



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET N^o 20029P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201Elevation 1569KB Formation MISS Eff. Pay _____ Ft.

District PRATT Date 10-29-93 Customer Order No. _____
COMPANY NAME Viking Resources Inc
ADDRESS 105 South Broadway Suite 1040 Wichita, Kansas 67202
LEASE AND WELL NO. CLARK #1 COUNTY Barber STATE KANSAS Sec. 8 Twp. 32S Rge. 12W
Mail Invoice To Same Co. Name CLARK OIL CO Address _____ No. Copies Requested Reg
Mail Charts To _____ Address _____ No. Copies Requested Reg

Formation Test No. 1 Interval Tested From 4304 ft. to 4350 ft. Total Depth 4350 ft.
Packer Depth 4299 ft. Size 6 5/8 in. Packer Depth 2 ft. Size 2 in.
Packer Depth 4304 ft. Size 6 5/8 in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4307 ft. Recorder Number 1057 Cap. 4250
Bottom Recorder Depth (Outside) 4310 ft. Recorder Number 4332 Cap. 4200
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____
Drilling Contractor Duke Drilling Rig 5 Drill Collar Length 0 I. D. _____ in.
Mud Type Chem Viscosity 55 Weight Pipe Length 0 I. D. _____ in.
Weight 7.5 Water Loss 10.8 cc. Drill Pipe Length 4282 I. D. 3.8 in.
Chlorides 4200 P.P.M. Test Tool Length 22 ft. Tool Size 5 1/2 OD in.
Jars: Make NO Serial Number _____ Anchor Length 46 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 1/8 in. Tool Joint Size 4 1/2 XN in.

Blow: Strong blow in 3 min on initial flow period
Strong blow depleting to a good 5 inch flow on final flow
Recovered _____ ft. of _____
Recovered 40 ft. of slightly oil spotted mud
Recovered _____ ft. of _____
Recovered 12.5 ft. of gas in pipe
Recovered _____ ft. of _____
Chlorides _____ P.P.M. Sample Jars used _____ Remarks: _____

Time On Location 11:00 A.M. Time Pick Up Tool 1:00 A.M. Time Off Location 9:00 A.M.
Time Set Packer(s) 2:35 P.M. Time Started Off Bottom 6:20 A.M. Maximum Temperature 124 °F
Initial Hydrostatic Pressure _____ (A) 2187 P.S.I.
Initial Flow Period _____ Minutes 30 (B) 86 P.S.I. to (C) 86 P.S.I.
Initial Closed In Period _____ Minutes 40 (D) 107 P.S.I.
Final Flow Period _____ Minutes 45 (E) 86 P.S.I. to (F) 86 P.S.I.
Final Closed In Period _____ Minutes 90 (G) 107 P.S.I.
Final Hydrostatic Pressure _____ (H) 2166 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 Ken C. Blane
Signature of Customer or his authorized representative

Western Representative Red Witt - 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 _____

Test Ticket No. 20029

Recorder No. _____ Capacity _____ Location _____ Ft. _____

Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2151</u>	P.S.I.		
B First Initial Flow Pressure	<u>80</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>73</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>99</u>	P.S.I.	<u>45</u> Mins.	<u>40</u> Mins.
E Second Initial Flow Pressure	<u>77</u>	P.S.I.	<u>90</u> Mins.	<u>80</u> Mins.
F Second Final Flow Pressure	<u>79</u>	P.S.I.		
G Final Closed-in Pressure	<u>82</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2140</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 0	<u>80</u>	0	<u>73</u>	0	<u>77</u>	0	<u>79</u>
P 2 5	<u>75</u>	3		5	<u>77</u>	3	<u>75</u>
P 3 10	<u>73</u>	6		10	<u>77</u>	6	<u>75</u>
P 4 15		9		15	<u>78</u>	9	<u>75</u>
P 5 20		12		20	<u>78</u>	12	<u>75</u>
P 6 25		15		25	<u>78</u>	15	<u>76</u>
P 7 30	<u>73</u>	18		30	<u>79</u>	18	<u>76</u>
P 8 35		21	<u>73</u>	35	<u>79</u>	21	<u>76</u>
P 9 40		24	<u>74</u>	40	<u>79</u>	24	<u>76</u>
P10 45		27	<u>75</u>	45		27	<u>77</u>
P11 50		30	<u>76</u>	50		30	<u>77</u>
P12 55		33	<u>77</u>	55		33	<u>77</u>
P13 60		36	<u>78</u>	60		36	<u>77</u>
P14 65		39	<u>79</u>	65		39	<u>78</u>
P15 70		42	<u>80</u>	70		42	<u>78</u>
P16 75		45	<u>81</u>	75		45	<u>78</u>
P17 80		48	<u>84</u>	80		48	<u>78</u>
P18 85		51	<u>87</u>	85		51	<u>79</u>
P19 90		54	<u>90</u>	90		54	<u>79</u>
P20 95		57	<u>93</u>	95		57	<u>79</u>
100		60	<u>97</u>	100		60	<u>79</u>

WESTERN TESTING CO., INC.

Pressure Data

Date: _____

Test Ticket No. 20029

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

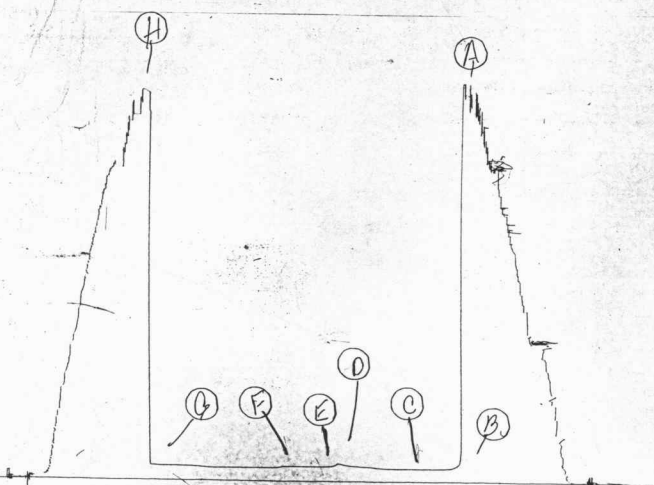
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.	
of _____ mins. and a		of _____ mins. and a		of _____ mins. and a		of _____ mins. and a	
final inc. of _____ Min.		final inc. of _____ 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	79 80
P 2 110		66		110		66	79 81
P 3 115		69		115		69	80 81
P 4 120		72		120		72	80 81
P 5 125		75		125		75	80 81
P 6 130		78		130		78	80 81
P 7 135		81		135		81	81
P 8 140		84		140		84	81
P 9 145		87		145		87	82
P10 150		90		150		90	82
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	

1051 DST #1



TL# 20029

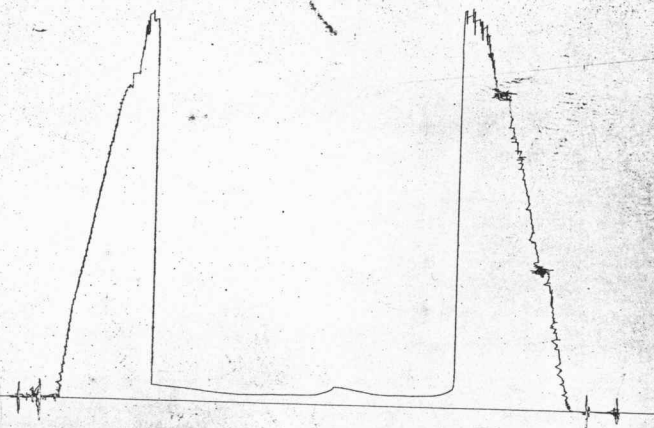
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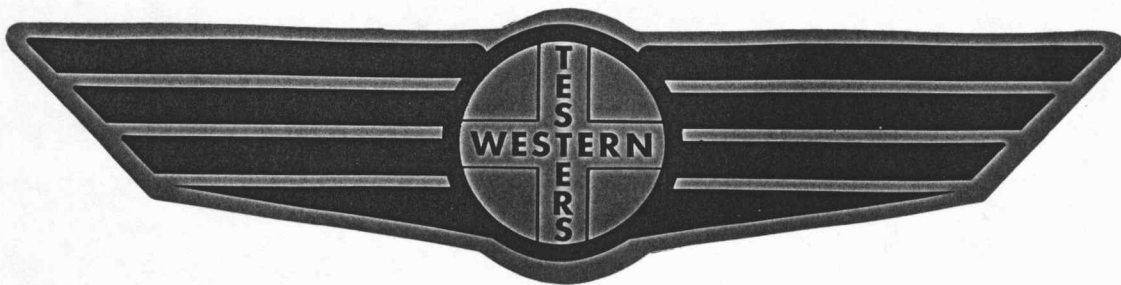
4332 DST #1

TL# 20029

O.



FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE	: 10/29/93	TICKET	: 20029
CUSTOMER	: VIKING RESOURCES INC.	LEASE	: CLARK OWWO
WELL	: #1	TEST: 1	GEOLOGIST: LEBLANC
ELEVATION	: 1569 KB	FORMATION	: MISSISSIPPI
SECTION	: 8	TOWNSHIP	: 32S
RANGE	: 12W	STATE	: KS
GAUGE SN#	: 1051	RANGE	: 4250
		CLOCK	: 12

WELL INFORMATION

PERFORATION INTERVAL FROM:	4304.00 ft	TO:	4350.00 ft	TVD:	4350.0 ft
DEPTH OF SELECTIVE ZONE:				TEST TYPE:	OIL
DEPTH OF RECORDERS:	4307.0 ft		4310.0 ft		
TEMPERATURE:	124.0				
DRILL COLLAR LENGTH:	0.0 ft	I.D.:		0.000 in	
WEIGHT PIPE LENGTH:	0.0 ft	I.D.:		0.000 in	
DRILL PIPE LENGTH:	4282.0 ft	I.D.:		3.800 in	
TEST TOOL LENGTH:	22.0 ft	TOOL SIZE:		5.500 in	
ANCHOR LENGTH:	46.0 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:	4299.0 ft	SIZE:		6.630 in	
PACKER DEPTH:	4304.0 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.:	DUKE DRLG RIG 5	VISCOSITY:	55.00 cp
MUD TYPE:	CHEMICAL	WATER LOSS:	10.800 cc
WEIGHT:	9.500 ppg	SERIAL NUMBER:	
CHLORIDES:	4200 ppm	REVERSED OUT?:	NO
JARS-MAKE:			
DID WELL FLOW?:	NO		

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW IN 3 MINUTES.
FINAL FLOW PERIOD STRONG BLOW - DEPLEATING TO A
GOOD 5 INCH BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
40.0	1.0	0.0	0.0	99.0	SLIGHTLY OIL SPOTTED MUD
0.0	0.0	0.0	0.0	0.0	125 FT GAS ABOVE FLUID

RATE INFORMATION

OIL VOLUME:	0.0056 STB	TOTAL FLOW TIME:	70.0000 min.
GAS VOLUME:	0.0000 SCF	AVERAGE OIL RATE:	11.5417 STB/D
MUD VOLUME:	0.5554 STB	AVERAGE WATER RATE:	0.0000 STB/D
WATER VOLUME:	0.0000 STB		
TOTAL FLUID :	0.5611 STB		

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2187.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	86.00	86.00
INITIAL SHUT-IN	60.00		107.00
FINAL FLOW	45.00	86.00	86.00
FINAL SHUT-IN	90.00		107.00

FINAL HYDROSTATIC PRESSURE: 2166.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2151.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	80.00	73.00
INITIAL SHUT-IN	60.00		97.00
FINAL FLOW	40.00	77.00	79.00
FINAL SHUT-IN	90.00		82.00

FINAL HYDROSTATIC PRESSURE: 2140.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/29/93	TICKET	: 20029
CUSTOMER	: VIKING RESOURCES INC.	LEASE	: CLARK OWWO
WELL	: #1	GEOLOGIST	: LEBLANC
ELEVATION	: 1569 KB	FORMATION	: MISSISSIPPI
SECTION	: 8	TOWNSHIP	: 32S
RANGE	: 12W	STATE	: KS
GAUGE SN#	: 1051	CLOCK	: 12
	COUNTY: BARBER		
	RANGE : 4250		

INITIAL FLOW

Time (min)	Pressure	Delta P
0.00	80.00	80.00
5.00	75.00	-5.00
10.00	73.00	-2.00
15.00	73.00	0.00
20.00	73.00	0.00
25.00	73.00	0.00
30.00	73.00	0.00

INITIAL SHUT IN

Time (min)	Pressure	Delta P	Horner T
3.00	73.00	73.00	0.00
6.00	73.00	0.00	0.00
9.00	73.00	0.00	0.00
12.00	73.00	0.00	0.00
15.00	73.00	0.00	0.00
18.00	73.00	0.00	0.00
21.00	73.00	0.00	0.00
24.00	74.00	1.00	0.00
27.00	75.00	1.00	0.00
30.00	76.00	1.00	0.00
33.00	77.00	1.00	0.00
36.00	78.00	1.00	0.00
39.00	79.00	1.00	0.00
42.00	80.00	1.00	0.00
45.00	81.00	1.00	0.00
48.00	84.00	3.00	0.00
51.00	87.00	3.00	0.00
54.00	90.00	3.00	0.00
57.00	93.00	3.00	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	97.00	4.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	77.00	77.00
5.00	77.00	0.00
10.00	77.00	0.00
15.00	78.00	1.00
20.00	78.00	0.00
25.00	78.00	0.00
30.00	79.00	1.00
35.00	79.00	0.00
40.00	79.00	0.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	75.00	75.00	0.00
6.00	75.00	0.00	0.00
9.00	75.00	0.00	0.00
12.00	75.00	0.00	0.00
15.00	76.00	1.00	0.00
18.00	76.00	0.00	0.00
21.00	76.00	0.00	0.00
24.00	76.00	0.00	0.00
27.00	77.00	1.00	0.00
30.00	77.00	0.00	0.00
33.00	77.00	0.00	0.00
36.00	77.00	0.00	0.00
39.00	78.00	1.00	0.00
42.00	78.00	0.00	0.00
45.00	78.00	0.00	0.00
48.00	78.00	0.00	0.00
51.00	79.00	1.00	0.00
54.00	79.00	0.00	0.00
57.00	79.00	0.00	0.00
60.00	79.00	0.00	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>
63.00	79.00	0.00	0.00
66.00	79.00	0.00	0.00
69.00	80.00	1.00	0.00
72.00	80.00	0.00	0.00
75.00	80.00	0.00	0.00
78.00	81.00	1.00	0.00
81.00	81.00	0.00	0.00
84.00	81.00	0.00	0.00
87.00	82.00	1.00	0.00
90.00	82.00	0.00	0.00