSON
WELL : #1	GEOLOGIST: MCGINNESS
ELEVATION: 2158 GL	FORMATION: KINDERHOOK
SECTION : 32	TOWNSHIP : 27S
RANGE : 17W	STATE : KS
GAUGE SN#: 13268	CLOCK : 12
COUNTY: KIOWA	
RANGE : 4225	

WELL INFORMATION

PERFORATION INTERVAL FROM:	4735.00 ft	TO:	4768.00 ft	TVD:	4768.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4738.0 ft		4741.0 ft		
TEMPERATURE:	124.0				
DRILL COLLAR LENGTH:	243.0 ft	I.D.:		2.250 in	
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH :	4472.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :		5.500 in	
ANCHOR LENGTH :	33.0 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:	4730.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4735.0 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 DRILLING	
MUD TYPE : CHEMICAL	VISCOSITY : 47.00 cp
WEIGHT : 9.100 ppg	WATER LOSS: 9.600 cc
CHLORIDES : 6600 ppm	
JARS-MAKE :	SERIAL NUMBER:
DID WELL FLOW?: NO	REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD VERY WEAK STEADY 1/2 INCH BLOW
 FINAL FLOW PERIOD VERY WEAK BLOW FOR 7 MINUTES -
 THEN DIED - FLUSHED TOOL - BLOW FOR 10 MINUTES &

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

DIED.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
60.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	
GAS VOLUME:	0.0000	SCF	
MUD VOLUME:	0.2950	STB	
WATER VOLUME:	0.0000	STB	
TOTAL FLUID :	0.2950	STB	
			TOTAL FLOW TIME: 60.0000 min.
			AVERAGE OIL RATE: 0.0000 STB/D
			AVERAGE WATER RATE: 0.0000 STB/D

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2348.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	85.00	85.00
INITIAL SHUT-IN	30.00		85.00
FINAL FLOW	30.00	106.00	106.00
FINAL SHUT-IN	30.00		106.00

FINAL HYDROSTATIC PRESSURE: 2348.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2331.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	30.00	123.00	88.00
INITIAL SHUT-IN	27.00		94.00
FINAL FLOW	30.00	87.00	135.00
FINAL SHUT-IN	30.00		123.00

FINAL HYDROSTATIC PRESSURE: 2271.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 8/9/93	TICKET : 18909
CUSTOMER : MCGINNESS OIL COMPANY	LEASE : RICHARDSON
WELL : #1 TEST: 2	GEOLOGIST: MCGINNESS
ELEVATION: 2158 GL	FORMATION: KINDERHOOK
SECTION : 32	TOWNSHIP : 27S
RANGE : 17W COUNTY: KIOWA	STATE : KS
GAUGE SN#: 13268 RANGE : 4225	CLOCK : 12

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	123.00	123.00
5.00	123.00	0.00
10.00	110.00	-13.00
15.00	102.00	-8.00
20.00	95.00	-7.00
25.00	91.00	-4.00
30.00	88.00	-3.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	88.00	88.00	0.00
6.00	88.00	0.00	0.00
9.00	88.00	0.00	0.00
12.00	88.00	0.00	0.00
15.00	88.00	0.00	0.00
18.00	88.00	0.00	0.00
21.00	89.00	1.00	0.00
24.00	92.00	3.00	0.00
27.00	94.00	2.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	87.00	87.00
5.00	87.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
10.00	87.00	0.00
15.00	87.00	0.00
20.00	158.00	71.00
25.00	142.00	-16.00
30.00	135.00	-7.00

FINAL SHUT IN

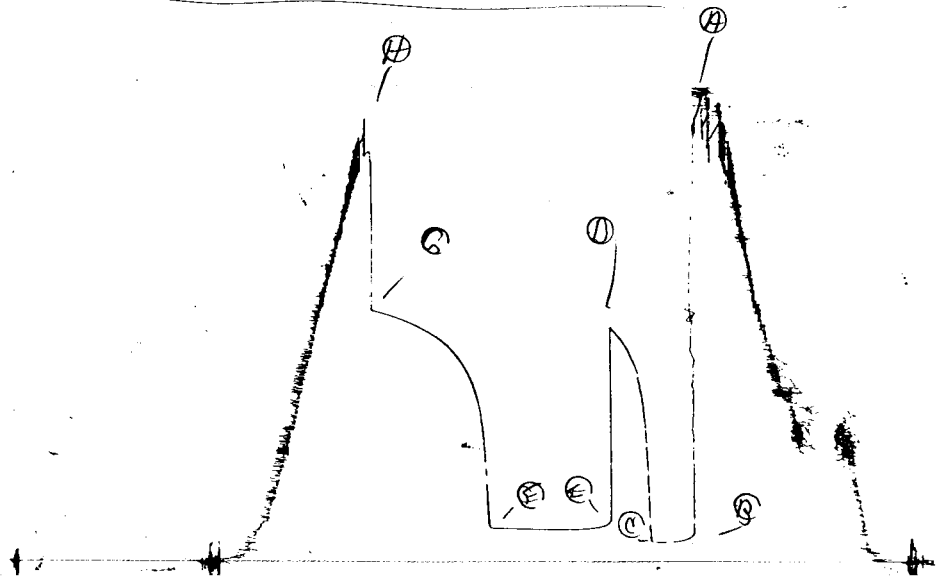
Time (min)	Pressure	Delta P	Horner T
3.00	115.00	115.00	0.00
6.00	122.00	7.00	0.00
9.00	120.00	-2.00	0.00
12.00	119.00	-1.00	0.00
15.00	118.00	-1.00	0.00
18.00	118.00	0.00	0.00
21.00	118.00	0.00	0.00
24.00	119.00	1.00	0.00
27.00	121.00	2.00	0.00
30.00	123.00	2.00	0.00

15260 12017 3

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DK+18910

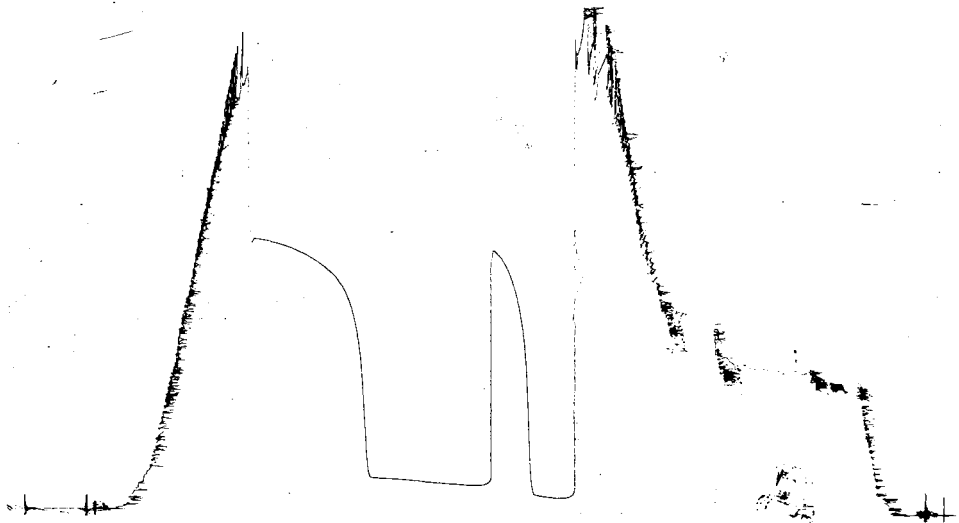
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(12-65 45) -

DKF 18910

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 18910

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

Elevation 2158 G.L. Formation Linderhook sh. Pay _____ Ft.

District Leatt Date 8-10-93 Customer Order No. _____

COMPANY NAME Mc Guinness Oil Co

ADDRESS 1026 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO. Richardson #1 COUNTY Lincoln STATE Kansas Sec. 32 Twp 27s Rge (17w)

Mail Invoice To SAME Co. Name _____ Address _____ No. Copies Requested Req

Mail Charts To SAME Co. Name _____ Address _____ No. Copies Requested Req

Formation Test No. 3 Interval Tested From 4769 ft. to 4785 ft. Total Depth 4785 ft.

Packer Depth 4764 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Packer Depth 4769 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4777 ft. Recorder Number 13260 Cap. 4225

Bottom Recorder Depth (Outside) 4780 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Pickell Drilling Drill Collar Length 243 I. D. 2 1/4 in.

Mud Type Chem Viscosity 10 Weight Pipe Length -0- I. D. _____ in.

Weight 7.3 Water Loss 96 cc. Drill Pipe Length 4506 I. D. 3.8 in.

Chlorides 600 P.P.M. Test Tool Length 20 ft. Tool Size 5/2 017 in.

Jars: Make no Serial Number 7 Anchor Length 76 ft. Size 5 1/2 00 in.

Did Well Flow? no Reversed Out no Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 1/2 in. Tool Joint Size 4 1/2 XH in.

Blow: Strong blow 20 minutes on initial flow

Strong blow on final no gas to surface

Recovered 30 ft. of Slightly oil cut mud 1% oil

Recovered _____ ft. of _____

Recovered 300 ft. of water 86,000 P.P.M

Recovered _____ ft. of _____

Recovered _____ ft. of _____

AUG 12 1993

Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 9:30 ^{AM}/_{PM} Time Pick Up Tool 10:15 ^{AM}/_{PM} Time Off Location 7:00 ^{AM}/_{PM}

Time Set Packer(s) 12:15 ^{AM}/_{PM} Time Started Off Bottom 4:15 ^{AM}/_{PM} Maximum Temperature 124°F

Initial Hydrostatic Pressure (A) 2438 P.S.I.

Initial Flow Period Minutes 30 (B) 106 P.S.I. to (C) 106 P.S.I.

Initial Closed In Period Minutes 30 (D) 1276 P.S.I.

Final Flow Period Minutes 90 (E) 192 P.S.I. to (F) 192 P.S.I.

Final Closed In Period Minutes 90 (G) 1381 P.S.I.

Final Hydrostatic Pressure (H) 2585 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 [Signature]
Signature of Customer or his authorized representative

Western Representative [Signature] 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 8-10-50 Test Ticket No. 18910
 Recorder No. WJL Capacity _____ Location _____ Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2549</u>	P.S.I.		M
B First Initial Flow Pressure	<u>120</u>	P.S.I.	Mins. <u>50</u>	Mins.
C First Final Flow Pressure	<u>111</u>	P.S.I.	Mins. <u>56</u>	Mins.
D Initial Closed-in Pressure	<u>1297</u>	P.S.I.	Mins. <u>90</u>	Mins.
E Second Initial Flow Pressure	<u>205</u>	P.S.I.	Mins. <u>90</u>	Mins.
F Second Final Flow Pressure	<u>188</u>	P.S.I.		
G Final Closed-in Pressure	<u>1381</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2528</u>	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1 0	<u>120</u>	0	<u>111</u>	0
P 2 5	<u>130</u>	3	<u>192</u>	3
P 3 10	<u>119</u>	6	<u>619</u>	6
P 4 15	<u>115</u>	9	<u>829</u>	9
P 5 20	<u>115</u>	12	<u>964</u>	12
P 6 25	<u>111</u>	15	<u>1062</u>	15
P 7 30	<u>111</u>	18	<u>1118</u>	18
P 8 35		21	<u>1159</u>	21
P 9 40		24	<u>1202</u>	24
P10 45		27	<u>1225</u>	27
P11 50		30	<u>1258</u>	30
P12 55		33	<u>1285</u>	33
P13 60		36	<u>1297</u>	36
P14 65		39		39
P15 70		42		42
P16 75		45		45
P17 80		48		48
P18 85		51		51
P19 90		54		54
P20 95		57		57
100		60		60

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticker No. 18910

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

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In	
	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	Breakdown: _____ Inc. of _____ mins. and a final inc. of _____ Min.	
	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	105	63	105	63	1224
P 2	110	66	110	66	1229
P 3	115	69	115	69	1239
P 4	120	72	120	72	1245
P 5	125	75	125	75	1252
P 6	130	78	130	78	1260
P 7	135	81	135	81	1266
P 8	140	84	140	84	1271
P 9	145	87	145	87	1277
P10	150	90	150	90	1281
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	
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 : 8/10/93
CUSTOMER : MCGINNESS OIL COMPANY
WELL : #1 TEST: 3
ELEVATION: 2158 GL
SECTION : 32
RANGE : 17W COUNTY: KIOWA
GAUGE SN#: 13268 RANGE : 4225
TICKET : 18910
LEASE : RICHARDSON
GEOLOGIST: MCGINNESS
FORMATION: KINDERHOOK SAND
TOWNSHIP : 27S
STATE : KS
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4769.00 ft TO: 4785.00 ft TVD: 4785.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4777.0 ft 4780.0 ft
TEMPERATURE: 124.0
DRILL COLLAR LENGTH: 243.0 ft I.D.: 2.250 in
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in
DRILL PIPE LENGTH : 4506.0 ft I.D.: 3.800 in
TEST TOOL LENGTH : 20.0 ft TOOL SIZE : 5.500 in
ANCHOR LENGTH : 16.0 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: 4764.0 ft SIZE: 6.630 in
PACKER DEPTH: 4769.0 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 DRILLING
MUD TYPE : CHEMICAL VISCOSITY : 90.00 cp
WEIGHT : 9.300 ppg WATER LOSS: 9.600 cc
CHLORIDES : 6600 ppm
JARS-MAKE :
DID WELL FLOW?: NO SERIAL NUMBER:
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 20 MINUTES .
FINAL FLOW PERIOD STRONG BLOW - NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
30.0	1.0	0.0	0.0	99.0	SL. OIL CUT MUD
300.0	0.0	0.0	100.0	0.0	WATER
0.0	0.0	0.0	0.0	0.0	CHLORIDES 86000 PPM

RATE INFORMATION

OIL VOLUME:	0.0042 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	120.0000 min.
MUD VOLUME:	0.4166 STB	AVERAGE OIL RATE:	5.0495 STB/D
WATER VOLUME:	1.9945 STB	AVERAGE WATER RATE:	23.9334 STB/D
TOTAL FLUID :	2.4152 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2438.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	106.00
INITIAL SHUT-IN	30.00		1276.00
FINAL FLOW	90.00	192.00	192.00
FINAL SHUT-IN	90.00		1381.00

FINAL HYDROSTATIC PRESSURE: 2385.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2549.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	130.00	111.00
INITIAL SHUT-IN	36.00		1297.00
FINAL FLOW	90.00	203.00	188.00
FINAL SHUT-IN	90.00		1381.00

FINAL HYDROSTATIC PRESSURE: 2328.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	203.00	203.00
5.00	203.00	0.00
10.00	193.00	-10.00
15.00	188.00	-5.00
20.00	184.00	-4.00
25.00	182.00	-2.00
30.00	182.00	0.00
35.00	182.00	0.00
40.00	182.00	0.00
45.00	182.00	0.00
50.00	182.00	0.00
55.00	182.00	0.00
60.00	182.00	0.00
65.00	183.00	1.00
70.00	184.00	1.00
75.00	185.00	1.00
80.00	186.00	1.00
85.00	187.00	1.00
90.00	188.00	1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	441.00	441.00	0.00
6.00	688.00	247.00	0.00
9.00	837.00	149.00	0.00
12.00	917.00	80.00	0.00
15.00	983.00	66.00	0.00
18.00	1033.00	50.00	0.00
21.00	1076.00	43.00	0.00
24.00	1109.00	33.00	0.00
27.00	1135.00	26.00	0.00
30.00	1164.00	29.00	0.00
33.00	1187.00	23.00	0.00
36.00	1208.00	21.00	0.00
39.00	1223.00	15.00	0.00
42.00	1238.00	15.00	0.00
45.00	1254.00	16.00	0.00
48.00	1266.00	12.00	0.00
51.00	1278.00	12.00	0.00
54.00	1289.00	11.00	0.00
57.00	1301.00	12.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
60.00	1312.00	11.00	0.00
63.00	1321.00	9.00	0.00
66.00	1329.00	8.00	0.00
69.00	1339.00	10.00	0.00
72.00	1349.00	10.00	0.00
75.00	1352.00	3.00	0.00
78.00	1360.00	8.00	0.00
81.00	1366.00	6.00	0.00
84.00	1371.00	5.00	0.00
87.00	1377.00	6.00	0.00
90.00	1381.00	4.00	0.00