

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name DOLL #1-9 OWWO Test No. 1 Date 10/27/93
Company VIKING RESOURCES INC Zone MYRIK ST
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2691 KB
Co. Rep./Geo. ROB PATTON Cont. PICKRELL DRLG Est. Ft. of Pay _____
Location: Sec. 9 Twp. 16S Rge. 30W Co. LANE State KS

Interval Tested 4235-4282
Anchor Length 47
Top Packer Depth 4230-4235
Bottom Packer Depth 4282
Total Depth 4450

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 120
Mud Wt. 9 lb/Gal.
Viscosity 41 Filtrate N/C

Tool Open @ 9:30 AM Initial Blow FAIR TO STRONG BLOW - PACKERS APPEARED TO BE
FAILING-LOSING FLUID

Final Blow FAIR BLOW-LOSING FLUID ON BACKSIDE AGAIN-CHARTS
SHOW PACKERS LEAKING AND TOOL PLUGGING-MISRUN

Recovery - Total Feet 360

Flush Tool? NO

Rec. 180 Feet of GASSY OIL CUT MUD
Rec. 180 Feet of SLTLY OIL CUT WATER
Rec. _____ Feet of _____
Rec. _____ Feet of _____
Rec. _____ Feet of _____

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 6000 ppm System

(A) Initial Hydrostatic Mud _____ PSI AK1 Recorder No. 13224 Range 4350

(B) First Initial Flow Pressure _____ PSI @ (depth) 4274 w / Clock No. 27785

(C) First Final Flow Pressure _____ PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure _____ PSI @ (depth) 4278 w / Clock No. 30410

(E) Second Initial Flow Pressure _____ PSI AK1 Recorder No. 13278 Range 4400

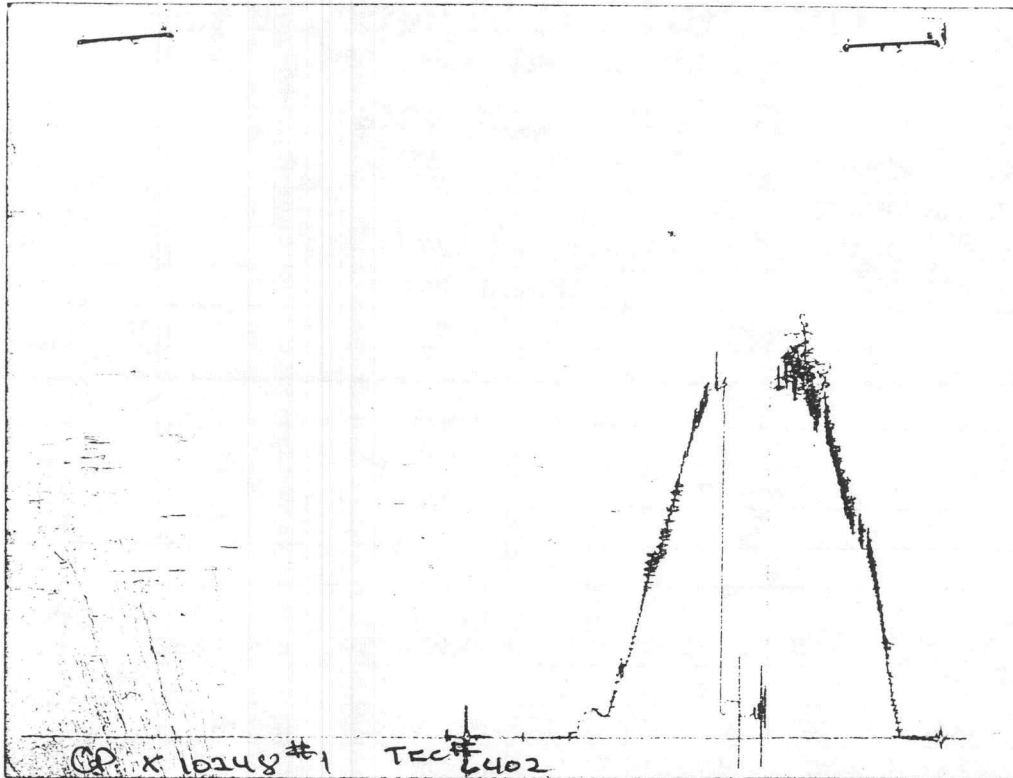
(F) Second Final Flow Pressure _____ PSI @ (depth) 4447 w / Clock No. 22993

(G) Final Shut-in Pressure _____ PSI Initial Opening 12 Final Flow 3

(H) Final Hydrostatic Mud _____ PSI Initial Shut-in 10 Final Shut-in _____

Our Representative GARY PEVOTEAUX

CHART PAGE



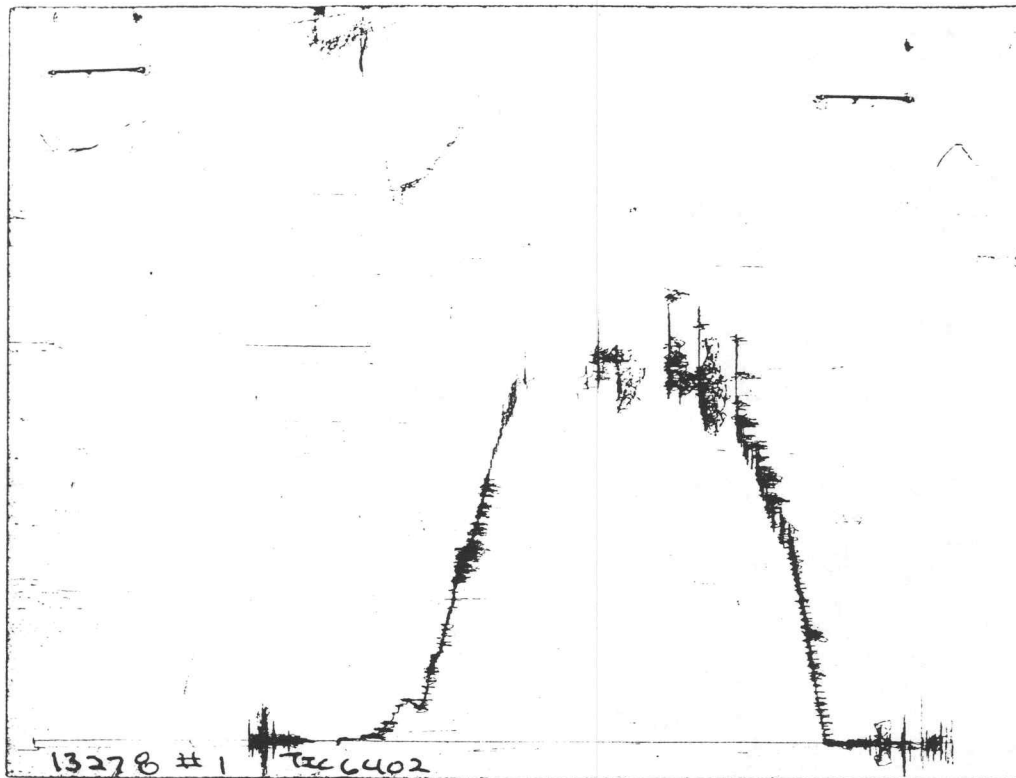
This is an actual photograph of recorder chart

FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

CHART PAGE



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FIELD
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- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

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Drill-Stem Test Data

Well Name DOLL #1-9 OWWO Test No. 2 Date 10/28/93
Company VIKING RESOURCES INC Zone MYRIK ST
Address 105 S BROADWAY #1040 WICHITA KS 67202-4224 Elevation 2691 KB
Co. Rep./Geo. ROB PATTON Cont. PICKRELL DRLG Est. Ft. of Pay _____
Location: Sec. 9 Twp. 16S Rge. 30W Co. LANE State KS

Interval Tested 4243-4282
Anchor Length 39
Top Packer Depth 4238-4243
Bottom Packer Depth 4282
Total Depth 4450

Drill Pipe Size 4.5" XH
Wt. Pipe I.D. - 2.7 Ft. Run _____
Drill Collar - 2.25 Ft. Run 60
Mud Wt. 9 lb/Gal.
Viscosity 51 Filtrate N/C

Tool Open @ 12:00 AM Initial Blow STRONG BLOW-BOTTOM OF BUCKET IN 45 SECONDS

Final Blow FAIR TO STRONG BLOW-BOTTOM OF BUCKET IN 7 TO 8 MINUTES

Recovery - Total Feet 970/75' GIP Flush Tool? NO

Rec. <u>105</u>	Feet of	<u>OIL & GAS CUT WATERY MUD-15%GAS/15%OIL/5%WTR/65%MUD</u>
Rec. <u>185</u>	Feet of	<u>OIL & GAS CUT MUDDY WTR-15%GAS/15%OIL/40%WTR/30%MUD</u>
Rec. <u>245</u>	Feet of	<u>GSY OIL CUT WTR-30% GAS/ 10% OIL/ 60% WTR</u>
Rec. <u>125</u>	Feet of	<u>SLTLY OIL CUT WTR-3% OIL/97% WTR</u>
Rec. <u>310</u>	Feet of	<u>SLTLY OIL CUT WATER-1%OIL/99% WTR</u>

BHT 120 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
RW 0.33 @ 71 °F Chlorides 28000 ppm Recovery Chlorides 5000 ppm System

(A) Initial Hydrostatic Mud 2015.6 PSI AK1 Recorder No. 13224 Range 4350

(B) First Initial Flow Pressure 151.2 PSI @ (depth) 4274 w / Clock No. 27785

(C) First Final Flow Pressure 296.7 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 374.5 PSI @ (depth) 4278 w / Clock No. 30410

(E) Second Initial Flow Pressure 315.6 PSI AK1 Recorder No. 13278 Range 4400

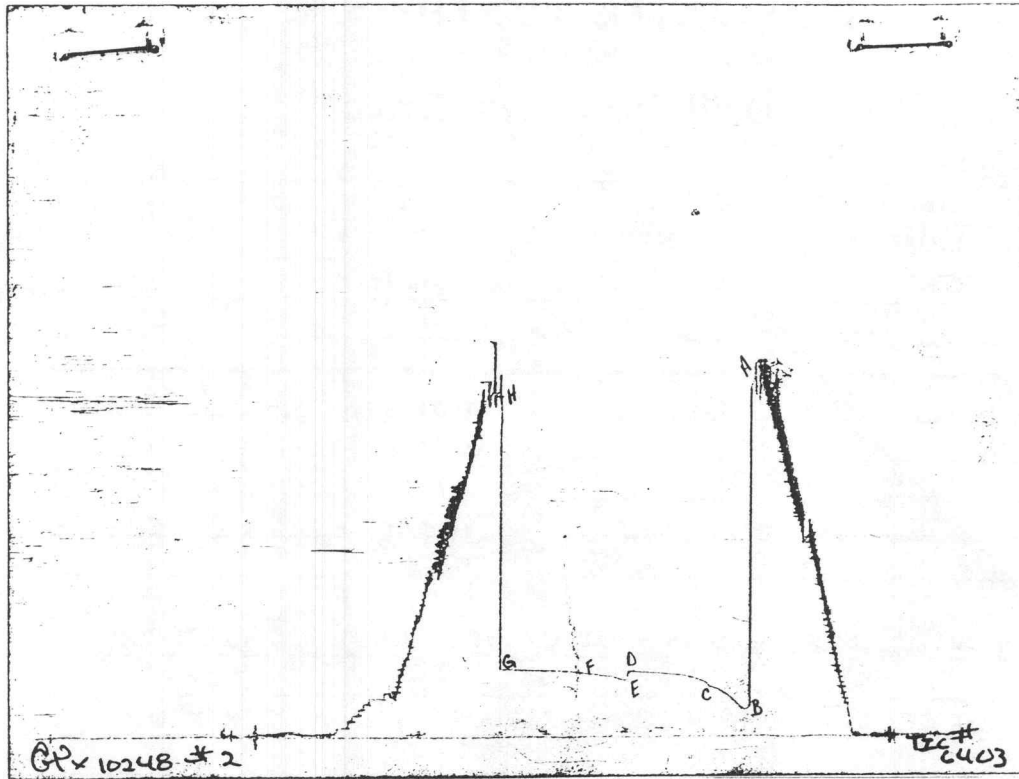
(F) Second Final Flow Pressure 368.9 PSI @ (depth) 4447 w / Clock No. 22993

(G) Final Shut-in Pressure 378.9 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1956.7 PSI Initial Shut-in 60 Final Shut-in 60

Our Representative GARY PEVOTEAUX

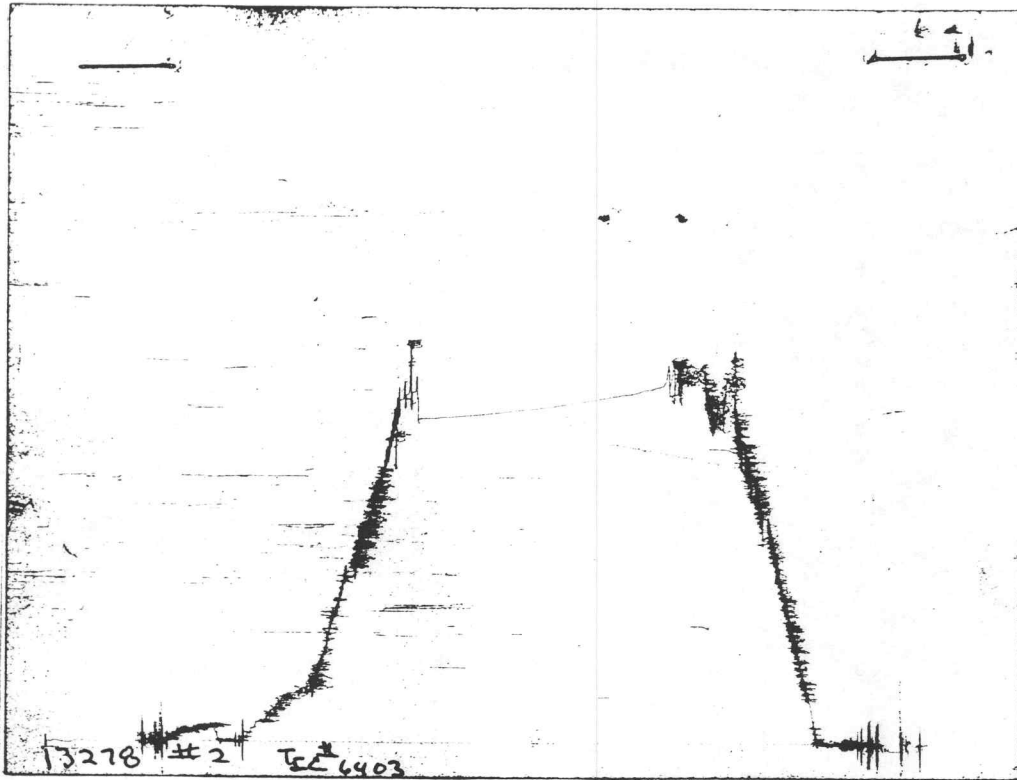
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	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2014	2015.6
(B) FIRST INITIAL FLOW PRESSURE	146	151.2
(C) FIRST FINAL FLOW PRESSURE	294	296.7
(D) INITIAL CLOSED-IN PRESSURE	377	374.5
(E) SECOND INITIAL FLOW PRESSURE	310	315.6
(F) SECOND FINAL FLOW PRESSURE	366	368.9
(G) FINAL CLOSED-IN PRESSURE	377	378.9
(H) FINAL HYDROSTATIC MUD	1953	1956.7

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FIELD
READING

OFFICE
READING

- (A) INITIAL HYDROSTATIC MUD
- (B) FIRST INITIAL FLOW PRESSURE
- (C) FIRST FINAL FLOW PRESSURE
- (D) INITIAL CLOSED-IN PRESSURE
- (E) SECOND INITIAL FLOW PRESSURE
- (F) SECOND FINAL FLOW PRESSURE
- (G) FINAL CLOSED-IN PRESSURE
- (H) FINAL HYDROSTATIC MUD

CALCULATED RECOVERY ANALYSIS

DST

2

TICKET #

6403

SAMPLE	TOTAL	GAS		OIL		WATER		MUD	
#	FEET	%	FEET	%	FEET	%	FEET	%	FEET
DRILL 1	105	15	15.75	15	15.75	5	5.25	65	68.25
PIPE 2	185	15	27.75	15	27.75	40	74	30	55.5
3	245	30	73.5	10	24.5	60	147	0	0
4	125	0	0	3	3.75	97	121.25	0	0
5	250	0	0	1	2.5	99	247.5	0	0
6			0		0		0		0
WEIGHT 1			0		0		0		0
PIPE 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
DRILL 1	60	0	0	1	0.6	99	59.4	0	0
COLLAR 2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
TOTAL	970		117		74.85		654.4		123.75

HRS OPEN BBL/DAY

BBL OIL= 1.058769 * 1 25.410456

BBL WATER= 8.751366 * 210.03278

BBL MUD= 1.759725

BBL GAS = 1.66374

