

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

ORIGINAL

KCC

APR 28

Operator: License # 3122 **CONFIDENTIAL**

Name: Vintage Petroleum, Inc.

Address 4200 One Williams Center

City/State/Zip Tulsa, OK 74172

Purchaser: _____

Operator Contact Person: Leann Ogee

Phone (918) 592-0101

Contractor: Name: VAL Energy, Inc.

License: 5822

Wellsite Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

2-14-92 2-25-92 3-28-92
Spud Date Date Reached TD Completion Date

API NO. 15- 033-20,846-0000

County Comanche

C - SE Sec. 28 Twp. 33S Rge. 17 XXW

1320 Feet from N (circle one) Line of Section

1320 Feet from W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)

Lease Name Mary Lou Jobe Well # 1-28

Field Name Bears

Producing Formation Ft. Scott, Marmaton

Elevation: Ground 1843 KB 1848

Total Depth 5281 PBDT 5075

Amount of Surface Pipe Set and Cemented at 421 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Alt 2
(Data must be collected from the Reserve Pit)

Chloride content 5300 ppm Fluid volume 7000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Leann Ogee

Title Supervisor, Regulatory Affairs Date 4-22-92

Subscribed and sworn to before me this 22 day of April 19 92.

Notary Public Shelley A. Weiss

Date Commission Expires April 9, 1995

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
KCC SUD/Rep NGPA
KGS MAY 1 1992
5-1-92 (Specify)
CONSERVATION DIVISION
Wichita, Kansas
Form ACO-1 (7-91)

Operator Name Vintage Petroleum, Inc. Lease Name Mary Lou Jobe Well No. 1-28

County Comanche

Sec. 28 Twp. 33 Rge. 17 East West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lansing	4379	-2531
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Base Kansas City	4866	-3018
List All E.Logs Run:	Neutron Log	Marmaton	4966	-3118
	D. I. Laterlog	Ft. Scott	5000	-3152
	Micro Log	Mississippi	5069	-3221
	Compensated Sonic Log			

CASING RECORD New Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	14 3/4	10 3/4	40.5	421.2	Lite Class A	175 100	3%CaCl2
Production	-----	4 1/2	10.5	5274.5	Class H	300	6% A-10, 1% gel, 5% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD		N/A		
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	See Attached		

TUBING RECORD Size 2 3/8 Set At 4922' Packer At 4922' Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. WOPL Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	468	3.5		

Disposition of Gas: N/A **METHOD OF COMPLETION** Production Interval 4974-5006

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled Other (Specify)

ORIGINAL

KCC

APR 28

CONFIDENTIAL

RELEASED

A 1007

FROM CONFIDENTIAL

Perforation Record
Attachment to Form ACO-1
Mary Lou Jobe 1-28

SPF

Perforation Record

4	Mississippi Lime 5111-13 & 5116-30. Treated w/5000 gal 15% HCL Acid. Isolated by CIBP @ 5075. Tested to 1500 psi.
4	Fort Scott Lime 5000-06. Treated w/1000 gal HCL acid w/36 ball sealers. Acid frac w/2000 gal 28% Ne-HCL, 5000 gal 15% Ne-HCL, 6840 gal gelled H O
4	Marmaton 4974-88. Treated w/1500 gal 15% HCL w/additives.

RECEIVED
STATE CORPORATION COMMISSION

MAY 1 1992

CONSERVATION DIVISION
Wichita, Kansas

SERVICES

CEMENTING LOGCC

STAGE NO. _____

ORIGINAL

CEMENT DATA: APR 28

Spacer Type: _____
Amt. _____ Sls Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type 35:65:6
3% A-11, 14% CELLOFANE Excess _____
Amt. 175 Sls Yield 1.80 ft³/sk Density 12.3 PPG

TAIL: Pump Time _____ hrs. Type CEASE H
3% A-11, 2% GEL Excess _____
Amt. 100 Sls Yield 1.24 ft³/sk Density 15.7 PPG

WATER: Lead 9.8 gals/sk Tail 6.4 gals/sk Total 16.2 Bbls.

Pump/Trucks Used 3902-6481 JUSTIN HART
Bulk Equip. 3727-2416 RECK PLACELY

Float Equip: Manufacturer _____
Shoe: Type _____ Depth 429'

Float Type AFU FLAPPER Depth 390'

Centralizers: Quantity 4 Plugs Top RUBBER Btm. _____

Stage Collars _____
Special Equip. _____

Disp. Fluid Type FRESH H₂O Amt. 38 1/2 Bbls. Weight 2.34 PPG
Mud Type _____ Weight _____ PPG

Date 2/15/92 District WED LORGE Ticket No. 060426
Company VENTAGE FUEL OIL Rig VAL PMS #1
Lease MARY JOE JOBE Well No. 1-23
County COMANCHE State KANSAS
Location 28-235-17W Field BEALS
MAIL # 12 ON 160, 97A S, W/2

CASING DATA: PTA Squeeze
Surface Intermediate Production Liner
Size 10 3/4" Type NEW Weight 40.50# Collar 32 RELEASE

Casing Depth: Top RL Bottom 429'

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
Open Hole: Size 14 3/4" T.D. 429' ft. P.B. to _____ ft.

CAPACITY FACTORS:
Casing: Bbls/Lin. ft. .0981 Lin. ft./Bbl. 10.19'
Open Hole: Bbls/Lin. ft. .2113 Lin. ft./Bbl. 4.73'
Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.3'
Annulus: Bbls/Lin. ft. .0991 Lin. ft./Bbl. 10.09'
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt. _____

COMPANY REPRESENTATIVE CARY ROWE

CEMENTER: KEVIN ERNEARDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
10:45						ON LOCATION, RTB UP. JOB + SAFETY MEETING.
						RUN 10 3/4" CASING AND WASH TO BOTTOM - (LOSE RETURNS WHILE ON BOTTOM)
						RTB UP TO CEMENT PUMP
	200				4.2	START LEAD
	200		30	30	4.8	GAIN PARTIAL RETURNS
	300		56	26	5.3	LEAD IN - START TAIL - INCREASE RATE
	250		30	24	5.8	TAIL IN - STOP PUMPS
						CHANGE VALVES - RELEASE PLUG
	150				3	START DEEPENING
	200		82	2	4	INCREASE RATE
	200		92	10	5	INCREASE RATE - PARTIAL RETURN
	100		115	22	3	INCREASE RATE
4:00	900		113 1/2	3 1/2	3	PUMP PLUG + HOLD P.T. RELEASE PLUG + FLOAT HOLDS
						WAIT 3 HRS. - RUN TUBES TO 1.5'
						CELLUULATE CEMENT TO SURFACE WITH
	750		142 1/2	24	2.5	100% CHASE A, 3% A-11, 2% GEL
8:30	350		163 1/2	21	2.5	+ 100% CHASE B, 3% A-11, 2% GEL

FINAL DISP. PRESS: 150 PSI BUMP PLUG TO 900 PSI BLEEDBACK _____ BBLs. _____
Form No. 81-0802 (Rev. 3/90)
Wichita, Kansas

RECEIVED
MAY 1 1992
WICHITA, KANSAS
THANK YOU



APR 29 '92 11:38 342
Houston, Tx, 77210

ORIGINAL

SERVICE OPERATIONS CONTRACT
TERMS NET 30 DAYS FROM DATE OF CONTRACT

REMIT TO: P.O. Box 297476, Houston, Tx. 77297

DATE 02-15-92	SERVICE CONTRACT NO. 060426
NEW WELL <input checked="" type="checkbox"/> WELL TYPE 0 OLD WELL <input type="checkbox"/>	JOB NUMBER 501506
WELL NO. 1-23	LEASE NAME & FEDERAL OFFSHORE LEASE NO. MARY LOU JOLE
COUNTY/PARISH LOMANCHE	STATE KS
FIELD NAME BEALS	CITY CODE
WELL OWNER VINTAGE PETROLEUM, INC.	MTA CODE

CUSTOMER ACCOUNT NO.	DIST NAME New Lease
CUSTOMER VINTAGE PETROLEUM, INC.	DIST NUMBER 534
ADDRESS 4300 ONE WILLIAMS BLVD New City, KS	CITY New City
CITY New City	STATE KS
AUTHORIZED BY KARE DEEVEL	ORDER NO. 67560

STAGE NO.	JOB CODE 0100-151171	WORKING DEPTH 429	FT
TOTAL PREV. GALS.	1 SURFACE <input checked="" type="checkbox"/> 2 INTERMEDIATE <input type="checkbox"/> 3 PRODUCTION <input type="checkbox"/> 4 REMEDIAL <input type="checkbox"/>	SIZE HOLE 14 3/4"	DEPTH 431
TOTAL MEAS. DEPTH FT.	SIZE & WT. CASING 10 3/4" 40.5#	DEPTH 429	FT
	SIZE & WT. DRILL PIPE OR TUBING 4 1/2" 16.6#	DEPTH 422	FT
Avg. PSI 900	MAX. PSI	PACKER DEPTH	FLUID PUMPED

PUMPING EQUIPMENT	TIME (A OR P)	DATE
TRUCK CALLED	13:00 A	MM 02 14 92
ARRIVED AT JOB	10:45 P	02 14 92
START OPERATION	3:00 A	02 14 92
FINISH OPERATION	3:30 A	02 14 92
TIME RELEASED	9:30 A	
MILES FROM STATION TO WELL 23	SALESMAN NUMBER	

REVENUE EQUIPMENT (UNIT NUMBERS)	EMPLOYEES ON JOB (EMPLOYEE NUMBER)
6431 KCC	642417 646796 822192
APR 28	RELEASED
CONFIDENTIAL	A 003

PRICE BOOK REF.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.	PART NO.	U/M	QTY.

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only these terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK 01
SIGNED: *Gay Rowe*
(WELL OWNER, OPERATOR, CONTRACT OR AGENT)

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
101002014	1	301'-500' PUMP CHANGE	505.00	E	505.00
101009002	40	WATERAGE, ONE WAY	2.47	E	93.30
104105014	414	CLASH H	2.19	Q	2397.06
10415013	61	FLUASH	3.06	Q	136.66
104150149	1430	H-7P	.48	L	631.60
104201142	1239	RT 6L	.12	L	192.32
10423003	44	GELLOFLAN	1.32	L	59.40
104201644	1	10 3/4" TOP RIGGER TUBE	173.75	E	173.75
102300011	520	11/2" WINE CHANGE	1.16	Q	602.20
109401101	920	DIAPHRAGM 23 X 40 RECEIVED	.79	E	726.30

SERVICE REPRESENTATIVE: KEVIN BRUNERDT
THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Gay Rowe*
STATE CORPORATION COMMISSION

CHECK IF CONTINUATION IS USED
MAY 1 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)



APR 29 '92 11:40

SERVICE OPERATIONS CONTRACT, 4 CONTINUATION

ORIGINAL

CONTRACT NO. 6046

DATE OF JOB 03/19/92 DISTRICT W.D. Lodge DIST. NO. 534 AUTHORIZED BY [Signature]

CUSTOMER VENTAGE PETROLEUM, INC.
P.O. BOX K

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	PRICE EXTENSION
		1	3 7/8" HFU INJECT	352.00	E	352.00
		4	3 7/8" CENTRAL	87.25	E	349.00
		1	TOP OUT CHARGE	652.00	E	652.00
			BOOK PRICE		#	6953.62
			TOTAL		#	5288.56

RECEIVED STATE CORPORATION COMMISSION

MAY 1 1992

SERVICE REPRESENTATIVE K. PRUNGARIT THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

KCC

APR 28

Drill-Stem Test Data

CONFIDENTIAL

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.
 Operator/Geo. AUSTIN WARNER Cont. VAL ENERGY RIG #1 Est. Ft. of Pay 10
 Well No. 28 Twp. 33S Rge. 17W Co. COMMANCHE State KS

Interval Tested 4963-4996
 Length 33
 Casing Depth 4958
 Packer Depth 4963
 Depth 4996

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

Fluid 9 lb / gal. Viscosity 55 Filtrate 8 FROM CONFIDENTIAL

Open @ 8:46 AM Initial Blow GOOD BLOW OFF BOTTOM IN 30 SECONDS
OFF BOTTOM IN 5 SECONDS-GAS TO SURFACE IN 6 MIN
 Second Flow - 30.6 MCF/DAY

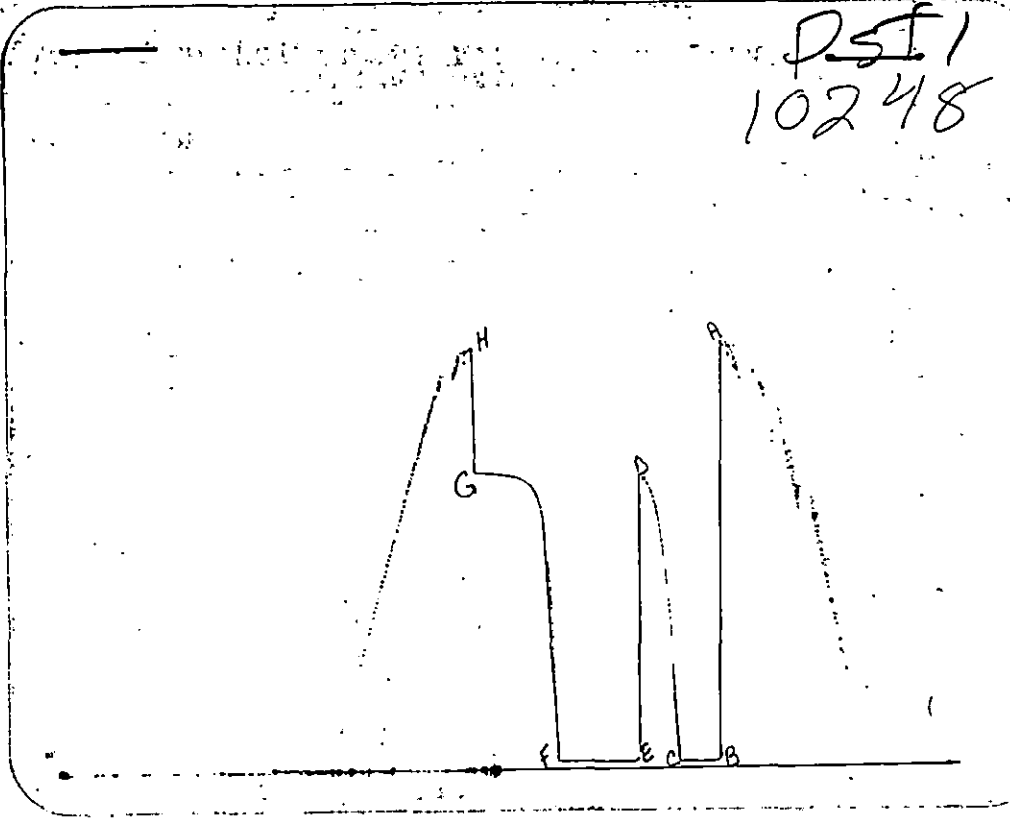
Core - Total Feet 40 Flush Tool? _____
4923 Feet of GAS IN PIPE
40 Feet of MUD
 Feet of _____
 Feet of _____
 Feet of _____
122

°F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
1 @ 64 °F Chlorides 7500 ppm Recovery Chlorides 5800 ppm System

Initial Hydrostatic Mud 2402.1 PSI Ak1 Recorder No. 13308 Range 4700
 Initial Flow Pressure 24.7 PSI @ (depth) 4965 w/Clock No. 27501
 Final Flow Pressure 25.8 PSI AK1 Recorder No. 10248 Range 4400
 Initial Shut-In Pressure 1675.1 PSI @ (depth) 4991 w/Clock No. 27573
 Second Initial Flow Pressure 25.8 PSI AK1 Recorder No. _____ Range _____
 Second Final Flow Pressure 31.4 PSI @ (depth) _____ w/Clock No. _____
 Initial Shut-In Pressure 1701.5 PSI Initial Opening 30 Final Flow 60
 Initial Hydrostatic Mud 2385.4 PSI Initial Shut-In 30 Final Shut-In 60

Representative MARK HERSKOWITZ TOTAL PRICE \$ 1050

DST 1
10248



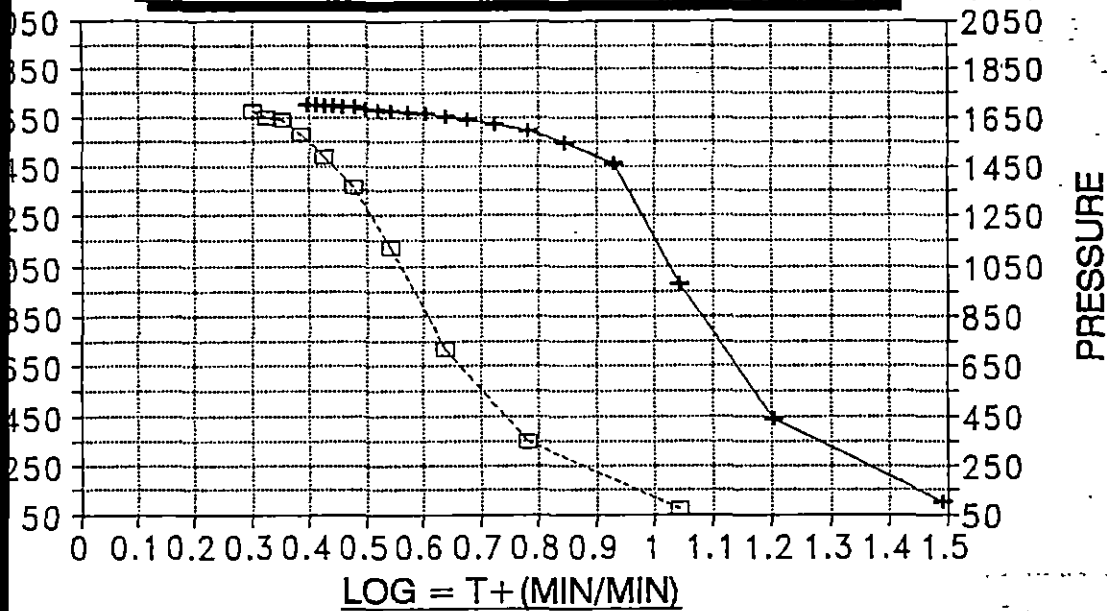
This is an actual photograph of recorder chart
PRESSURE

DINT

	FIELD READING	OFFICE READING
INITIAL HYDROSTATIC MUD	2425	2402.1
FIRST INITIAL FLOW PRESSURE	24	24.7
FIRST FINAL FLOW PRESSURE	24	25.8
INITIAL CLOSED-IN PRESSURE	1653	1675.1
SECOND INITIAL FLOW PRESSURE	36	25.8
SECOND FINAL FLOW PRESSURE	24	31.4
FINAL CLOSED-IN PRESSURE	1653	1701.5
FINAL HYDROSTATIC MUD	2389	2385.4

HORNER PLOT

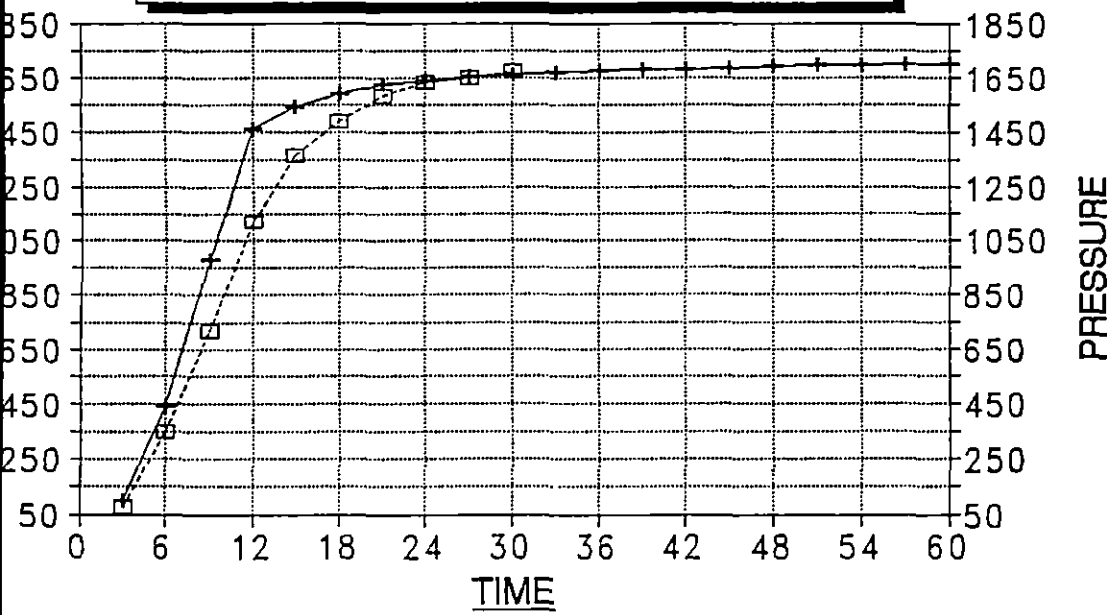
DST #1 / MARY LOU JOBE #1-28



---□--- INITIAL ---+--- FINAL

DELTA T DELTA P

DST #1 / MARY LOU JOBE #1-28



---□--- INITIAL ---+--- FINAL

Y LOU JOBE #1DST #1
 TIAL 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
27	1651.9	2	0.325	15.4
30	1675.1	2	0.301	23.2

Y LOU JOBE #1DST #1
 TIAL 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
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
60	1701.5	3	0.398	2.2

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

No. 4481 Date 2/23/92

Company Name VINTAGE PETROLEUM INC.

MARY LOU JOBE #1-28 Test No. 1

County COMMANCHE Sec. 28 Twp. 33S Rng. 17W

SAMPLER RECOVERY

15.6 cu ft ML Chlorides 5800 ppm.

ML Resistivity _____ ohms @ _____ F

ML Viscosity 55

ML Mud Weight 9

ML Filtrate 8

Pressure 1375 PSI Other _____

4500 ML _____

SAMPLER ANALYSIS

Resistivity _____ ohms @ _____ F TOP

Chlorides _____ ppm. Resistivity 1 ohms @ 64 F

Chlorides 7500 ppm.

_____ corrected @ 80 F

MIDDLE

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

BOTTOM

Resistivity _____ ohms @ _____ F

Chlorides _____ ppm.

PIT MUD ANALYSIS

PIPE RECOVERY

TRILOBITE TESTING COMPANY L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Jeff Tassone

Test Ticket

No 4481

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

Interval Tested 4953 - 4986 Drill Pipe Size 4 1/2 XT
 Anchor Length 33 Top Choke — 1" Bottom Choke — 3/4"
 Top Packer Depth 4958 Hole Size — 7 1/8" Rubber Size — 6 3/4"
 Bottom Packer Depth 4963 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 4996 Drill Collar — 2.25 Ft. Run _____
 Mud Wt. 90 LCM 1/2 lb/gal. Viscosity 55 Filtrate 8.0
 Well Open @ 8:46 AM Initial Blow Good Blow OFF BOTTOM 30 SEC

Initial Blow OFF BOTTOM IN 5 SEC (GAS TO SUR 6 MIN)
30.6 MCF/DAY
 Recovery — Total Feet 40 Feet of Gas in Pipe 4923 Flush Tool? _____

<u>40</u> Feet Of	<u>MUD</u>	%gas	%oil	%water	<u>100</u> %mud
Feet Of		%gas	%oil	%water	%mud
Feet Of		%gas	%oil	%water	%mud
Feet Of		%gas	%oil	%water	%mud
Feet Of		%gas	%oil	%water	%mud

Temperature 122 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 Chlorides 7500 ppm Recovery Chlorides 5800 ppm System
 Initial Hydrostatic Mud 2425 PSI AK1 Recorder No. 13308 Range 4700
 First Initial Flow Pressure 24 PSI @ (depth) 4965 w/Clock No. 27521
 First Final Flow Pressure 24 PSI AK1 Recorder No. 10248 Range 4400
 Initial Shut-In Pressure 1653 PSI @ (depth) 4991 w/Clock No. 27573
 Second Initial Flow Pressure 36 PSI AK1 Recorder No. _____ Range _____
 Second Final Flow Pressure 24 PSI @ (depth) _____ w/Clock No. _____
 Final Shut-In Pressure 1653 PSI Initial Opening 30 Test
 Final Hydrostatic Mud 2399 PSI Initial Shut-In 30 Jar

Final Flow 40 Safety Joint
 Final Shut-In 60 Straddle _____
 Circ. Sub NC
 Sampler
 Extra Packer _____
 Other _____
 Approved By _____
 Representative _____

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.

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

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.
Geology 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 Drill Pipe Size 4.5 XH
Casing Length 92 Wt. Pipe I.D. - 2.7 Ft. Run _____
Packer Depth 5091 Drill Collar - 2.25 Ft. Run _____
Minimum Packer Depth 5096
Total Depth 5188

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

Initial Blow OFF BOTTOM IN 15 SECONDS-7" OF WTR-1" ORIFICE =
8.3 MCF/DAY
Blow 5 SECONDS OFF BOTTOM-7" OF WATER ON 1" ORIFICE = 68.3
MCF/DAY-GAS TO SURFACE 8 MINUTES INTO FIRST OPENING

Interval - Total Feet 625 Flush Tool? _____

4471 Feet of GAS IN PIPE

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

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

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

Feet of 124 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API

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

Initial Hydrostatic Mud 2452.1 PSI Ak1 Recorder No. 13308 Range 4700

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

Final Flow Pressure 135.1 PSI Ak1 Recorder No. 10248 Range 4400

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

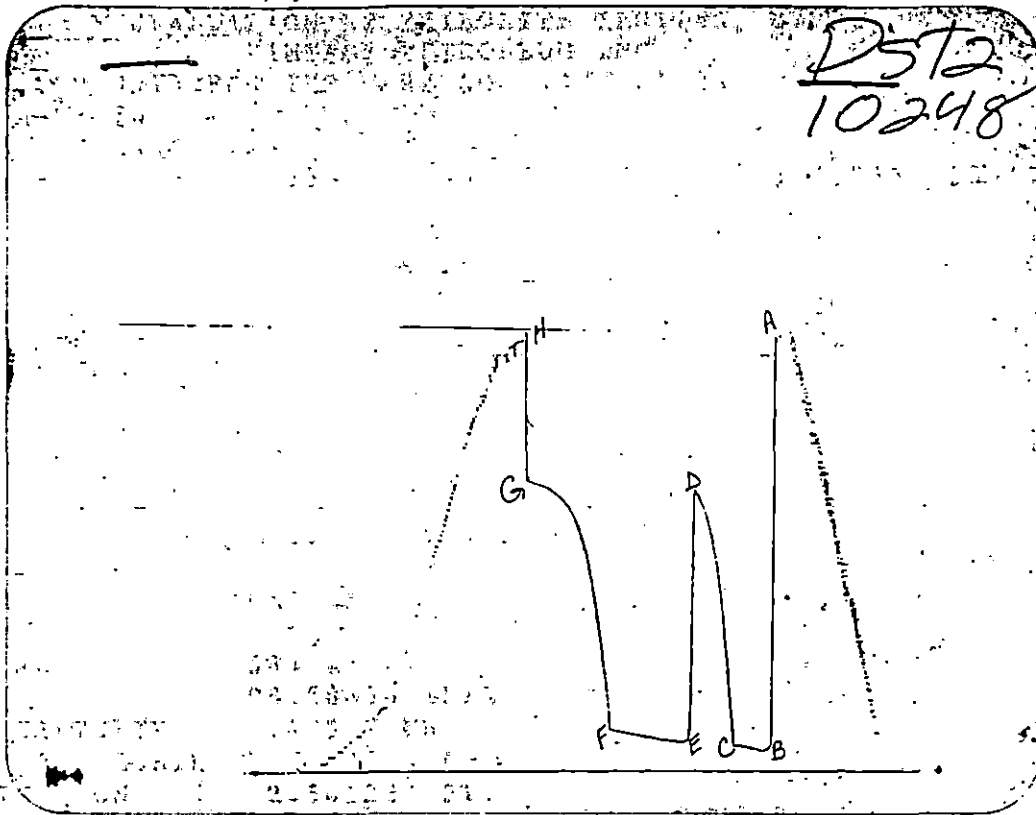
Cond Initial Flow Pressure 154.2 PSI Ak1 Recorder No. _____ Range _____

Cond Final Flow Pressure 224 PSI @ (depth) _____ w/Clock No. _____

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

Initial Hydrostatic Mud 2447.7 PSI Initial Shut-In 30 Final Shut-In 60

Representative MARK HERSKOWITZ TOTAL PRICE \$ 1150



This is an actual photograph of recorder chart
PRESSURE

POINT

	FIELD READING	OFFICE READING
INITIAL HYDROSTATIC MUD	2496	2452.1
FIRST INITIAL FLOW PRESSURE	97	101.8
FIRST FINAL FLOW PRESSURE	145	135.1
INITIAL CLOSED-IN PRESSURE	1618	1615.6
SECOND INITIAL FLOW PRESSURE	169	154.2
SECOND FINAL FLOW PRESSURE	240	224
FINAL CLOSED-IN PRESSURE	1653	1649.7
FINAL HYDROSTATIC MUD	2448	2447.7

Y LOU JOBE #1DST #2
TIAL SHUTIN

30 INITIAL FLOW TIME

Slope
P * 2,336 psi/cycle
psi

TIME(MIN)	Pws (psi)	Horn T	Log		<> PRESSURE
			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	
30	1563.8	2	0.301	45.3	
33	1615.6	2	0.281	51.8	

Y LOU JOBE #1DST #2
AL SHUTIN

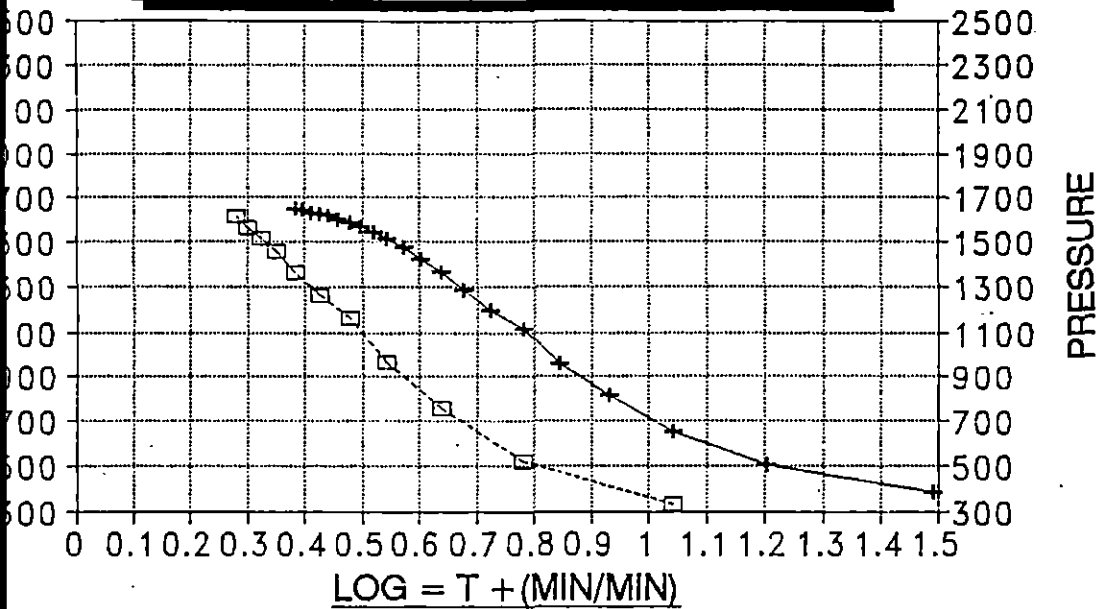
90 TOTAL FLOW TIME

Slope
P * 1,858 psi/cycle
psi

TIME(MIN)	Pws (psi)	Horn T	Log		<> PRESSURE
			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	
54	1627.7	3	0.426	8.8	
57	1634.3	3	0.411	6.6	
60	1643.1	3	0.398	8.8	
63	1649.7	2	0.385	6.6	

HORNER PLOT

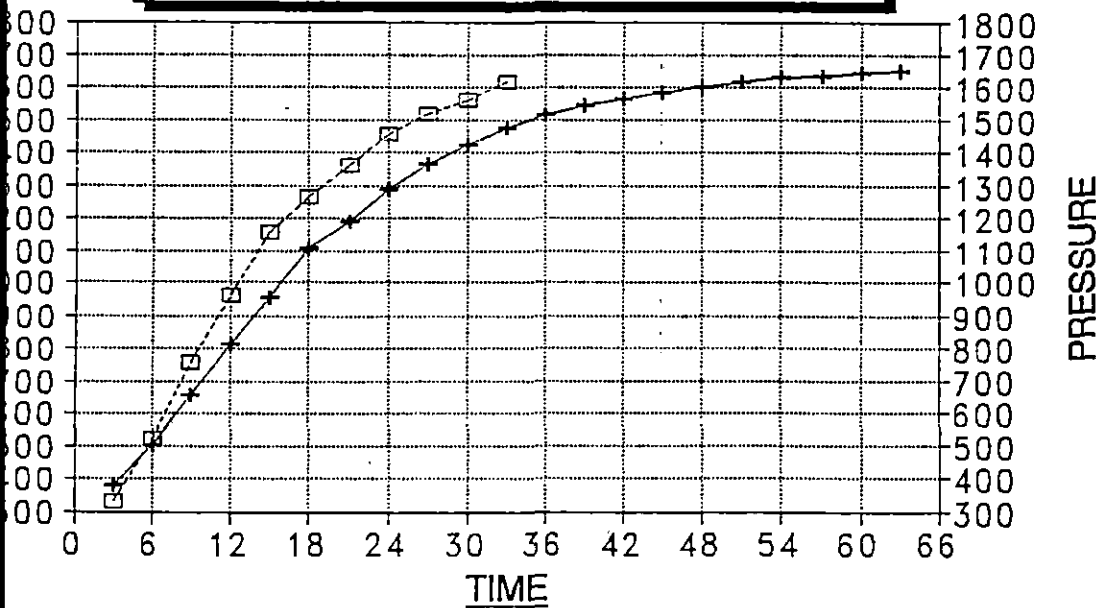
DST #2 / MARY LOU JOBE #1-28



---□--- INITIAL ---+--- FINAL

DELTA T DELTA P

DST #2 / MARY LOU JOBE #1-28



---□--- INITIAL ---+--- FINAL

TRILOBITE TESTING COMPANY, L.L.C.

P.O. Box 362 - Hays, Kansas 67601

FLUID SAMPLER DATA

4482

Date 2/24/92

Name VINTAGE PETROLEUM INC.

MARY LOU JOBE #1-28

Test No. 2

COMMANCHE

Sec. 28 Twp. 33S Rng. 17W

SAMPLER RECOVERY

PIT MUD ANALYSIS

12.35 cu ft

ML Chlorides 6300 ppm.

ML Resistivity ohms @ F

ML Viscosity 49

ML Mud Weight 9.1

ML Filtrate 9.2

1275

PSI Other

4500

ML

SAMPLER ANALYSIS

PIPE RECOVERY

ohms @ F

TOP

ppm. Resistivity 0.25 ohms @ 70 F

Chlorides 25000 ppm.

corrected @ 60 F

MIDDLE

Resistivity ohms @ F

Chlorides ppm.

BOTTOM

Resistivity 0.15 ohms @ 70 F

Chlorides 48000 ppm.