



# WESTERN TESTING CO., INC.

## FORMATION TESTING

### TICKET N° 19881

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

Elevation NA      Formation Pleasanton-Marm      Eff. Pay \_\_\_\_\_ Ft.

District Colby      Date 10-11-93      Customer Order No. \_\_\_\_\_

COMPANY NAME Viking Resources, Inc

ADDRESS 105 S Broadway Suite 1040 Wichita KS 67202

LEASE AND WELL NO. Riley #1      COUNTY Lane      STATE KS      Sec. 25      Twp. 17      Rge. 29

Mail Invoice To Same      No. Copies Requested Reg

Co. Name \_\_\_\_\_      Address \_\_\_\_\_

Mail Charts To Same      No. Copies Requested Reg

Address \_\_\_\_\_

Formation Test No. 1      Interval Tested From 4320      ft. to 4403      ft.      Total Depth 4403      ft.

Packer Depth 4315      ft.      Size 6 3/4      in.      Packer Depth \_\_\_\_\_      ft.      Size \_\_\_\_\_      in.

Packer Depth 4320      ft.      Size 6 3/4      in.      Packer Depth \_\_\_\_\_      ft.      Size \_\_\_\_\_      in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4323      ft.      Recorder Number 13670      Cap. 3950

Bottom Recorder Depth (Outside) 4326      ft.      Recorder Number 13400      Cap. 3950

Below Straddle Recorder Depth \_\_\_\_\_      ft.      Recorder Number \_\_\_\_\_      Cap. \_\_\_\_\_

Drilling Contractor Pickrell Rig #10      Drill Collar Length 120      I. D. 2.2      in.

Mud Type Chemical      Viscosity 44      Weight Pipe Length \_\_\_\_\_      I. D. \_\_\_\_\_      in.

Weight 9.3      Water Loss 7.2      cc.      Drill Pipe Length 4177      I. D. 3.8      in.

Chlorides 2500      P.P.M.      Test Tool Length 23      ft.      Tool Size 5 1/2 OD      in.

Jars: Make NO      Serial Number \_\_\_\_\_      Anchor Length 83      ft.      Size 5 1/2 OD      in.

Did Well Flow? NO      Reversed Out Yes      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 KH      in.

Blow: 1FP - Strong blow - Bottom of bucket in 1 min

FFP - Strong blow - Bottom of bucket on opening

Recovered 1830 ft. of gas      Above fluid

Recovered 2573 ft. of gassy oil      70% oil      30% gas

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_      Gravity 39      corrected to 60°

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Chlorides \_\_\_\_\_      P.P.M.      Sample Jars used \_\_\_\_\_      Remarks: Gas to surface on last minute of final flow - not enough to measure -

Time On Location 10:00      A.M.      Time Pick Up Tool 10:30      P.M.      Time Off Location 7:00      A.M.

Time Set Packer(s) 12:10      P.M.      Time Started Off Bottom 2:55      P.M.      Maximum Temperature 127

Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2254      P.S.I.

Initial Flow Period \_\_\_\_\_ Minutes 30      (B) 312      P.S.I. to (C) 643      P.S.I.

Initial Closed In Period \_\_\_\_\_ Minutes 45      (D) 1240      P.S.I.

Final Flow Period \_\_\_\_\_ Minutes 30      (E) 692      P.S.I. to (F) 916      P.S.I.

Final Closed In Period \_\_\_\_\_ Minutes 60      (G) 1230      P.S.I.

Final Hydrostatic Pressure \_\_\_\_\_ (H) 2125      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 Mike Skurvit  
[Signature]

#### 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 10-11-93 Test Ticket No. 19881  
 Recorder No. 13670 Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.  
 Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

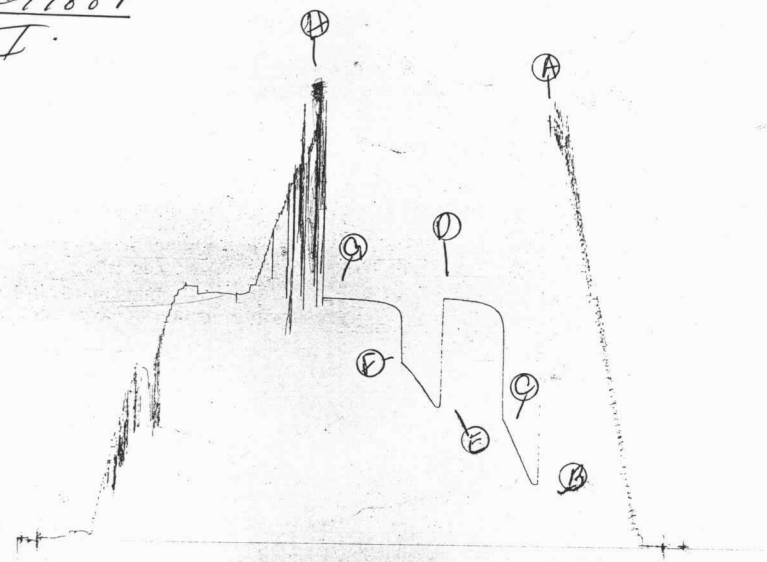
Point	Pressure		Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2221</u>	P.S.I.			M
B First Initial Flow Pressure	<u>313</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>638</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>1244</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>691</u> <del>514</del>	P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>914</u>	P.S.I.			
G Final Closed-in Pressure	<u>1238</u>	P.S.I.			
H Final Hydrostatic Mud	<u>2183</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>313</u>	0	<u>638</u>	0	<u>691</u>	0	<u>914</u>
P 2 5	<u>328</u>	3	<u>1175</u>	5	<u>712</u>	3	<u>1185</u>
P 3 10	<u>402</u>	6	<u>1195</u>	10	<u>761</u>	6	<u>1201</u>
P 4 15	<u>480</u>	9	<u>1209</u>	15	<u>813</u>	9	<u>1211</u>
P 5 20	<u>558</u>	12	<u>1219</u>	20	<u>860</u>	12	<u>1217</u>
P 6 25	<u>638</u>	15	<u>1224</u>	25	<u>897</u>	15	<u>1221</u>
P 7 30		18	<u>1230</u>	30	<u>914</u>	18	<u>1223</u>
P 8 35		21	<u>1232</u>	35		21	<u>1225</u>
P 9 40		24	<del>1237</del> <u>1237</u>	40		24	<u>1226</u>
P10 45		27	<u>1238</u>	45		27	<u>1227</u>
P11 50		30	<u>1239</u>	50		30	<u>1228</u>
P12 55		33	<u>1240</u>	55		33	<u>1229</u>
P13 60		36	<u>1241</u>	60		36	<u>1230</u>
P14 65		39	<u>1242</u>	65		39	<u>1231</u>
P15 70		42	<u>1243</u>	70		42	<u>1232</u>
P16 75		45	<u>1244</u>	75		45	<u>1233</u>
P17 80		48		80		48	<u>1234</u>
P18 85		51		85		51	<u>1235</u>
P19 90		54		90		54	<u>1236</u>
P20 95		57		95		57	<u>1237</u>
100		60		100		60	<u>1238</u>

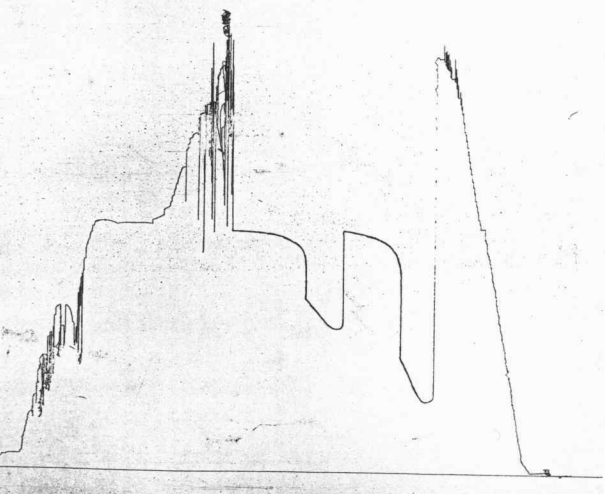
13760

TK#19881  
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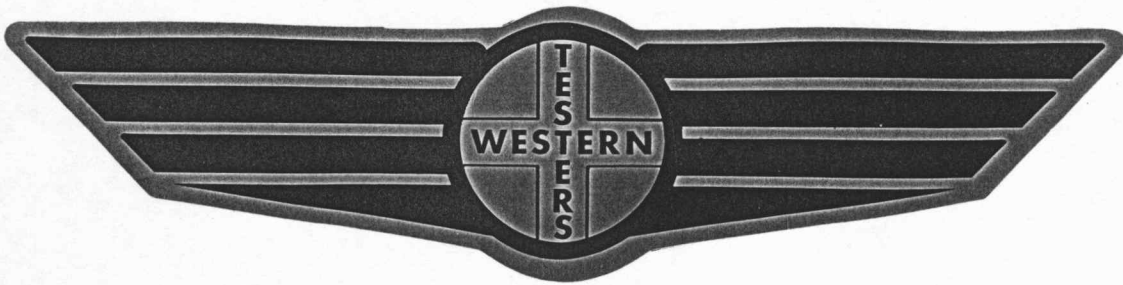


13400

TK#19881  
O.



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 10/11/93  
CUSTOMER : VIKING RESOURCES, INC.  
WELL : #1 TEST: 1  
ELEVATION: N/A  
SECTION : 25  
RANGE : 29W COUNTY: LANE  
GAUGE SN#: 13760 RANGE : 3950  
TICKET : 19881  
LEASE : RILEY  
GEOLOGIST: ?  
FORMATION: PLEASANTON-MARMATON  
TOWNSHIP : 17S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4320.00 ft TO: 4403.00 ft TVD: 4403.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4323.0 ft 4326.0 ft  
TEMPERATURE: 127.0  
DRILL COLLAR LENGTH: 120.0 ft I.D.: 2.200 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4177.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 83.0 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: 4315.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4320.0 ft SIZE: 6.750 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : PICKRELL RIG #10  
MUD TYPE : CHEMICAL VISCOSITY : 44.00 cp  
WEIGHT : 9.300 ppg WATER LOSS: 7.200 cc  
CHLORIDES : 2500 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: YES

COMMENTS

Comment

INITIAL FLOW PERIOD STRONG BLOW - BOTTOM OF BUCKET  
IN 1 MINUTE. FINAL FLOW PERIOD STRONG BLOW BOTTOM  
OF BUCKET ON OPENING.

DST REPORT (CONTINUED)

COMMENTS (CONTINUED)

Comment

GAS TO SURFACE ON LAST MINUTE OF FINAL FLOW - NOT ENOUGH TO GUAGE.

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
0.0	0.0	0.0	0.0	0.0	1830 FT GAS ABOVE FLUID
2573.0	70.0	30.0	0.0	0.0	GASSY OIL
0.0	0.0	0.0	0.0	0.0	GRAVITY 39 CORRECTED TO
0.0	0.0	0.0	0.0	0.0	60 DEGREES

RATE INFORMATION

OIL VOLUME:	24.4796	STB	TOTAL FLOW TIME:	55.0000	min.
GAS VOLUME:	58.9083	SCF	AVERAGE OIL RATE:	640.9196	STB/D
MUD VOLUME:	0.0000	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	24.4796	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2254.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	312.00	643.00
INITIAL SHUT-IN	45.00		1240.00
FINAL FLOW	30.00	692.00	916.00
FINAL SHUT-IN	60.00		1230.00

FINAL HYDROSTATIC PRESSURE: 2125.00

DST REPORT (CONTINUED)

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2221.00

<u>Description</u>	<u>Duration</u>	<u>p1</u>	<u>p End</u>
INITIAL FLOW	25.00	313.00	638.00
INITIAL SHUT-IN	45.00		1244.00
FINAL FLOW	30.00	691.00	914.00
FINAL SHUT-IN	60.00		1238.00

FINAL HYDROSTATIC PRESSURE: 2183.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE : 10/11/93	TICKET : 19881
CUSTOMER : VIKING RESOURCES, INC.	LEASE : RILEY
WELL : #1	TEST: 1
ELEVATION: N/A	GEOLOGIST: ?
SECTION : 25	FORMATION: PLEASANTON-MARMATON
RANGE : 29W	TOWNSHIP : 17S
COUNTY: LANE	STATE : KS
GAUGE SN#: 13760	RANGE : 3950
	CLOCK : 12

INITIAL FLOW

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>
0.00	313.00	313.00
5.00	328.00	15.00
10.00	402.00	74.00
15.00	480.00	78.00
20.00	558.00	78.00
25.00	638.00	80.00

INITIAL SHUT IN

<u>Time</u> (min)	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1175.00	1175.00	0.00
6.00	1195.00	20.00	0.00
9.00	1209.00	14.00	0.00
12.00	1219.00	10.00	0.00
15.00	1224.00	5.00	0.00
18.00	1230.00	6.00	0.00
21.00	1232.00	2.00	0.00
24.00	1237.00	5.00	0.00
27.00	1238.00	1.00	0.00
30.00	1239.00	1.00	0.00
33.00	1240.00	1.00	0.00
36.00	1241.00	1.00	0.00
39.00	1242.00	1.00	0.00
42.00	1243.00	1.00	0.00
45.00	1244.00	1.00	0.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	691.00	691.00
5.00	712.00	21.00
10.00	761.00	49.00
15.00	813.00	52.00
20.00	860.00	47.00
25.00	897.00	37.00
30.00	914.00	17.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	1185.00	1185.00	0.00
6.00	1201.00	16.00	0.00
9.00	1211.00	10.00	0.00
12.00	1217.00	6.00	0.00
15.00	1221.00	4.00	0.00
18.00	1223.00	2.00	0.00
21.00	1225.00	2.00	0.00
24.00	1226.00	1.00	0.00
27.00	1227.00	1.00	0.00
30.00	1228.00	1.00	0.00
33.00	1229.00	1.00	0.00
36.00	1230.00	1.00	0.00
39.00	1231.00	1.00	0.00
42.00	1232.00	1.00	0.00
45.00	1233.00	1.00	0.00
48.00	1234.00	1.00	0.00
51.00	1235.00	1.00	0.00
54.00	1236.00	1.00	0.00
57.00	1237.00	1.00	0.00
60.00	1238.00	1.00	0.00



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET N° 19882

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

Elevation NA Formation Miss Eff. Pay Ft.

District Colby Date 10 12 93 Customer Order No.

COMPANY NAME Viking Resources, Inc

ADDRESS 105 S Broadway Suite 1040 Wichita KS

LEASE AND WELL NO. Riley #1 COUNTY Lane STATE KS Sec. 25 Twp. 17 Rge. 29

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

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

Formation Test No. 2 Interval Tested From 4532 ft. to 4600 ft. Total Depth 4600 ft.

Packer Depth 4527 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4532 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4535 ft. Recorder Number 13760 Cap. 3950

Bottom Recorder Depth (Outside) 4538 ft. Recorder Number 13400 Cap. 3950

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

Drilling Contractor Pickrell Drill Collar Length 150 I. D. 2.2 in.

Mud Type Chemical Viscosity 52 Weight Pipe Length - I. D. -

Weight 9.4 Water Loss 600 cc. Drill Pipe Length 3359 459 I. D. 3.8

Chlorides 3000 P.P.M. Test Tool Length 23 ft. Tool Size 5 1/2 OD in.

Jars: Make # Serial Number - Anchor Length 68 ft. Size 5 1/2 OD in.

Did Well Flow? # Reversed Out # Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 in.

Blow: IFP - Weak surface blow - steady FFP - no blow

Recovered 20 ft. of mud

Recovered ft. of

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 1 30 A.M. P.M. Time Off Location 9 00 A.M. P.M.

Time Set Packer(s) 3 25 A.M. P.M. Time Started Off Bottom 5 25 A.M. P.M. Maximum Temperature 133

Initial Hydrostatic Pressure (A) 2254 P.S.I.

Initial Flow Period Minutes 30 (B) 48 P.S.I. to (C) 48 P.S.I.

Initial Closed In Period Minutes 30 (D) 750 P.S.I.

Final Flow Period Minutes 30 (E) 48 P.S.I. to (F) 48 P.S.I.

Final Closed In Period Minutes 30 (G) 682 P.S.I.

Final Hydrostatic Pressure (H) 2254 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] Mike Shubert

FIELD INVOICE

Table with 2 columns: Item 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, Telecopier, and TOTAL.

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

Date 10-12-83 Test Ticket No. 19882

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft.

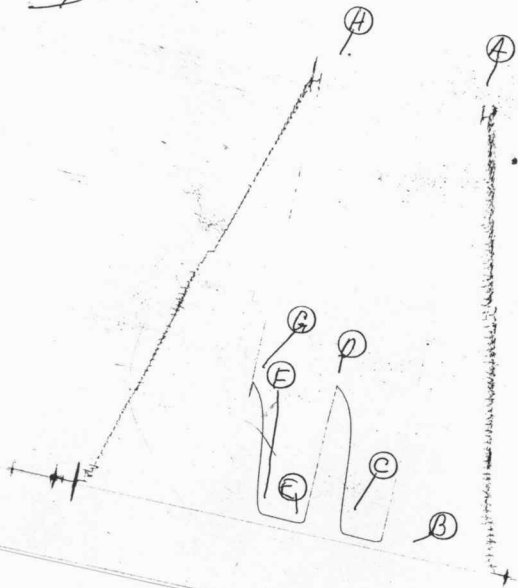
Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

Point	Pressure	P.S.I.	Open Tool	M	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2265</u>	P.S.I.	Open Tool	M		
B First Initial Flow Pressure	<u>37</u>	P.S.I.	First Flow Pressure		<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>41</u>	P.S.I.	Initial Closed-in Pressure		<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>765</u>	P.S.I.	Second Flow Pressure		<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>59</u>	P.S.I.	Final Closed-in Pressure		<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>52</u>	P.S.I.				
G Final Closed-in Pressure	<u>689</u>	P.S.I.				
H Final Hydrostatic Mud	<u>2259</u>	P.S.I.				

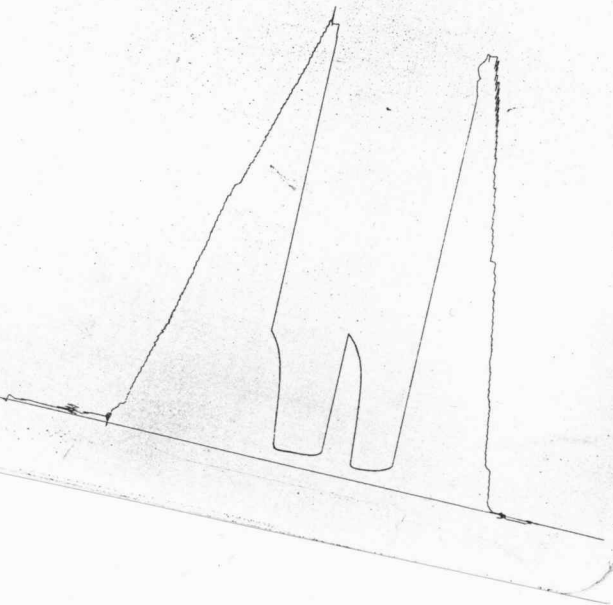
**PRESSURE BREAKDOWN**

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>37</u>	0	<u>41</u>	0	<u>59</u>	0	<u>52</u>
P 2 5	<u>37</u>	3	<u>61</u>	5	<u>44</u>	3	<u>76</u>
P 3 10	<u>38</u>	6	<u>203</u>	10	<u>46</u>	6	<u>150</u>
P 4 15	<u>38</u>	9	<u>447</u>	15	<u>48</u>	9	<u>287</u>
P 5 20	<u>39</u>	12	<u>591</u>	20	<u>50</u>	12	<u>449</u>
P 6 25	<u>40</u>	15	<u>648</u>	25	<u>51</u>	15	<u>552</u>
P 7 30	<u>41</u>	18	<u>683</u>	30	<u>52</u>	18	<u>609</u>
P 8 35		21	<u>716</u>	35		21	<u>644</u>
P 9 40		24	<u>739</u>	40		24	<u>669</u>
P 10 45		27	<u>753</u>	45		27	<u>689</u>
P 11 50		30	<u>765</u>	50		30	
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	

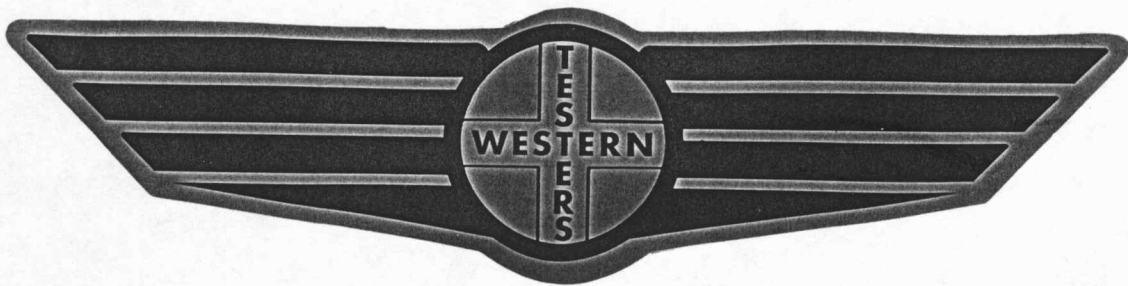
TK # 19882  
I.



TK # 19882  
O.



# FORMATION TEST REPORT



Home Office:

Wichita, Kansas 67201

P.O. Box 1599

Phone 1 - 80 - 688 - 7021

DST REPORT

GENERAL INFORMATION

DATE : 10/12/93  
CUSTOMER : VIKING RESOURCES, INC.  
WELL : #1 TEST: 2  
ELEVATION: N/A  
SECTION : 25  
RANGE : 29W COUNTY: LANE  
GAUGE SN#: 13760 RANGE : 3950  
TICKET : 19882  
LEASE : RILEY  
GEOLOGIST: ?  
FORMATION: MISSISSIPPI  
TOWNSHIP : 17S  
STATE : KS  
CLOCK : 12

WELL INFORMATION

PERFORATION INTERVAL FROM: 4532.00 ft TO: 4600.00 ft TVD: 4600.0 ft  
DEPTH OF SELECTIVE ZONE: TEST TYPE: OIL  
DEPTH OF RECORDERS: 4535.0 ft 4538.0 ft  
TEMPERATURE: 133.0  
DRILL COLLAR LENGTH: 150.0 ft I.D.: 2.200 in  
WEIGHT PIPE LENGTH : 0.0 ft I.D.: 0.000 in  
DRILL PIPE LENGTH : 4359.0 ft I.D.: 3.800 in  
TEST TOOL LENGTH : 23.0 ft TOOL SIZE : 5.500 in  
ANCHOR LENGTH : 68.0 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: 4527.0 ft SIZE: 6.750 in  
PACKER DEPTH: 4532.0 ft SIZE: 6.750 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in  
PACKER DEPTH: 0.0 ft SIZE: 0.000 in

MUD INFORMATION

DRILLING CON. : PICKRELL RIG #10  
MUD TYPE : CHEMICAL VISCOSITY : 52.00 cp  
WEIGHT : 9.400 ppg WATER LOSS: 8.000 cc  
CHLORIDES : 3000 ppm  
JARS-MAKE :  
DID WELL FLOW?: NO SERIAL NUMBER:  
REVERSED OUT?: NO

COMMENTS

Comment

INITIAL FLOW PERIOD WEAK SURFACE BLOW - STEADY.  
FINAL FLOW PERIOD NO BLOW.

DST REPORT (CONTINUED)

FLUID RECOVERY

Feet of Fluid	% Oil	% Gas	% Water	% Mud	Comments
20.0	0.0	0.0	0.0	100.0	MUD

RATE INFORMATION

OIL VOLUME:	0.0000	STB	TOTAL FLOW TIME:	60.0000	min.
GAS VOLUME:	0.0000	SCF	AVERAGE OIL RATE:	0.0000	STB/D
MUD VOLUME:	0.0940	STB	AVERAGE WATER RATE:	0.0000	STB/D
WATER VOLUME:	0.0000	STB			
TOTAL FLUID :	0.0940	STB			

FIELD TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2254.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	48.00	48.00
INITIAL SHUT-IN	30.00		750.00
FINAL FLOW	30.00	48.00	48.00
FINAL SHUT-IN	30.00		682.00

FINAL HYDROSTATIC PRESSURE: 2254.00

OFFICE TIME & PRESSURE INFORMATION

INITIAL HYDROSTATIC PRESSURE: 2265.00

Description	Duration	p1	p End
INITIAL FLOW	30.00	37.00	41.00
INITIAL SHUT-IN	30.00		765.00
FINAL FLOW	30.00	59.00	52.00
FINAL SHUT-IN	27.00		689.00

FINAL HYDROSTATIC PRESSURE: 2257.00

PRESSURE TRANSIENT REPORT

GENERAL INFORMATION

DATE	: 10/12/93	TICKET	: 19882
CUSTOMER	: VIKING RESOURCES, INC.	LEASE	: RILEY
WELL	: #1	TEST:	2
ELEVATION:	N/A	GEOLOGIST:	?
SECTION	: 25	FORMATION:	MISSISSIPPI
RANGE	: 29W	TOWNSHIP	: 17S
GAUGE SN#:	13760	STATE	: KS
		CLOCK	: 12
		COUNTY:	LANE
		RANGE	: 3950

INITIAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	37.00	37.00
5.00	37.00	0.00
10.00	38.00	1.00
15.00	38.00	0.00
20.00	39.00	1.00
25.00	40.00	1.00
30.00	41.00	1.00

INITIAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	61.00	61.00	0.00
6.00	203.00	142.00	0.00
9.00	447.00	244.00	0.00
12.00	591.00	144.00	0.00
15.00	648.00	57.00	0.00
18.00	683.00	35.00	0.00
21.00	716.00	33.00	0.00
24.00	739.00	23.00	0.00
27.00	753.00	14.00	0.00
30.00	765.00	12.00	0.00

FINAL FLOW

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
0.00	59.00	59.00

PRESSURE TRANSIENT REPORT (CONTINUED)

FINAL FLOW (CONTINUED)

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>
5.00	44.00	-15.00
10.00	46.00	2.00
15.00	48.00	2.00
20.00	50.00	2.00
25.00	51.00	1.00
30.00	52.00	1.00

FINAL SHUT IN

<u>Time (min)</u>	<u>Pressure</u>	<u>Delta P</u>	<u>Horner T</u>
3.00	76.00	76.00	0.00
6.00	156.00	80.00	0.00
9.00	287.00	131.00	0.00
12.00	449.00	162.00	0.00
15.00	552.00	103.00	0.00
18.00	609.00	57.00	0.00
21.00	644.00	35.00	0.00
24.00	669.00	25.00	0.00
27.00	689.00	20.00	0.00