

15-033-20846

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

28-33s-17w

KCC

APR 28

CONFIDENTIAL

Computer Inventoried

Drill-Stem Test Data

Well Name MARY LOU JOBE #1-28 Test No. 1 Date 2/23/92
 Company VINTAGE PETROLEUM INC. Zone Tested FT SCOTT
 Address 4200 ONE WILLIAMS CNTR TULSA OK 74172 Elevation 1848 K.B.
 Co. Rep./Geo. AUSTIN WARNER Cont. VAL ENERGY RIG #1 Est. Ft. of Pay 10
 Location: Sec. 28 Twp. 33S Rge. 17W Co. COMMANCHE State KS

Interval Tested 4963-4996
 Anchor Length 33
 Top Packer Depth 4958
 Bottom Packer Depth 4963
 Total Depth 4996

Drill Pipe Size 4.5 XH
 Wt. Pipe I.D. - 2.7 Ft. Run
 Drill Collar - 2.25 Ft. Run

Mud Wt. 9 lb / gal. Viscosity 55 Filtrate 8

Tool Open @ 8:46 AM Initial Blow GOOD BLOW OFF BOTTOM IN 30 SECONDS

Final Blow OFF BOTTOM IN 5 SECONDS-GAS TO SURFACE IN 6 MIN
ON SECOND FLOW - 30.6 MCF/DAY

Recovery — Total Feet 40 Flush Tool?

Rec. 4923 Feet of GAS IN PIPE

Rec. 40 Feet of MUD

Rec. Feet of

Rec. Feet of

Rec. Feet of

BHT 122 °F Gravity °API @ °F Corrected Gravity °API

RW 1 @ 64 °F Chlorides 7500 ppm Recovery Chlorides 5800 ppm System

(A) Initial Hydrostatic Mud 2402.1 PSI Ak1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 24.7 PSI @ (depth) 4965 w/Clock No. 27501

(C) First Final Flow Pressure 25.8 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-in Pressure 1675.1 PSI @ (depth) 4991 w/Clock No. 27573

(E) Second Initial Flow Pressure 25.8 PSI AK1 Recorder No. Range

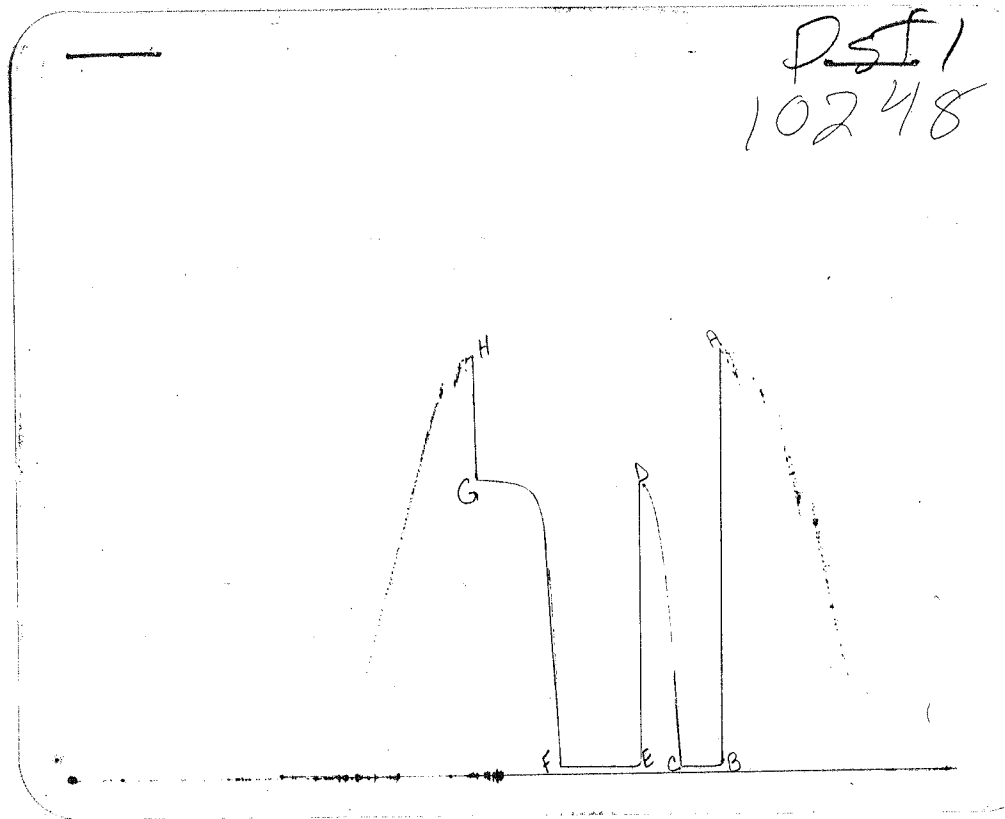
(F) Second Final Flow Pressure 31.4 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 1701.5 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2385.4 PSI Initial Shut-In 30 Final Shut-In 60

Our Representative MARK HERSKOWITZ

TOTAL PRICE \$ 1050



POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2425	2402.1
(B) FIRST INITIAL FLOW PRESSURE	24	24.7
(C) FIRST FINAL FLOW PRESSURE	24	25.8
(D) INITIAL CLOSED-IN PRESSURE	1653	1675.1
(E) SECOND INITIAL FLOW PRESSURE	36	25.8
(F) SECOND FINAL FLOW PRESSURE	24	31.4
(G) FINAL CLOSED-IN PRESSURE	1653	1701.5
(H) FINAL HYDROSTATIC MUD	2389	2385.4

COMMANCHE KS

[illegible]

LEVATION:	1848 KB	EST. PAY:	10 FT
ATUM:	-3144	ZONE TESTED:	FT SCOTT
EST INTERVAL:	4963-4996		
		TIME INTERVALS:	30-30-60-60
ECORDER DEPTH:	4991	VISCOSITY:	.01581 CP
OTTOM HOLE TEMP:	122	HOLE SIZE:	7.875 IN
OMPRESSIBILITY :	.9969	GAS GRAVITY:	.6973

[illegible]

TEMPERATURE RANKINE	582 &
TRANSMISSIBILITY	143.3804 Kh/%
THEORITICAL FLOW CAPACITY	2.266845 Kh
AVERAGE EFFECTIVE PERMEABILITY	.2266845 K(md.)
RADIUS OF INVESTIGATION	4.516813 FT.
DAMAGE RATIO	4.114362
ABSOLUTE OPEN FLOW(MAX)	30.60974 MCFD
ABSOLUTE OPEN FLOW(MIN)	30.60487 MCFD
THEORITICAL OPEN FLOW(MAX)	125.9396 MCFD
THEORITICAL OPEN FLOW(MIN)	125.9195 MCFD
POTENTIOMETRIC SURFACE	938.5744 (FT.)

[illegible]

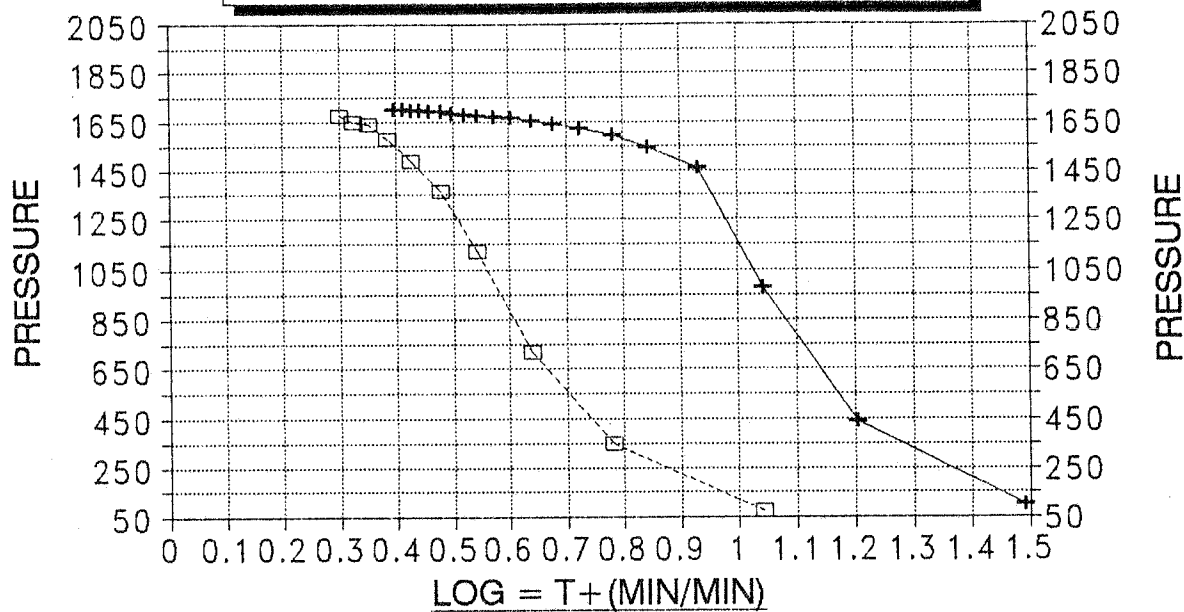
THEORETICAL STATIC PRESSURE	1972.525 (inaccurate)
LOPE	1084896

THEORETICAL STATIC PRESSURE 1760.058
SLOPE 202700.5

DRAWDOWN FACTOR 10.77132 (%) (inaccurate)

HORNER PLOT

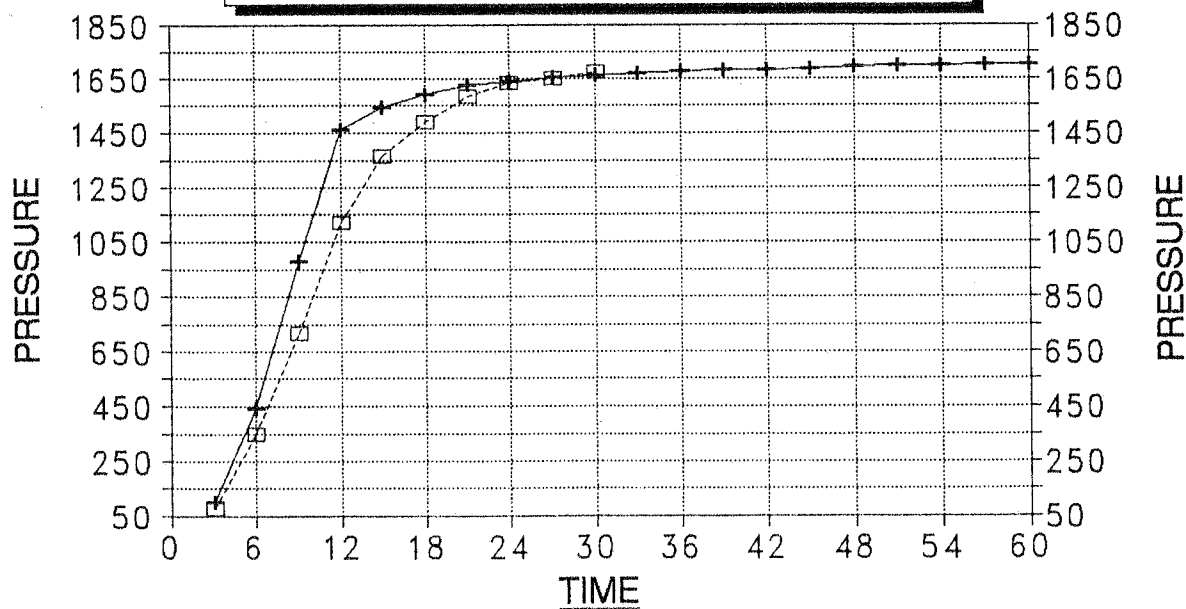
DST #1 / MARY LOU JOBE #1-28



---□--- INITIAL —+— FINAL

DELTA T DELTA P

DST #1 / MARY LOU JOBE #1-28



---□--- INITIAL —+— FINAL

MARY LOU JOBE #1DST #1
INITIAL SHUTIN

30 INITIAL FLOW TIME

Slope psi/cycle
P * 1,973 psi

TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	74.9	11	1.041	74.9
6	349.0	6	0.778	274.1
9	716.6	4	0.637	367.6
12	1119.9	4	0.544	403.3
15	1364.4	3	0.477	244.5
18	1488.6	3	0.426	124.2
21	1583.6	2	0.385	95.0
24	1636.5	2	0.352	52.9
X 27	1651.9	2	0.325	15.4
X 30	1675.1	2	0.301	23.2

MARY LOU JOBE #1DST #1
FINAL SHUTIN

90 TOTAL FLOW

TIME

Slope psi/cycle
P * 1,759 psi

TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	101.8	31	1.491	101.8
6	442.5	16	1.204	340.7
9	979.9	11	1.041	537.4
12	1459.9	9	0.929	480.0
15	1545.0	7	0.845	85.1
18	1594.6	6	0.778	49.6
21	1625.5	5	0.723	30.9
24	1640.9	5	0.677	15.4
27	1653.0	4	0.637	12.1
30	1662.9	4	0.602	9.9
33	1669.5	4	0.571	6.6
36	1676.2	4	0.544	6.7
39	1680.6	3	0.520	4.4
42	1685.0	3	0.497	4.4
45	1689.4	3	0.477	4.4
X 48	1692.7	3	0.459	3.3
51	1694.9	3	0.442	2.2
54	1697.1	3	0.426	2.2
57	1699.3	3	0.411	2.2
X 60	1701.5	3	0.398	2.2

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 4481 Date 2/23/92
Company Name VINTAGE PETROLEUM INC.
Lease MARY LOU JOBE #1-28 Test No. 1
County COMMANCHE Sec. 28 Twp. 33S Rng. 17W

SAMPLER RECOVERY

Gas 15.6 cu ft ML Chlorides 5800 ppm.
Oil _____ ML Resistivity _____ ohms @ _____ F
Mud _____ ML Viscosity 55
Water _____ ML Mud Weight 9
Other _____ ML Filtrate 8
Pressure 1375 PSI Other _____
Total 4500 ML _____

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F TOP
Chlorides _____ ppm.
Gravity _____ corrected @ 60 F

PIPE RECOVERY

Resistivity 1 ohms @ 64 F
Chlorides 7500 ppm.

MIDDLE

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F
Chlorides _____ ppm.



GAS VOLUME REPORT

1

DST NO.

Remarks:

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

HN: JEFF TASSONE

Test Ticket

No 4481

Well Name & No. <u>MARY LOU JOBE 1-28</u>	Test No. <u>1</u>	Date <u>2-23-92</u>
Company <u>VINTAGE PET INC</u>	Zone Tested <u>FT SCOTT</u>	
Address <u>4200 WILLIAMS CENTER TULSA</u>		
Co. Rep./Geo. _____	Cont. <u>VAL - RIG 1</u>	Elevation _____
Location: Sec. <u>28</u>	Twp. <u>33</u>	Rge. <u>17</u>
Co. <u>COMMANCHE</u>		State <u>KS</u>
No. of Copies _____	Distribution Sheet _____	Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested <u>4963 - 4986</u>	Drill Pipe Size <u>4 1/2 XH</u>
Anchor Length <u>33</u>	Top Choke — 1" _____ Bottom Choke — 3/4" _____
Top Packer Depth <u>4958</u>	Hole Size — 77/8" _____ Rubber Size — 63/4" _____
Bottom Packer Depth <u>4963</u>	Wt. Pipe I.D. — 2.7 Ft. Run _____
Total Depth <u>4996</u>	Drill Collar — 2.25 Ft. Run _____
Mud Wt. <u>90</u> LCM 1/2" lb/gal.	Viscosity <u>55</u> Filtrate <u>8.0</u>
Tool Open @ <u>8:46 AM</u>	Initial Blow <u>Good Blow OFF BOTTOM 30. SEC</u>

Final Blow <u>OFF BOTTOM IN 5 SEC</u>	<u>Gas to SUR 6 MIN</u>
<u>OK SEC FLOW</u>	<u>30.6 MCF/DAY</u>

Recovery — Total Feet <u>40</u>	Feet of Gas in Pipe <u>4923</u>	Flush Tool? _____
Rec. <u>40</u>	Feet Of <u>MUD</u>	%gas _____ %oil _____ %water <u>100</u> %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____
Rec. _____	Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____

BHT <u>122</u> °F	Gravity _____	°API @ _____	°F Corrected Gravity _____	°API _____
RW <u>1.0</u> @ <u>64</u> °F	Chlorides <u>7500</u> ppm	Recovery _____	Chlorides <u>5800</u> ppm	System _____
(A) Initial Hydrostatic Mud <u>2425</u> PSI	Ak1 Recorder No. <u>13308</u>	Range <u>4700</u>		
(B) First Initial Flow Pressure <u>24</u> PSI	@ (depth) <u>4965</u>	w/Clock No. <u>27501</u>		
(C) First Final Flow Pressure <u>24</u> PSI	Ak1 Recorder No. <u>10248</u>	Range <u>4400</u>		
(D) Initial Shut-In Pressure <u>1653</u> PSI	@ (depth) <u>4991</u>	w/Clock No. <u>27573</u>		
(E) Second Initial Flow Pressure <u>34</u> PSI	Ak1 Recorder No. _____	Range _____		
(F) Second Final Flow Pressure <u>24</u> PSI	@ (depth) _____	w/Clock No. _____		
(G) Final Shut-In Pressure <u>1653</u> PSI	Initial Opening <u>30</u>	Test <u>✓</u>		
(H) Final Hydrostatic Mud <u>2389</u> PSI	Initial Shut-In <u>30</u>	Jars <u>✓</u>		

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow <u>60</u>	Safety Joint <u>✓</u>
Final Shut-In <u>60</u>	Straddle _____
	Circ. Sub <u>✓ NC</u>
	Sampler <u>✓</u>
	Extra Packer _____
	Other _____

Approved By Gen. R. [Signature]

Our Representative Mark [Signature]

Vintage

WELL NAME Mary Lou Jobe

DST # 1

RECORDER # 10248

INIT. HYD. MUD. 2402.1

FINAL HYD. MUD 2.145

2385.4

INITIAL FLOW

MINUTES 30

INTERVAL 3

INITIAL SHUTIN

MINUTES 30

INTERVAL 3

FINAL FLOW

MINUTES 60

INTERVAL 3

FINAL SHUTIN

MINUTES 60

INTERVAL 3

<u>.022</u>	<u>24.7</u>	<u>.023</u>	<u>-</u>	1	<u>.023</u>	<u>25.8</u>	<u>.028</u>	<u>-</u>
		<u>.072</u>		2	<u>.024</u>		<u>.094</u>	
		<u>.310</u>		3	<u>.025</u>		<u>.392</u>	
		<u>.629</u>		4	<u>.026</u>		<u>.876</u>	
		<u>1.602</u>		5	<u>.027</u>		<u>1.308</u>	
		<u>1.222</u>		6	<u>"</u>		<u>1.385</u>	
		<u>1.334</u>		7			<u>1.430</u>	
		<u>1.420</u>		8			<u>1.458</u>	
		<u>1.468</u>		9			<u>1.472</u>	
		<u>1.482</u>		10			<u>1.483</u>	
<u>.023</u>	<u>25.8</u>	<u>1.509</u>	<u>1675.1</u>	11	<u>.027</u>		<u>1.492</u>	
				12			<u>1.498</u>	
				13			<u>1.564</u>	
				14			<u>1.568</u>	
				15			<u>1.512</u>	
				16	<u>.028</u>		<u>1.516</u>	
				17			<u>1.519</u>	
				18			<u>1.520</u>	
				19			<u>1.523</u>	
				20			<u>1.525</u>	
				21	<u>.028</u>	<u>31.4</u>	<u>1.527</u>	<u>1701.5</u>
				22				
				23				
				24				
				25				
				26				
				27				

0.023	25.8635
0.072	74.952
0.31	349.06
0.639	716.667
1.002	1119.923
1.222	1364.449
1.334	1488.688
1.42	1583.654
1.468	1636.555
1.482	1651.977
1.503	1675.105

0.028	31.46267
0.094	101.8678
0.393	442.518
0.876	979.953
1.308	1459.946
1.385	1545.035
1.43	1594.679
1.458	1625.538
1.472	1640.962
1.483	1653.079
1.492	1662.991
1.498	1669.598
1.504	1676.207
1.508	1680.614
1.512	1685.021
1.516	1689.427
1.519	1692.732
1.521	1694.935
1.523	1697.138
1.525	1699.341
1.527	1701.544

STATIC PRESSURE 1972.525
SLOPE 1084896
POINTS USED 2

gas visc.

STATIC PRESSURE 1760.058
SLOPE 202700.5
POINTS USED 5

0.01581

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name MARY LOU JOBE #1-28 Test No. 2 Date 2/24/92
Company VINTAGE PETROLEUM INC. Zone Tested MISSISSIPPI
Address 4200 ONE WILLIAMS CNTR TULSA OK 74172 Elevation 1848 K.B.
Co. Rep./Geo. AUSTIN WARNER Cont. VAL ENERGY RIG #1 Est. Ft. of Pay 20
Location: Sec. 28 Twp. 33S Rge. 17W Co. COMMANCHE State KS

Interval Tested 5096-5188
Anchor Length 92
Top Packer Depth 5091
Bottom Packer Depth 5096
Total Depth 5188

Drill Pipe Size 4.5 XH
Wt. Pipe I.D. - 2.7 Ft. Run
Drill Collar - 2.25 Ft. Run

Mud Wt. 9.1 lb / gal. Viscosity 49 Filtrate 9.2

Tool Open @ 12:54 PM Initial Blow OFF BOTTOM IN 15 SECONDS-7" OF WTR-1" ORIFICE =
68.3 MCF/DAY

Final Blow 5 SECONDS OFF BOTTOM-7" OF WATER ON 1" ORIFICE = 68.3
MCF/DAY-GAS TO SURFACE 8 MINUTES INTO FIRST OPENING

Recovery — Total Feet 625 Flush Tool?

Rec. 4471 Feet of GAS IN PIPE

Rec. 315 Feet of GASSY MUD W/ TRACE OIL-50%GAS/50%MUD

Rec. 248 Feet of GSY OIL & MUD CUT WTR-19%GAS/1%OIL/50%WTR/30%MUD

Rec. 62 Feet of GSY OIL & MUD CUT WATER-20%GAS/2%OIL/58%WTR/20%MUD

Rec. Feet of

BHT 124 °F Gravity °API @ °F Corrected Gravity °API

RW 0.15 @ 70 °F Chlorides 48000 ppm Recovery Chlorides 6300 ppm System

(A) Initial Hydrostatic Mud 2452.1 PSI AK1 Recorder No. 13308 Range 4700

(B) First Initial Flow Pressure 101.8 PSI @ (depth) 5098 w/Clock No. 27501

(C) First Final Flow Pressure 135.1 PSI AK1 Recorder No. 10248 Range 4400

(D) Initial Shut-In Pressure 1615.6 PSI @ (depth) 5183 w/Clock No. 27573

(E) Second Initial Flow Pressure 154.2 PSI AK1 Recorder No. Range

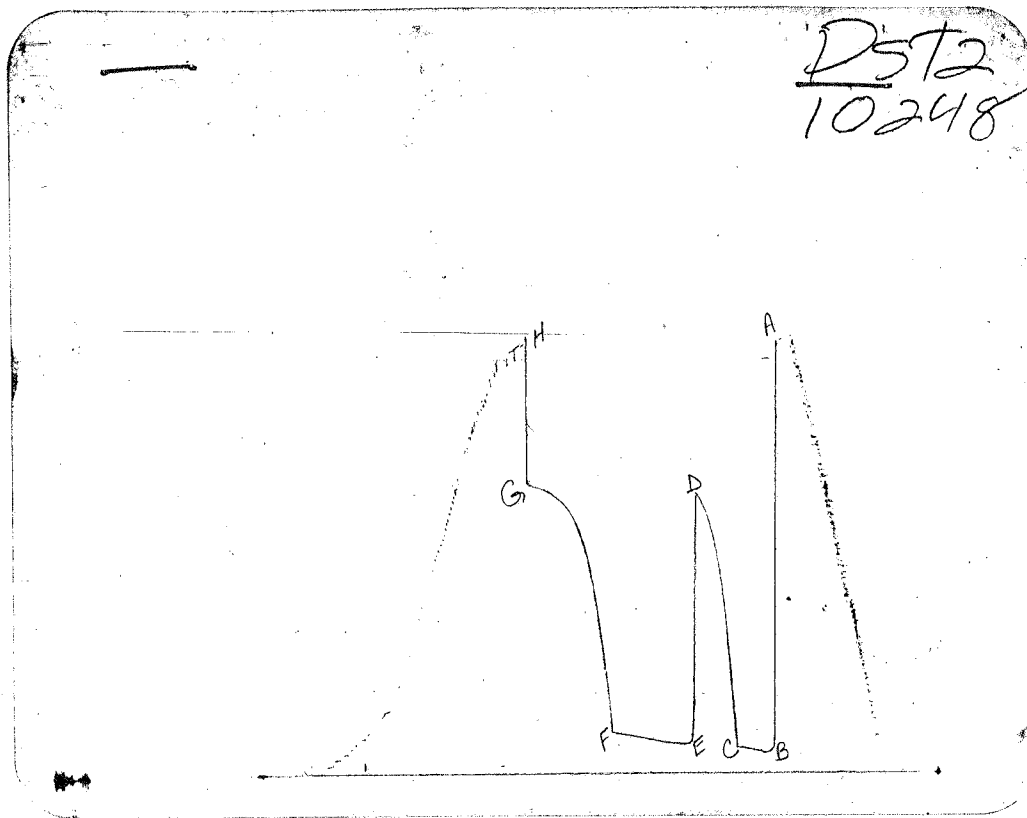
(F) Second Final Flow Pressure 224 PSI @ (depth) w/Clock No.

(G) Final Shut-In Pressure 1649.7 PSI Initial Opening 30 Final Flow 60

(H) Final Hydrostatic Mud 2447.7 PSI Initial Shut-In 30 Final Shut-In 60

Our Representative MARK HERSKOWITZ

TOTAL PRICE \$ 1150



POINT This is an actual photograph of recorder chart
PRESSURE

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2496	2452.1
(B) FIRST INITIAL FLOW PRESSURE	97	101.8
(C) FIRST FINAL FLOW PRESSURE	145	135.1
(D) INITIAL CLOSED-IN PRESSURE	1618	1615.6
(E) SECOND INITIAL FLOW PRESSURE	169	154.2
(F) SECOND FINAL FLOW PRESSURE	240	224
(G) FINAL CLOSED-IN PRESSURE	1653	1649.7
(H) FINAL HYDROSTATIC MUD	2448	2447.7

COMMANCHE KS

TEST PARAMETERS

TIME INTERVALS: 30-30-60-60

[illegible]

TEMPERATURE RANKINE	584 &
TRANSMISSIBILITY	88.58456 Kh/%
THEORITICAL FLOW CAPACITY	1.43507 Kh
AVERAGE EFFECTIVE PERMEABILITY	7.175349E-02 K(md.)
RADIUS OF INVESTIGATION	2.541223 FT.
DAMAGE RATIO	1.808609
ABSOLUTE OPEN FLOW(MAX)	69.30614 MCFD
ABSOLUTE OPEN FLOW(MIN)	68.80123 MCFD
THEORITICAL OPEN FLOW(MAX)	125.3477 MCFD
THEORITICAL OPEN FLOW(MIN)	124.4345 MCFD
POTENTIOMETRIC SURFACE	976.2949 (FT.)

[illegible]

```

FINAL SHUT-IN VALUES
THEORETICAL STATIC PRESSURE  1859.118
SLOPE                        734811.3

```

DRAWDOWN FACTOR 20.40148 (%) (inaccurate)

MARY LOU JOBE #1DST #2

INITIAL

SHUTIN

30 INITIAL FLOW TIME

Slope psi/cycle
P * 2,336 psi

TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	334.4	11	1.041	334.4
6	521.9	6	0.778	187.5
9	757.7	4	0.637	235.8
12	963.2	4	0.544	205.5
15	1159.9	3	0.477	196.7
18	1266.6	3	0.426	106.7
21	1363.3	2	0.385	96.7
24	1457.7	2	0.352	94.4
27	1518.5	2	0.325	60.8
X 30	1563.8	2	0.301	45.3
X 33	1615.6	2	0.281	51.8

MARY LOU JOBE #1DST #2

FINAL

SHUTIN

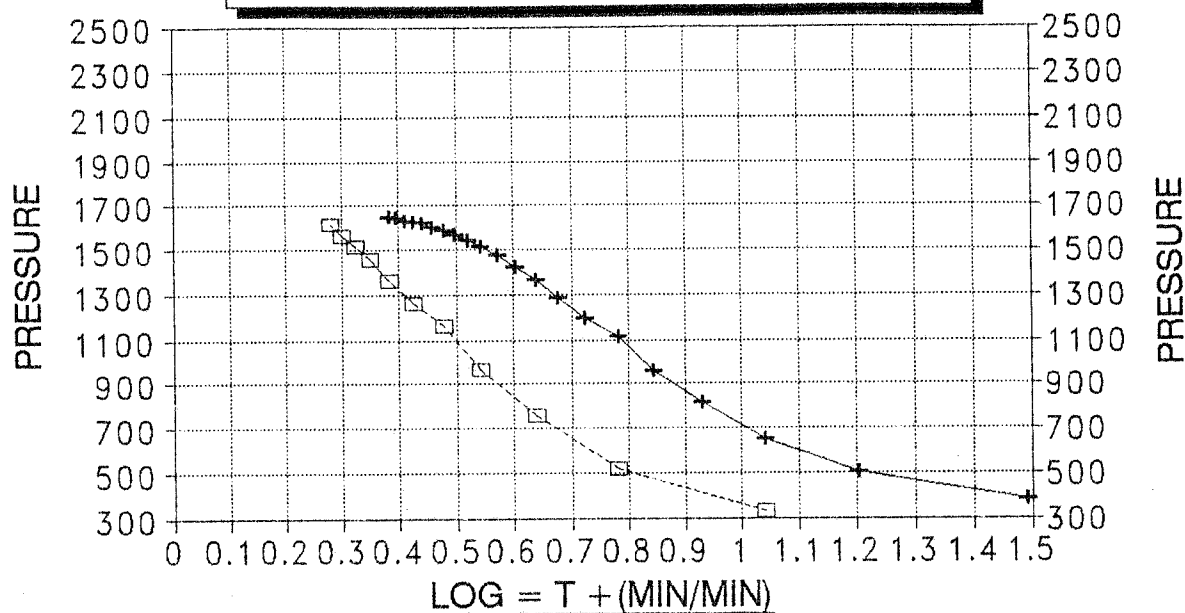
90 TOTAL FLOW TIME

Slope psi/cycle
P * 1,858 psi

TIME(MIN)	Pws (psi)	Log		<> PRESSURE
		Horn T	Horn T	
3	381.7	31	1.491	381.7
6	504.1	16	1.204	122.4
9	654.4	11	1.041	150.3
12	814.2	9	0.929	159.8
15	957.7	7	0.845	143.5
18	1112.1	6	0.778	154.4
21	1193.2	5	0.723	81.1
24	1289.9	5	0.677	96.7
27	1365.5	4	0.637	75.6
30	1425.5	4	0.602	60.0
33	1476.5	4	0.571	51.0
36	1516.3	4	0.544	39.8
39	1545.0	3	0.520	28.7
42	1567.1	3	0.497	22.1
45	1585.8	3	0.477	18.7
48	1602.3	3	0.459	16.5
51	1618.9	3	0.442	16.6
X 54	1627.7	3	0.426	8.8
57	1634.3	3	0.411	6.6
60	1643.1	3	0.398	8.8
X 63	1649.7	2	0.385	6.6

HORNER PLOT

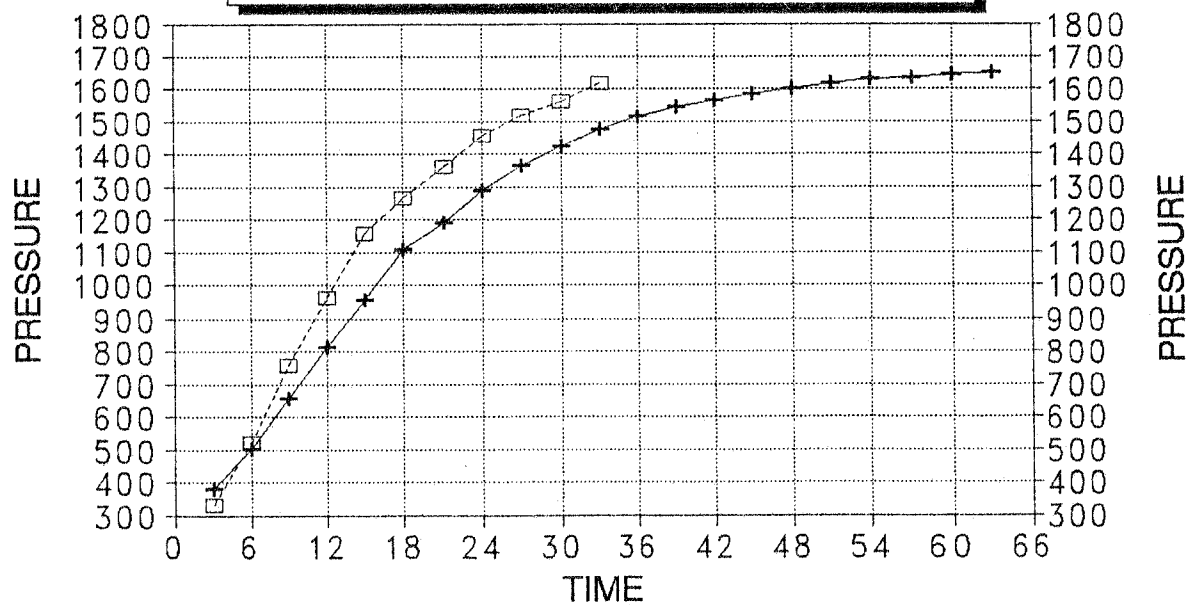
DST #2 / MARY LOU JOBE #1-28



---□--- INITIAL —+— FINAL

DELTA T DELTA P

DST #2 / MARY LOU JOBE #1-28



---□--- INITIAL —+— FINAL



GAS VOLUME REPORT

MARY LOU JOBE #1

2

OPERATOR

WELL NAME AND NO.

DST NO.

Remarks:

GAS TO SURFACE IN 8 MINUTES ON FIRST FLOW

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

Ticket No. 4482 Date 2/24/92
Company Name VINTAGE PETROLEUM INC.
Lease MARY LOU JOBE #1-28 Test No. 2
County COMMANCHE Sec. 28 Twp. 33S Rng. 17W

SAMPLER RECOVERY

Gas 12.35 cu ft ML Chlorides 6300 ppm.
Oil ML Resistivity ohms @ F
Mud ML Viscosity 49
Water ML Mud Weight 9.1
Other ML Filtrate 9.2
Pressure 1275 PSI Other
Total 4500 ML

PIT MUD ANALYSIS

SAMPLER ANALYSIS

Resistivity ohms @ F TOP
Chlorides ppm. Resistivity 0.25 ohms @ 70 F
Gravty corrected @ 60 F Chlorides 25000 ppm.

PIPE RECOVERY

MIDDLE

Resistivity ohms @ F
Chlorides ppm.

BOTTOM

Resistivity 0.15 ohms @ 70 F
Chlorides 48000 ppm.

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Test Ticket

No 4482

Well Name & No. MARY LOU JOBE 1-28 Test No. 2 Date 2-24-91
 Company VINTAGE PET INC Zone Tested Miss
 Address 4200 WILLIAMS CENTER TULSA Elevation 1848
 Co. Rep./Geo. _____ Cont. VAL Rig 1 Est. Ft. of Pay 20
 Location: Sec. 28 Twp. 33 Rge. 17 Co. COMMANCHE State KS
 No. of Copies _____ Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 5096 - 5188 Drill Pipe Size 4 1/2 XH
 Anchor Length 92 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 5091 Hole Size — 77/8" _____ Rubber Size — 63/4" _____
 Bottom Packer Depth 5096 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 5188 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 91 LSM TR lb/gal. Viscosity 49 Filtrate 0.2

Tool Open @ 12:54 PM Initial Blow OFF BOTTOM 15 SEC
7 I.O.W. 1" ORIFICE = 68.3 MCF/DAY
 Final Blow 3 SEC OFF BOTTOM 7 I.O.W. ON 1" ORIFICE
68.3 MCF/DAY GAS TO SUR 8 MIN INTO FIRST OPENING
 Recovery — Total Feet 625 Feet of Gas in Pipe 4471 Flush Tool? _____

Rec.	Feet Of	%gas	%oil	%water	%mud
<u>315</u>	<u>GAS TR</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
<u>248</u>	<u>GAS OIL MUD WATER</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
<u>62</u>	<u>GAS OIL MUD WATER</u>	<u>50</u>	<u>50</u>	<u>50</u>	<u>50</u>
		<u>58</u>	<u>58</u>	<u>58</u>	<u>58</u>
		<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>

BHT 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW 0.15 @ 70 °F Chlorides 48000 ppm Recovery Chlorides 6300 ppm System

(A) Initial Hydrostatic Mud 2496 PSI AK1 Recorder No. 13308 Range 4700
 (B) First Initial Flow Pressure 97 PSI @ (depth) 5098 w/Clock No. 27501
 (C) First Final Flow Pressure 145 PSI AK1 Recorder No. 10248 Range 4400
 (D) Initial Shut-In Pressure 1618 PSI @ (depth) 5183 w/Clock No. 27573
 (E) Second Initial Flow Pressure 169 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 240 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 1453 PSI Initial Opening 30 Test ✓
 (H) Final Hydrostatic Mud 2448 PSI Initial Shut-In 30 Jars ✓

TRILOBITE TESTING COMPANY SHALL NOT BE LIABLE FOR DAMAGE OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUBSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Final Flow 60 Safety Joint ✓
 Final Shut-In 60 Straddle _____
 Circ. Sub ✓ NC
 Sampler ✓
 Extra Packer _____
 Other _____

Approved By [Signature]

Our Representative _____

TOTAL PRICE \$ _____

Intage

WELL NAME Mary Lou Gobe DST # 2 RECORDER # 10248

INIT. HYD. MUD. 2205 24521 FINAL HYD. MUD 2201 2447.7

INITIAL FLOW		INITIAL SHUTIN		FINAL FLOW		FINAL SHUTIN	
MINUTES	INTERVAL	MINUTES	INTERVAL	MINUTES	INTERVAL	MINUTES	INTERVAL
<u>30</u>		<u>30</u>		<u>60</u>		<u>60</u>	
<u>.094</u>	<u>101.8</u>	<u>.120</u>	<u>-</u>	<u>1</u>	<u>.127</u> <u>154.2</u>	<u>.199</u>	<u>-</u>
		<u>.297</u>		<u>2</u>		<u>.339</u>	
		<u>.464</u>		<u>3</u>		<u>.448</u>	
		<u>.676</u>		<u>4</u>		<u>.583</u>	
		<u>.861</u>		<u>5</u>		<u>.727</u>	
		<u>1.028</u>		<u>6</u>		<u>.856</u>	
		<u>1.134</u>		<u>7</u>		<u>.995</u>	
		<u>1.221</u>		<u>8</u>		<u>1.068</u>	
		<u>1.306</u>		<u>9</u>		<u>1.155</u>	
		<u>1.361</u>		<u>10</u>		<u>1.223</u>	
<u>.120</u>	<u>135.1</u>	<u>1.402</u>		<u>11</u>		<u>1.277</u>	
		<u>1.449</u>	<u>1615.6</u>	<u>12</u>		<u>1.323</u>	
				<u>13</u>		<u>1.359</u>	
				<u>14</u>		<u>1.385</u>	
				<u>15</u>		<u>1.405</u>	
				<u>16</u>		<u>1.422</u>	
				<u>17</u>		<u>1.437</u>	
				<u>18</u>		<u>1.452</u>	
				<u>19</u>		<u>1.460</u>	
				<u>20</u>		<u>1.466</u>	
				<u>21</u>	<u>.199</u> <u>224.0</u>	<u>1.474</u>	
				<u>22</u>		<u>1.480</u>	<u>1649.7</u>
				<u>23</u>		1.488	1649.7
				<u>24</u>			
				<u>25</u>			
				<u>26</u>			
				<u>27</u>			

0.12 135.12
0.297 334.422
0.464 521.9889
0.676 757.7651
0.861 963.2931
1.038 1159.932
1.134 1266.618
1.221 1363.338
1.306 1457.735
1.361 1518.524
1.402 1563.806
1.449 1615.62

0.199 ~~224.074~~
0.339 381.714
0.448 504.1039
0.583 654.4445
0.727 814.4206
0.856 957.7389
0.995 1112.149
1.068 1193.261
1.155 1289.971
1.223 1365.561
1.277 1425.555
1.323 1476.529
1.359 1516.314
1.385 1545.035
1.405 1567.114
1.422 1585.859
1.437 1602.395
1.452 1618.926
1.46 1627.741
1.466 1634.352
1.474 1643.165
1.48 1649.774

STATIC PRESSURE 2335.619
SLOPE 2844952
POINTS USED 2

gas visc -0.0162

STATIC PRESSURE 1859.118
SLOPE 734811.3
POINTS USED 4