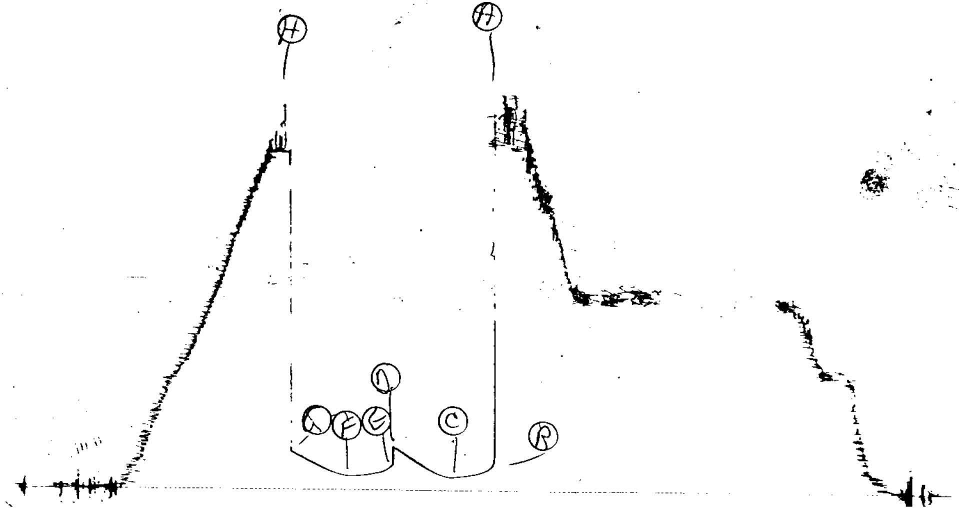
15260

Kt 19624

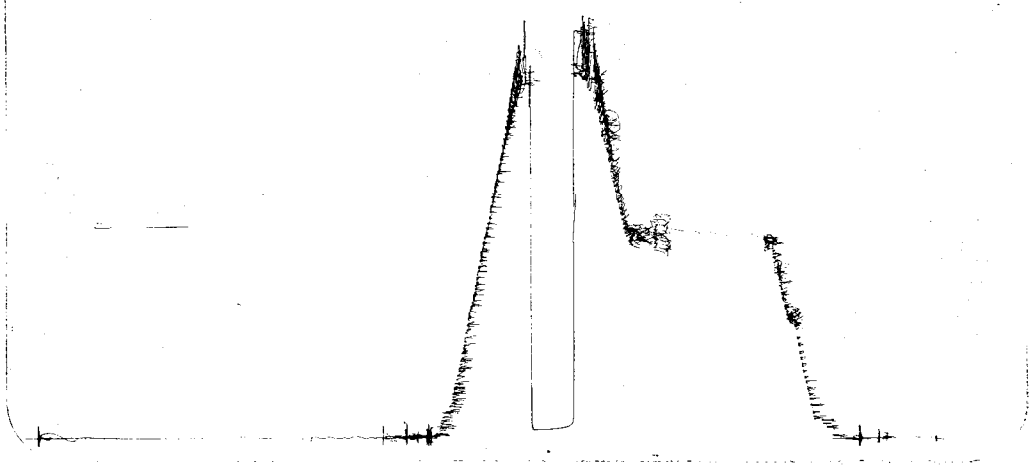
2



13265 DST #1

TK 19624

10



WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Nº 19624

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

Elevation 2157 GL Formation Lansing Eff. Pay Ft.

District Pratt Date 7-27-93 Customer Order No.

COMPANY NAME McGinness Oil Co

ADDRESS 1026 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO. Richardson 1-A COUNTY Kiowa STATE Kansas Sec. 5 Twp. 28S Rge. 17W

Mail Invoice To Same (Co. Name) Attn: Richardson (Address) No. Copies Requested Reg

Mail Charts To Same (Address) No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4132 ft. to 4160 ft. Total Depth 4160 ft.

Packer Depth 4131 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4136 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4153 ft. Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 4156 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Pickrell Drilling

Mud Type Chem Viscosity 48

Weight 9.2 Water Loss 13.2 cc.

Chlorides 8,000 P.P.M.

Jars: Make — O — Serial Number —

Did Well Flow? NO Reversed Out NO

Drill Collar Length 245 I. D. 2 1/4 in.

Weight Pipe Length — 0 — I. D. — in.

Drill Pipe Length 3871 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Anchor Length 24 ft. Size 5 1/2 OD in.

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 blow on initial flow - would not maintain 2" flame
Strong blow decreasing to no blow 15 min on final flow

Recovered ft. of

Recovered 50 ft. of mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

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

Time On Location 12:00 A.M. P.M. Time Pick Up Tool 6:30 A.M. P.M. Time Off Location 12:30 A.M. P.M.

Time Set Packer(s) 7:45 A.M. P.M. Time Started Off Bottom 10:15 A.M. P.M. Maximum Temperature 110 °F

Initial Hydrostatic Pressure			(A)	2067	P.S.I.	
Initial Flow Period	Minutes	30	(B)	106	P.S.I. to (C)	74 P.S.I.
Initial Closed In Period	Minutes	45	(D)	245	P.S.I.	
Final Flow Period	Minutes	30	(E)	106	P.S.I. to (F)	53 P.S.I.
Final Closed In Period	Minutes	45	(G)	213	P.S.I.	
Final Hydrostatic Pressure			(H)	2014	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 of Customer or his authorized representative

Western Representative Rod Dreit 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 7-27-93 Test Ticket No. 19624

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2061 P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	45 Mins.	45 Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	2010 P.S.I.			

PRESSURE BREAKDOWN

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

Point Mins.	Press.
P 1 0	119
P 2 5	106
P 3 10	92
P 4 15	85
P 5 20	79
P 6 25	75
P 7 30	74
P 8 35	
P 9 40	
P10 45	
P11 50	
P12 55	
P13 60	
P14 65	
P15 70	
P16 75	
P17 80	
P18 85	
P19 90	
P20 95	
100	

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

Point Minutes	Press.
0	74
3	75
6	79
9	83
12	92
15	100
18	111
21	122
24	134
27	149
30	162
33	175
36	192
39	207
42	220
45	237
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	117
5	115
10	100
15	92
20	85
25	79
30	77
35	
40	
45	
50	
55	
60	
65	
70	
75	
80	
85	
90	
95	
100	

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

Point Minutes	Press.
0	77
3	79
6	81
9	88
12	96
15	103
18	111
21	119
24	130
27	141
30	152
33	162
36	177
39	186
42	198
45	211
48	
51	
54	
57	
60	

DST REPORT

GENERAL INFORMATION

DATE	: 7/27/93	TICKET	: 19624
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 1	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: LANSING
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4136.00 ft TO: 4160.00 ft TVD: 4160.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4153.0 ft 4156.0 ft
TEMPERATURE: 110.0

DRILL COLLAR LENGTH:	245.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	3871.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	24.0 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:	4131.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4136.0 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 :	48.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	13.200 cc
CHLORIDES	: 8000 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW. WOULD NOT MAINTAIN 2 INCH LINE. FINAL FLOW PERIOD STRONG BLOW DEPLEATING TO NO BLOW IN 15 MINUTES.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.2459 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.2459 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2037.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	74.00
INITIAL SHUT-IN	45.00		245.00
FINAL FLOW	30.00	106.00	53.00
FINAL SHUT-IN	45.00		213.00

FINAL HYDROSTATIC PRESSURE: 2014.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2061.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	119.00	74.00
INITIAL SHUT-IN	45.00		237.00
FINAL FLOW	30.00	117.00	77.00
FINAL SHUT-IN	45.00		211.00

FINAL HYDROSTATIC PRESSURE: 2010.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/27/93	TICKET	: 19624
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 1	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: LANSING
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	119.00	119.00
5.00	106.00	-13.00
10.00	92.00	-14.00
15.00	85.00	-7.00
20.00	79.00	-6.00
25.00	75.00	-4.00
30.00	74.00	-1.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	75.00	75.00	0.00
6.00	79.00	4.00	0.00
9.00	83.00	4.00	0.00
12.00	92.00	9.00	0.00
15.00	100.00	8.00	0.00
18.00	111.00	11.00	0.00
21.00	122.00	11.00	0.00
24.00	134.00	12.00	0.00
27.00	149.00	15.00	0.00
30.00	162.00	13.00	0.00
33.00	175.00	13.00	0.00
36.00	192.00	17.00	0.00
39.00	207.00	15.00	0.00
42.00	220.00	13.00	0.00
45.00	237.00	17.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

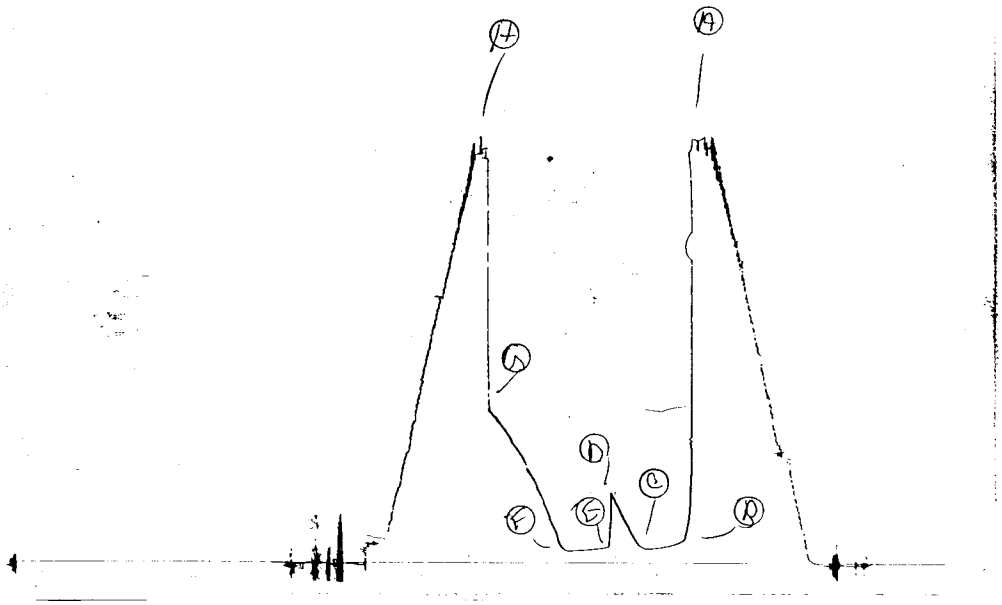
Time (min)	Pressure	Delta P
0.00	117.00	117.00
5.00	115.00	-2.00
10.00	100.00	-15.00
15.00	92.00	-8.00
20.00	85.00	-7.00
25.00	79.00	-6.00
30.00	77.00	-2.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	79.00	79.00	0.00
6.00	81.00	2.00	0.00
9.00	88.00	7.00	0.00
12.00	96.00	8.00	0.00
15.00	103.00	7.00	0.00
18.00	111.00	8.00	0.00
21.00	119.00	8.00	0.00
24.00	130.00	11.00	0.00
27.00	141.00	11.00	0.00
30.00	152.00	11.00	0.00
33.00	162.00	10.00	0.00
36.00	177.00	15.00	0.00
39.00	186.00	9.00	0.00
42.00	198.00	12.00	0.00
45.00	211.00	13.00	0.00

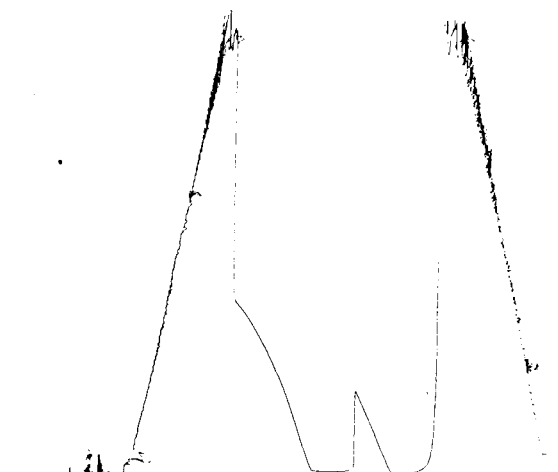
13268 DST #2

KT 19625



ISLAND WIDE

K4 19625



WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

Nº 19625

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

Elevation 2157 GL Formation Mississippian Eff. Pay ____ Ft.

District Pratt Date 2-28-73 Customer Order No. ____

COMPANY NAME McGinness Oil Co.

ADDRESS 1021 Union Center Bldg, Wichita, Kansas 67202

LEASE AND WELL NO. Richardson 1-A COUNTY Kiowa STATE Kansas Sec. 5 Twp. 28S Rge. 17W

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

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 2 Interval Tested From 4684 ft. to 4735 ft. Total Depth 4735 ft.

Packer Depth 4679 ft.	Size 6 3/4 in.	Packer Depth — ft.	Size — in.
Packer Depth 4684 ft.	Size 6 3/4 in.	Packer Depth — ft.	Size — in.

Depth of Selective Zone Set ____

Top Recorder Depth (Inside) 4667 ft.		Recorder Number 13268	Cap. 4225
Bottom Recorder Depth (Outside) 4670 ft.		Recorder Number 13265	Cap. 3975
Below Straddle Recorder Depth — ft.		Recorder Number —	Cap. —

Drilling Contractor Pickrell Drilling		Drill Collar Length 245	I. D. 2 1/4 in.
Mud Type Chem	Viscosity 49	Weight Pipe Length 0	I. D. — in.
Weight 9.2	Water Loss 12.0 cc.	Drill Pipe Length 4411	I. D. 3.8 in.
Chlorides 6,800 P.P.M.		Test Tool Length 28 ft.	Tool Size 5 1/2 OD in.
Jars: Make WTC	Serial Number 411	Anchor Length 51 (30+21) ft.	Size 6 1/4 + 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: Strong blow on initial flow - gas to surface 2 min
See flow chart

Recovered ____ ft. of ____
Recovered 20 ft. of gas cut mud 10% gas - 90% mud
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Recovered ____ ft. of ____
Chlorides ____ P.P.M. Sample Jars used ____ Remarks: ____

Time On Location	9:30 A.M. (P.M.)	Time Pick Up Tool	11:00 A.M. (P.M.)	Time Off Location	6:00 (A.M.) P.M.
Time Set Packer(s)	1:45 (A.M.) P.M.	Time Started Off Bottom	4:15 (A.M.) P.M.	Maximum Temperature	125°F

Initial Hydrostatic Pressure		(A) 2332	P.S.I.	
Initial Flow Period	Minutes 30	(B) 85	P.S.I. to (C) 53	P.S.I.
Initial Closed In Period	Minutes 30	(D) 995	P.S.I.	
Final Flow Period	Minutes 30	(E) 53	P.S.I. to (F) 53	P.S.I.
Final Closed In Period	Minutes 60	(G) 853	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 Rod Pitt - 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	$

Phone 316 262-5861

P. O. Box 1599

WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 3919

Date 7-28-93 Ticket 19625 Company McGinness Oil Co

Well Name and No. Richardson #1-A Dst No. 2 Interval Tested 4684-4735

County Kiowa State Kansas Sec. 5 Twp. 28s Rg. 17W

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					
01	—	1			Gas to surface
3	3 PSI	1/4			242,000 CFPD
10	2	1/2			47,700
20	2	1/2			47,700
30	1	1/2			33,900
SECOND FLOW	Tubing Water				
10	3	1/4			2,920 CFPD.
20	4	1/4			3,372
30	5	1/4			3,710
40	—				
50	—				
60	—				

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ 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 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 _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 7-28-93 Test Ticket No. 19625

Recorder No. Capacity Location Ft.

Clock No. Elevation Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2321 P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	30 Mins.	24 Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	30 Mins.	30 Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	2275 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 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	111	0	74	0	85	0	63
P 2 5	107	3	89	5	81	3	68
P 3 10	96	6	118	10	77	6	83
P 4 15	87	9	154	15	71	9	138
P 5 20	81	12	192	20	68	12	196
P 6 25	76	15	237	25	64	15	247
P 7 30	74	18	278	30	63	18	305
P 8 35		21	320	35		21	361
P 9 40		24	288	40		24	408
P10 45		~~27~~		45		27	457
P11 50		~~30~~		50		30	489
P12 55		33		55		33	534
P13 60		36		60		36	578
P14 65		39		65		39	612
P15 70		42		70		42	642
P16 75		45		75		45	682
P17 80		48		80		48	717
P18 85		51		85		51	746
P19 90		54		90		54	774
P20 95		57		95		57	800
100		60		100		60	829

DST REPORT

GENERAL INFORMATION

DATE	: 7/28/93	TICKET	: 19625
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 2	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: MISSISSIPPI
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4684.00 ft TO: 4735.00 ft TVD: 4735.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: GAS
DEPTH OF RECORDERS: 4667.0 ft 4670.0 ft
TEMPERATURE: 123.0

DRILL COLLAR LENGTH:	245.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4411.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	28.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	51.0 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:	4679.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4684.0 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 :	49.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	12.000 cc
CHLORIDES	: 6800 ppm		
JARS-MAKE	: WTC	SERIAL NUMBER:	411
DID WELL FLOW?	: NO	REVERSED OUT?:	NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE
IN 2 MINUTES. SEE GAS SHEET ATTACHED.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
90.0	0.0	10.0	0.0	90.0	GAS CUT MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.2485 SCF	TOTAL FLOW TIME:	60.0000 min.
MUD VOLUME:	0.3983 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.3983 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2332.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	85.00	53.00
INITIAL SHUT-IN	30.00		395.00
FINAL FLOW	30.00	53.00	53.00
FINAL SHUT-IN	60.00		853.00

FINAL HYDROSTATIC PRESSURE: 2279.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2321.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	111.00	74.00
INITIAL SHUT-IN	24.00		388.00
FINAL FLOW	30.00	85.00	63.00
FINAL SHUT-IN	60.00		829.00

FINAL HYDROSTATIC PRESSURE: 2275.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 7/28/93	TICKET	: 19625
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 2	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: MISSISSIPPI
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
3 MIN	MERLA	1.000	3 PSIG	242000 SCF/D
10 MIN	MERLA	0.500	2 PSIG	47700 SCF/D
20 MIN	MERLA	0.500	2 PSIG	47700 SCF/D
30 MIN	MERLA	0.500	1 PSIG	33900 SCF/D

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
10 MIN	MERLA	0.250	3" OF WATER	2920 SCF/D
20 MIN	MERLA	0.250	4" OF WATER	3370 SCF/D
30 MIN	MERLA	0.250	5" OF WATER	3710 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/28/93			TICKET	: 19625
CUSTOMER	: MCGINNESS OIL COMPANY			LEASE	: RICHARDSON
WELL	: #1-A	TEST: 2		GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL			FORMATION	: MISSISSIPPI
SECTION	: 5			TOWNSHIP	: 28S
RANGE	: 17W	COUNTY: KIOWA		STATE	: KS
GAUGE SN#	: 13268	RANGE : 4225		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	111.00	111.00
5.00	107.00	-4.00
10.00	96.00	-11.00
15.00	87.00	-9.00
20.00	81.00	-6.00
25.00	76.00	-5.00
30.00	74.00	-2.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	89.00	89.00	0.00
6.00	118.00	29.00	0.00
9.00	154.00	36.00	0.00
12.00	192.00	38.00	0.00
15.00	237.00	45.00	0.00
18.00	278.00	41.00	0.00
21.00	320.00	42.00	0.00
24.00	388.00	68.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	85.00	85.00
5.00	81.00	-4.00
10.00	77.00	-4.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

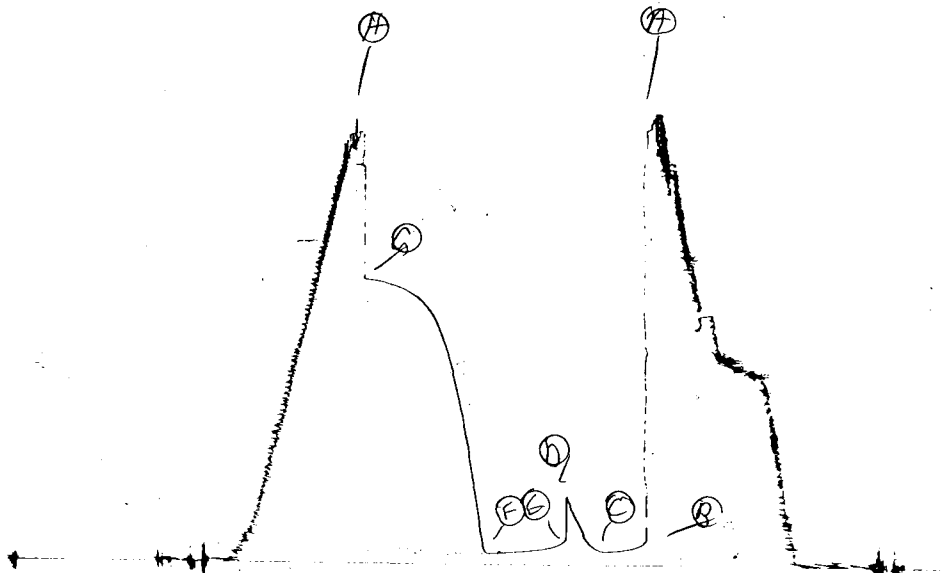
Time (min)	Pressure	Delta P
15.00	71.00	-6.00
20.00	68.00	-3.00
25.00	64.00	-4.00
30.00	63.00	-1.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	68.00	68.00	0.00
6.00	83.00	15.00	0.00
9.00	138.00	55.00	0.00
12.00	196.00	58.00	0.00
15.00	247.00	51.00	0.00
18.00	305.00	58.00	0.00
21.00	361.00	56.00	0.00
24.00	408.00	47.00	0.00
27.00	457.00	49.00	0.00
30.00	489.00	32.00	0.00
33.00	534.00	45.00	0.00
36.00	578.00	44.00	0.00
39.00	612.00	34.00	0.00
42.00	642.00	30.00	0.00
45.00	682.00	40.00	0.00
48.00	717.00	35.00	0.00
51.00	746.00	29.00	0.00
54.00	774.00	28.00	0.00
57.00	800.00	26.00	0.00
60.00	829.00	29.00	0.00

13208 DST# 3

RT 1890.1



12600 VOLTS

1890

WESTERN TESTING CO., INC.
FORMATION TESTING TICKET

№ 18901

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

Elevation 2157 KB Formation Kinderhook Eff. Pay ____ Ft.

District Pratt Date 7-29-93 Customer Order No. ____

COMPANY NAME McGinness Oil Co

ADDRESS 1021 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO. Richardson 1-A COUNTY Kiowa STATE Kansas Sec. 5 Twp 28 S Rge 17W

Mail Invoice To Same (Co. Name) (Address) No. Copies Requested Rig

Mail Charts To Same (Address) No. Copies Requested Rig

Formation Test No. 3 Interval Tested From 4750 ft. to 4765 ft. Total Depth 4765 ft.

Packer Depth 4745 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Packer Depth 4750 ft. Size 6 5/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4753 ft. Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 4752 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Tickrell Drilling

Mud Type Chem Viscosity 46

Weight 9.2 Water Loss 12.8 cc.

Chlorides 5700 P.P.M.

Jars: Make No Serial Number —

Did Well Flow? No Reversed Out No

Drill Collar Length 245 I. D. 2 1/4 in.

Weight Pipe Length -0- I. D. — in.

Drill Pipe Length 4485 I. D. 3.8 in.

Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Anchor Length 15 ft. Size 5 1/2 OD in.

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: Weak blow increasing to a 5 inch blow in 30 minutes on initial 5 strong blow on final flow - no gas to surface

Recovered ____ ft. of ____

Recovered 50 ft. of Mud

Recovered ____ ft. of ____

Recovered ____ ft. of ____

Recovered ____ ft. of ____

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

Time On Location 11:30 A.M. Time Pick Up Tool 12:15 A.M. Time Off Location 7:30 A.M.

Time Set Packer(s) 1:45 A.M. Time Started Off Bottom 5:15 A.M. Maximum Temperature 126 °F

Initial Hydrostatic Pressure		(A)	2438	P.S.I.	
Initial Flow Period	Minutes 30	(B)	106	P.S.I. to (C)	85 P.S.I.
Initial Closed In Period	Minutes 30	(D)	373	P.S.I.	
Final Flow Period	Minutes 60	(E)	106	P.S.I. to (F)	64 P.S.I.
Final Closed In Period	Minutes 90	(G)	1571	P.S.I.	
Final Hydrostatic Pressure		(H)	2385	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 of Customer or his authorized representative

Western Representative Red Britt - 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 7-29-93 Test Ticket No. 18901

Recorder No. Capacity Location Ft.

Clock No. Elevation Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2931 P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	30 Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	60 Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	90 Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	2397 P.S.I.			

PRESSURE BREAKDOWN

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

Point	Mins.	Press.
P 1	0	117
P 2	5	106
P 3	10	94
P 4	15	85
P 5	20	81
P 6	25	77
P 7	30	73
P 8	35	
P 9	40	
P10	45	
P11	50	
P12	55	
P13	60	
P14	65	
P15	70	
P16	75	
P17	80	
P18	85	
P19	90	
P20	95	
	100	

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

Point Minutes	Press.
0	73
3	75
6	83
9	96
12	111
15	138
18	192
21	237
24	279
27	333
30	376
33	
36	
39	
42	
45	
48	
51	
54	
57	
60	

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

Point Minutes	Press.
0	130
5	106
10	96
15	87
20	81
25	76
30	72
35	70
40	68
45	66
50	64
55	63
60	62
65	
70	
75	
80	
85	
90	
95	
100	

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

Point Minutes	Press.
0	62
3	143
6	301
9	410
12	531
15	687
18	778
21	891
24	982
27	1088
30	1172
33	1227
36	1289
39	1343
42	1383
45	1411
48	1438
51	1457
54	1470
57	1489
60	1504

WESTERN TESTING CO., INC.

Pressure Data

Date _____ Test Ticket No. _____

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2431 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	2397 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Point Mins.	Press.
P 1 105	
P 2 110	
P 3 115	
P 4 120	
P 5 125	
P 6 130	
P 7 135	
P 8 140	
P 9 145	
P10 150	
P11 155	
P12 160	
P13 165	
P14 170	
P15 175	
P16 180	
P17 185	
P18 190	
P19 195	
P20 200	

Initial Shut-In

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Point Minutes	Press.
63	
66	
69	
72	
75	
78	
81	
84	
87	
90	
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

Second Flow Pressure

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Point Minutes	Press.
105	
110	
115	
120	
125	
130	
135	
140	
145	
150	
155	
160	
165	
170	
175	
180	
185	
190	
195	
200	

Final Shut-In

Breakdown: _____ Inc.

of _____ mins. and a

final inc. of _____ Min.

Point Minutes	Press.
63	1514
66	1523
69	1529
72	1537
75	1544
78	1550
81	1554
84	1559
87	1561
90	1563
93	
96	
99	
102	
105	
108	
111	
114	
117	
120	

DST REPORT

GENERAL INFORMATION

DATE	: 7/29/93	TICKET	: 18901
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 3	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: KINDERHOOK
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4750.00 ft TO: 4765.00 ft TVD: 4765.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4753.0 ft 4756.0 ft
TEMPERATURE: 126.0

DRILL COLLAR LENGTH:	245.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4485.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 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:	4745.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4750.0 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 :	46.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	12.800 cc
CHLORIDES	: 5100 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?	: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK BLOW INCREASING TO AN 8 INCH BLOW IN 30 MINUTES. FINAL FLOW PERIOD STRONG BLOW - NO GAS TO SURFACE.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
50.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000 STB		
GAS VOLUME:	0.0000 SCF	TOTAL FLOW TIME:	90.0000 min.
MUD VOLUME:	0.2459 STB	AVERAGE OIL RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB	AVERAGE WATER RATE:	0.0000 STB/D
TOTAL FLUID :	0.2459 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2438.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	85.00
INITIAL SHUT-IN	30.00		373.00
FINAL FLOW	60.00	106.00	64.00
FINAL SHUT-IN	90.00		1571.00

FINAL HYDROSTATIC PRESSURE: 2385.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2431.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	117.00	73.00
INITIAL SHUT-IN	30.00		376.00
FINAL FLOW	60.00	130.00	62.00
FINAL SHUT-IN	90.00		1563.00

FINAL HYDROSTATIC PRESSURE: 2397.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/29/93	TICKET	: 18901
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 3	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: KINDERHOOK
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	117.00	117.00
5.00	106.00	-11.00
10.00	94.00	-12.00
15.00	85.00	-9.00
20.00	81.00	-4.00
25.00	77.00	-4.00
30.00	73.00	-4.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	75.00	75.00	0.00
6.00	83.00	8.00	0.00
9.00	96.00	13.00	0.00
12.00	111.00	15.00	0.00
15.00	138.00	27.00	0.00
18.00	192.00	54.00	0.00
21.00	237.00	45.00	0.00
24.00	279.00	42.00	0.00
27.00	333.00	54.00	0.00
30.00	376.00	43.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	130.00	130.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	106.00	-24.00
10.00	96.00	-10.00
15.00	87.00	-9.00
20.00	81.00	-6.00
25.00	76.00	-5.00
30.00	72.00	-4.00
35.00	70.00	-2.00
40.00	68.00	-2.00
45.00	66.00	-2.00
50.00	64.00	-2.00
55.00	63.00	-1.00
60.00	62.00	-1.00

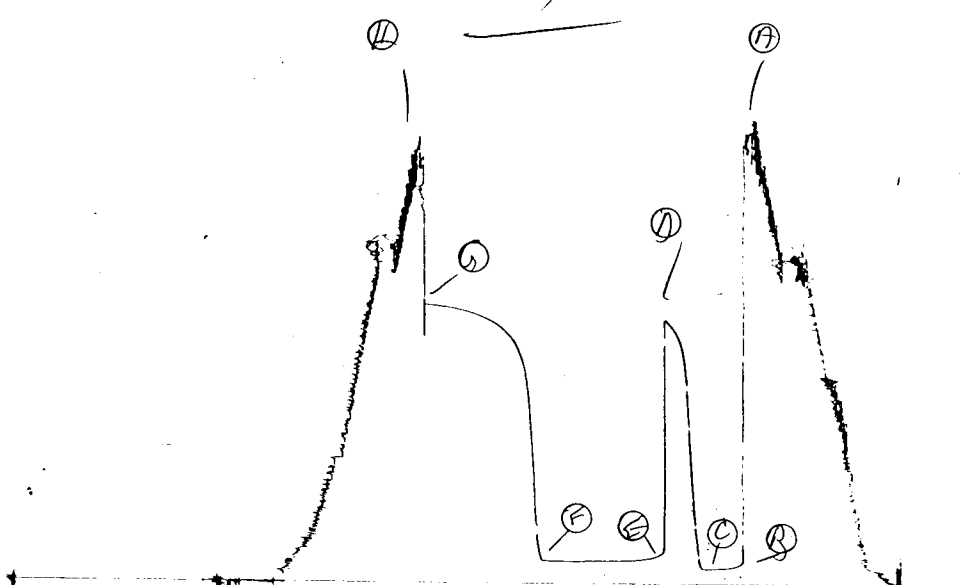
FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	143.00	143.00	0.00
6.00	301.00	158.00	0.00
9.00	410.00	109.00	0.00
12.00	531.00	121.00	0.00
15.00	687.00	156.00	0.00
18.00	778.00	91.00	0.00
21.00	891.00	113.00	0.00
24.00	982.00	91.00	0.00
27.00	1088.00	106.00	0.00
30.00	1172.00	84.00	0.00
33.00	1227.00	55.00	0.00
36.00	1289.00	62.00	0.00
39.00	1343.00	54.00	0.00
42.00	1383.00	40.00	0.00
45.00	1411.00	28.00	0.00
48.00	1438.00	27.00	0.00
51.00	1457.00	19.00	0.00
54.00	1470.00	13.00	0.00
57.00	1489.00	19.00	0.00
60.00	1504.00	15.00	0.00
63.00	1514.00	10.00	0.00
66.00	1523.00	9.00	0.00
69.00	1529.00	6.00	0.00
72.00	1537.00	8.00	0.00
75.00	1544.00	7.00	0.00
78.00	1550.00	6.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
81.00	1554.00	4.00	0.00
84.00	1559.00	5.00	0.00
87.00	1561.00	2.00	0.00
90.00	1563.00	2.00	0.00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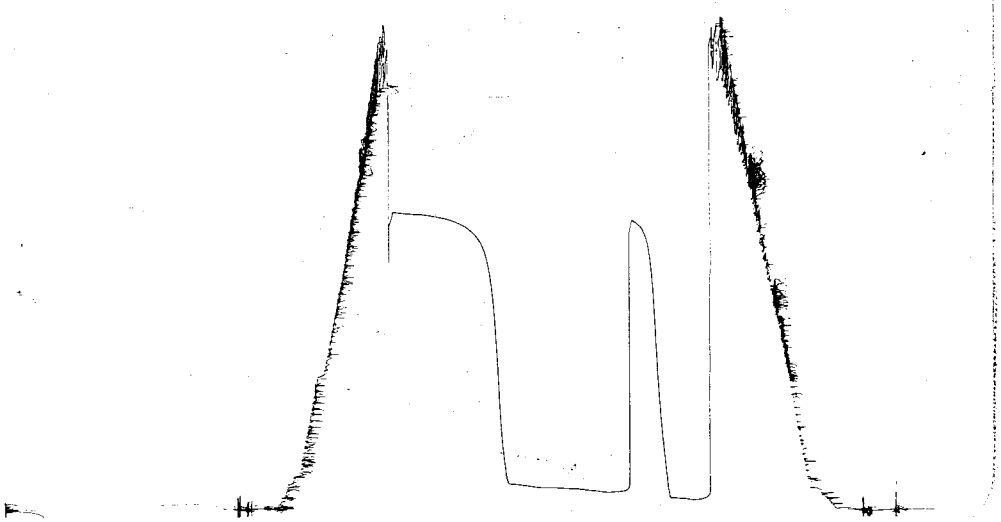

WESTERN TESTING CO., INC.

FORMATION TESTING TICKET

Final

No. 18902

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

Elevation 2157 GL Formation Kinderhook Eff. Pay Ft.

District Pratt Date 7-30-93 Customer Order No.

COMPANY NAME McGinness Oil Co

ADDRESS 1021 Union Center Bldg Wichita Kansas 67202

LEASE AND WELL NO. Richardson 1-A COUNTY Kiowa STATE Kansas Sec. 5 Twp. 28S Rge. 17W

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

Mail Charts To Same No. Copies Requested Reg
Address

Formation Test No. 4 Interval Tested From 4765 ft. to 4780 ft. Total Depth 4780 ft.

Packer Depth 4760 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Packer Depth 4765 ft. Size 6 7/8 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4767 ft. Recorder Number 13268 Cap. 4225

Bottom Recorder Depth (Outside) 4770 ft. Recorder Number 13265 Cap. 3975

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

Drilling Contractor Pickrell Drilling Drill Collar Length 245 I. D. 2 1/4 in.

Mud Type Chem Viscosity 48 Weight Pipe Length -0- I. D. — in.

Weight 9.2 Water Loss 12.8 cc. Drill Pipe Length 4500 I. D. 3.8 in.

Chlorides 5700 P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make No Serial Number — Anchor Length 15 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: Strong blow in 2 minutes on initial flow
Gas to surface 30 minutes into final flow - See flow chart

Recovered 240 ft. of free oil 38 gravity oil

Recovered ft. of

Recovered 120 ft. of Heavy gas & oil cut mud 10% gas - 30% oil - 60% mud

Recovered ft. of

Recovered 10 ft. of Water

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

Time On Location 11:30 A.M. 7-29 Time Pick Up Tool 1:20 A.M. P.M. Time Off Location 10:00 A.M. P.M.

Time Set Packer(s) 3:15 A.M. P.M. Time Started Off Bottom 7:15 A.M. P.M. Maximum Temperature 126 °F

Initial Hydrostatic Pressure		(A)	2438	P.S.I.	
Initial Flow Period	Minutes 30	(B)	95	P.S.I. to (C)	85 P.S.I.
Initial Closed In Period	Minutes 30	(D)	1434	P.S.I.	
Final Flow Period	Minutes 90	(E)	138	P.S.I. to (F)	138 P.S.I.
Final Closed In Period	Minutes 90	(G)	1540	P.S.I.	
Final Hydrostatic Pressure		(H)	2385	P.S.I.	

COMPANY TERMS

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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 of Customer or his authorized representative

Western Representative Rod Tritt 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	$

Phone 316 262-5861

P. O. Box 1599

WICHITA, KANSAS 67201

GAS FLOW REPORT

Nº 3920

Date 7-30-93 Ticket 18902 Company McGinness Oil Co

Well Name and No. Richardson 1-A Dst No. 4 Interval Tested 4765-4780

County Kiowa State Kansas Sec. 5 Twp. 28s Rg. 17w

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					
	X				
SECOND FLOW					
	Inches of Water				
30	—	1/4			Gas to surface
40	30 inches				9,200 CFPD
50	22 "				7,880
60	22 "				7,880
70	20 "				7,510
80	17 "				6,930
90	14 "				6,330

GAS BOTTLE

Serial No. _____ Date Bottle Filled _____ 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 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 _____

Authorized by _____

FORM WTC 9

WESTERN TESTING CO., INC.
Pressure Data

Date 7-30-93 Test Ticket No. 18092

Recorder No. Capacity Location Ft.

Clock No. Elevation Well Temperature °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2470 P.S.I.	Open Tool	M	
B First Initial Flow Pressure	P.S.I.	First Flow Pressure	30 Mins.	Mins.
C First Final Flow Pressure	P.S.I.	Initial Closed-in Pressure	30 Mins.	Mins.
D Initial Closed-in Pressure	P.S.I.	Second Flow Pressure	90 Mins.	Mins.
E Second Initial Flow Pressure	P.S.I.	Final Closed-in Pressure	90 Mins.	Mins.
F Second Final Flow Pressure	P.S.I.			
G Final Closed-in Pressure	P.S.I.			
H Final Hydrostatic Mud	2451 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 5 mins. and a		of 3 mins. and a		of 5 mins. and a		of 3 mins. and a	
final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.		final inc. of 0 Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	106	0	85	0	199	0	128
P 2 5	100	3	192	5	197	3	190
P 3 10	94	6	403	10	145	6	405
P 4 15	89	9	674	15	139	9	721
P 5 20	85	12	995	20	137	12	980
P 6 25	85	15	1213	25	128	15	1147
P 7 30	85	18	1312	30		18	1238
P 8 35		21	1365	35		21	1291
P 9 40		24	1398	40		24	1329
P10 45		27	1424	45		27	1360
P11 50		30	1447	50		30	1381
P12 55		33		55		33	1402
P13 60		36		60		36	1417
P14 65		39		65		39	1430
P15 70		42		70		42	1445
P16 75		45		75		45	1455
P17 80		48		80		48	1466
P18 85		51		85		51	1475
P19 90		54		90	128	54	1481
P20 95		57		95		57	1489
100		60		100		60	1497

WESTERN TESTING CO., INC.
Pressure Data

Date _____ Test Ticket No. 18092

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2470 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	2451 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	1502
P 2 110		66		110		66	1508
P 3 115		69		115		69	1511
P 4 120		72		120		72	1515
P 5 125		75		125		75	1518
P 6 130		78		130		78	1521
P 7 135		81		135		81	1523
P 8 140		84		140		84	1526
P 9 145		87		145		87	1528
P10 150		90		150		90	1529
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	: 7/30/93	TICKET	: 18902
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 4	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: KINDERHOOK
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4765.00 ft TO: 4780.00 ft TVD: 4780.0 ft
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL
DEPTH OF RECORDERS: 4767.0 ft 4770.0 ft
TEMPERATURE: 126.0

DRILL COLLAR LENGTH:	245.0 ft	I.D.:	2.250 in
WEIGHT PIPE LENGTH :	0.0 ft	I.D.:	0.000 in
DRILL PIPE LENGTH :	4500.0 ft	I.D.:	3.800 in
TEST TOOL LENGTH :	20.0 ft	TOOL SIZE :	5.500 in
ANCHOR LENGTH :	15.0 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:	4760.0 ft	SIZE:	6.630 in
PACKER DEPTH:	4765.0 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 :	48.00 cp
WEIGHT	: 9.200 ppg	WATER LOSS:	12.800 cc
CHLORIDES	: 5100 ppm		
JARS-MAKE	:	SERIAL NUMBER:	
DID WELL FLOW?	: NO	REVERSED OUT?	: NO

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 7 MINUTES.
GAS TO SURFACE IN 30 MINUTES ON FINAL FLOW PERIOD.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
240.0	100.0	0.0	0.0	0.0	FREE OIL
0.0	0.0	0.0	0.0	0.0	38 GRAVITY
120.0	30.0	10.0	0.0	60.0	HEAVY GAS & OIL CUT MUD
10.0	0.0	0.0	100.0	0.0	WATER

RATE INFORMATION

OIL VOLUME:	2.4958 STB		
GAS VOLUME:	0.3313 SCF	TOTAL FLOW TIME:	120.0000 min.
MUD VOLUME:	0.3541 STB	AVERAGE OIL RATE:	34.1987 STB/D
WATER VOLUME:	0.0492 STB	AVERAGE WATER RATE:	0.5901 STB/D
TOTAL FLUID :	2.8991 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2438.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	85.00	85.00
INITIAL SHUT-IN	30.00		1434.00
FINAL FLOW	90.00	138.00	138.00
FINAL SHUT-IN	90.00		1540.00

FINAL HYDROSTATIC PRESSURE: 2385.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2470.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	106.00	85.00
INITIAL SHUT-IN	30.00		1447.00
FINAL FLOW	90.00	149.00	128.00
FINAL SHUT-IN	90.00		1529.00

FINAL HYDROSTATIC PRESSURE: 2451.00

GAS FLOW REPORT

GENERAL INFORMATION

DATE	: 7/30/93	TICKET	: 18902
CUSTOMER	: MCGINNESS OIL COMPANY	LEASE	: RICHARDSON
WELL	: #1-A TEST: 4	GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL	FORMATION	: KINDERHOOK
SECTION	: 5	TOWNSHIP	: 28S
RANGE	: 17W COUNTY: KIOWA	STATE	: KS
GAUGE SN#	: 13268 RANGE : 4225	CLOCK	: 12

PRE FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.

SECOND FLOW

Time Guage (min)	Tester Type	Orifice Size	Pressure	Flow Desc.
40 MIN	MERLA	0.250	30" OF WATER	9200 SCF/D
50 MIN	MERLA	0.250	22" OF WATER	7880 SCF/D
60 MIN	MERLA	0.250	22" OF WATER	7880 SCF/D
70 MIN	MERLA	0.250	20" OF WATER	7510 SCF/D
80 MIN	MERLA	0.250	17" OF WATER	6930 SCF/D
90 MIN	MERLA	0.250	14" OF WATER	6330 SCF/D

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 7/30/93			TICKET	: 18902
CUSTOMER	: MCGINNESS OIL COMPANY			LEASE	: RICHARDSON
WELL	: #1-A	TEST: 4		GEOLOGIST	: MCGINNESS
ELEVATION	: 2157 GL			FORMATION	: KINDERHOOK
SECTION	: 5			TOWNSHIP	: 28S
RANGE	: 17W	COUNTY: KIOWA		STATE	: KS
GAUGE SN#	: 13268	RANGE : 4225		CLOCK	: 12

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	106.00	106.00
5.00	100.00	-6.00
10.00	94.00	-6.00
15.00	89.00	-5.00
20.00	85.00	-4.00
25.00	85.00	0.00
30.00	85.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	192.00	192.00	0.00
6.00	403.00	211.00	0.00
9.00	674.00	271.00	0.00
12.00	995.00	321.00	0.00
15.00	1213.00	218.00	0.00
18.00	1312.00	99.00	0.00
21.00	1365.00	53.00	0.00
24.00	1398.00	33.00	0.00
27.00	1424.00	26.00	0.00
30.00	1447.00	23.00	0.00

FINAL FLOW

Time (min)	Pressure	Delta P
0.00	149.00	149.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

Time (min)	Pressure	Delta P
5.00	147.00	-2.00
10.00	145.00	-2.00
15.00	139.00	-6.00
20.00	137.00	-2.00
25.00	128.00	-9.00
30.00	128.00	0.00
35.00	128.00	0.00
40.00	128.00	0.00
45.00	128.00	0.00
50.00	128.00	0.00
55.00	128.00	0.00
60.00	128.00	0.00
65.00	128.00	0.00
70.00	128.00	0.00
75.00	128.00	0.00
80.00	128.00	0.00
85.00	128.00	0.00
90.00	128.00	0.00

FINAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	190.00	190.00	0.00
6.00	405.00	215.00	0.00
9.00	721.00	316.00	0.00
12.00	980.00	259.00	0.00
15.00	1147.00	167.00	0.00
18.00	1238.00	91.00	0.00
21.00	1291.00	53.00	0.00
24.00	1329.00	38.00	0.00
27.00	1360.00	31.00	0.00
30.00	1381.00	21.00	0.00
33.00	1402.00	21.00	0.00
36.00	1417.00	15.00	0.00
39.00	1430.00	13.00	0.00
42.00	1445.00	15.00	0.00
45.00	1455.00	10.00	0.00
48.00	1466.00	11.00	0.00
51.00	1475.00	9.00	0.00
54.00	1481.00	6.00	0.00
57.00	1489.00	8.00	0.00
60.00	1497.00	8.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL SHUT IN (CONTINUED)

Time (min)	Pressure	Delta P	Horner T
63.00	1502.00	5.00	0.00
66.00	1508.00	6.00	0.00
69.00	1511.00	3.00	0.00
72.00	1515.00	4.00	0.00
75.00	1518.00	3.00	0.00
78.00	1521.00	3.00	0.00
81.00	1523.00	2.00	0.00
84.00	1526.00	3.00	0.00
87.00	1528.00	2.00	0.00
90.00	1529.00	1.00	0.00