

ORIGINAL

FORM MUST BE TYPED

SIDE ONE

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

Operator: License # 5038

Name: Sovereign Energy LLC/Robinson Oil Co.

Address 300 W. Douglas Suite #420

City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Thomas S. Metzger

Phone (303) 297-0347

Contractor: Name: Abercrombie Drilling, Inc.

License: 30684

Wellsite Geologist: Ben Landes

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/Reentry: Old Well Info as follows:

Operator: N/A

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBTD

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

03-14-97 03-19-97 03-20-97
Spud Date Date Reached TD Completion Date

API NO. 15- 153-20,813-00-00

County Rawlins plugged 3/20/97

SE NW Sec. 25 Twp. 1S Rge. 32 E W

2250' Feet from S(N) (circle one) Line of Section

2310' Feet from E(W) (circle one) Line of Section

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

Lease Name Wahrman Well # 22-25

Field Name Beaver Creek

Producing Formation _____

Elevation: Ground 2896' KB 2901'

Total Depth 4125' PBTD _____

Amount of Surface Pipe Set and Cemented at 306.50' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DFA, 5-26-98 U.C.
(Data must be collected from the Reserve Pit)

Chloride content 1,000 ppm Fluid volume 900 bbls

Dewatering method used Evaporazation

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

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

County _____ Docket No. 03-04-1998

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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.

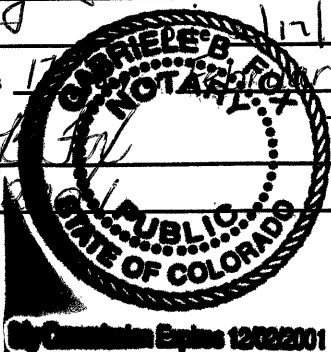
Signature Thomas S. Metzger

Title Operator Agent

Subscribed and sworn to before me this 17 day of July, 19 98.

Notary Public Danielle Y. Fry

Date Commission Expires 12/2/01



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)

10/10/80
SIDE TWO

Operator Name Sovereign Energy

Lease Name Wahrman

Well # 22-25

East

County Rawlins

Sec. 25 Twp. 1S Rge. 32

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List All E.Logs Run:
Dual Ind. Log
Neutron / Density Porosity
RA Guard

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
<u>Topeka</u>	<u>3659</u>	<u>-258</u>
<u>Lansing K.C.</u>	<u>3852</u>	<u>-951</u>
<u>D Zone</u>	<u>3904</u>	<u>-1003</u>
<u>G Zone</u>	<u>3944</u>	<u>-1043</u>
<u>K Zone</u>	<u>4075</u>	<u>-1174</u>

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	12 1/4"	8 5/8"	20#	306.50'	60/40 poz	200	2% gel

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				
<input type="checkbox"/> Plug Off Zone				

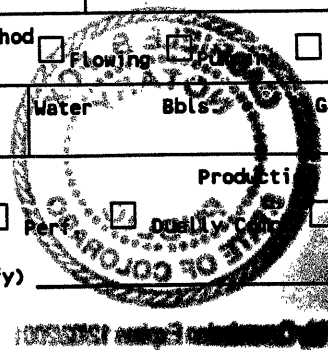
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumed Production, SWD or Inj. D&A Producing Method Flowing Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil N-A Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas: METHOD OF COMPLETION Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perforated Other (Specify) Commingled



ORIGINAL

15-153-20813-00-00

Lightning Wireline, Inc.
 P.O. Box 1531
 Loveland, Colorado 80539

Tel: (970) 669-8059 Fax: (970) 669-4077

B.H.P. TEST REPORT

Company : Sovereign Energy

Well Number	: Linnebur 6-23	Tubing size	: 2 3/8
Test date	: March 2, 1998	Packr set at	: n/a
Lease	: Linnebur	Fluid level @	: 4531'
Field	: Barrel	Casing size	: 4.5
County	: Weld	Perforations	: 6471'-6510'
State	: Colorado	DW Tbg press	: 342 psig
Location	: NESW 6-3S-60W	DW Csg press	: n/a
Formation	: D-sand	Instrument #	: MicroSmart 192
Legal Desc.	: NESW 6-3S-60W	Tested by	: LG
Elev. KB at	: 4967'	Calculated by	: ASP
Elev. GL at	: 4957'	Gauge set at	: 6491'
Total depth @	: 6616'	B.H. Temp. F	: 193

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MAR 04 1998

CONSERVATION DIVISION
 WICHITA, KS

Test type:

Flowing Pressure Gradient	-	No
Bottom Hole Pressure Build-up Test	-	No
Bottom Hole Pressure Draw-Down Test	-	No
Shut-in Pressure Gradient	-	Yes

Data File : LINN623A.BHP

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell

ORIGINAL

15-153-20813-00-00

DATE <u>3-15-97</u>	SEC. <u>25</u>	TWP. <u>1</u>	RANGE <u>32</u>	CALLED OUT	ON LOCATION <u>5:00am</u>	JOB START <u>6:00am</u>	JOB FINISH <u>6:30am</u>	
LEASE <u>WHRMAN</u>	WELL # <u>22-25</u>	LOCATION <u>HERDON 3w 1x 1/2w</u>	COUNTY <u>RAUBINS</u>		STATE <u>KANSAS</u>			
OLD OR NEW (Circle one)			<u>Van 1/2w</u>					

CONTRACTOR ABERCROMBIE DAIG.

TYPE OF JOB SURFACE

HOLE SIZE 12 1/4 T.D. 311

CASING SIZE 8 5/8 DEPTH WOODEN

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 602

OWNER _____

CEMENT AMOUNT ORDERED 200 SK TO 220 GAL

470 CC

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

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MAR 04 1998
CONSERVATION DIVISION
WICHITA, KS

EQUIPMENT

PUMP TRUCK # 177 CEMENTER [Signature]
HELPER [Signature]

BULK TRUCK # 160 DRIVER Matt

BULK TRUCK # _____ DRIVER _____

TOTAL _____

REMARKS:

SERVICE

Cement
Cement 12 1/4

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG 8 5/8 WOODEN @ _____

TOTAL _____

CHARGE TO: Abercrombie RTD Inc.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

Anthony Martin
PRINTED NAME

ALLIED CEMENTING CO., INC. 5501

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT: Dakley

15-163-20813-00-00

DATE <u>3-19-97</u>	SEC <u>25</u>	TWP. <u>15</u>	RANGE <u>32^U</u>	CALLED OUT	ON LOCATION <u>11:00^{AM}</u>	JOB START <u>11:00^{AM}</u>	JOB FINISH <u>1:30^{AM}</u>
LEASE <u>Wahrman</u>			WELL #	LOCATION <u>Herndon 3W-1N-1/4-1/4N-1/4W</u>	COUNTY <u>Rawlins</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR Abercrombie RTD #8
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 4125'
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.

OWNER Southern Energy
CEMENT

AMOUNT ORDERED 190 SKS 60/40 per, 6% gel
1/4" # Flo-Seal

COMMON @
 POZMIX @
 GEL RECEIVED
 CHLORIDE KANSAS CORPORA @ ON COMMISSION

EQUIPMENT

PUMP TRUCK CEMENTER Walt
 # 191 HELPER Dean
 BULK TRUCK
 # 315 DRIVER Jeff
 BULK TRUCK
 # DRIVER

MAR 02 1998
 CONSERVATION DIVISION
 WICHITA, KS
 HANDLING @
 MILEAGE @

TOTAL _____

REMARKS:

25 SKS @ 2700'
100 SKS @ 2050'
40 SKS @ 350'
10 SKS @ 40'
15 SKS in R.H.

SERVICE

DEPTH OF JOB 2700'
 PUMP TRUCK CHARGE
 EXTRA FOOTAGE @
 MILEAGE miles @
 PLUG 8 5/8 D.H. @
 @
 @

TOTAL _____

CHARGE TO: Abercrombie RTD
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

@
 @
 @
 @
 @

TOTAL _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE _____
 DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE [Signature]

303-297-9075

15-153-20813
00-00

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

ORIGINAL

N^o 10108

Test Ticket

Well Name & No. <u>Wahrman #22-25</u>	Test No. <u>1</u>	Date <u>3-18-97</u>
Company <u>Sovereign Energy, LLC/Robinson Oil Co</u>	Zone Tested <u>G</u>	<u>LKC</u>
Address <u>300 W. Douglas, Ste 20, Wichita, Ks.</u>	Elevation <u>2901</u>	KB <u>2896</u> GL
Co. Rep / Geo. <u>Ben Landes</u>	Cont. <u>Aber #8</u>	Est. Ft. of Pay _____ Por. _____ %
Location: Sec. <u>25</u>	Twp. <u>1</u>	Rge. <u>32</u>
Co. <u>Rawlins</u> State <u>Ks</u>		
No. of Copies _____	Distribution Sheet (Y, N) _____	Turnkey (Y, N) _____
Evaluation (Y, N) _____		

Interval Tested <u>3913 - 3961</u>	Initial Str Wt./Lbs. <u>54,000</u>	Unseated Str Wt./Lbs. <u>54,000</u>
Anchor Length <u>48</u>	Wt. Set Lbs. <u>20,000</u>	Wt. Pulled Loose/Lbs. <u>80,000</u>
Top Packer Depth <u>3908</u>	Tool Weight <u>1500</u>	
Bottom Packer Depth <u>3913</u>	Hole Size — <u>7 7/8"</u>	Rubber Size — <u>6 3/4"</u>
Total Depth <u>3961</u>	Wt. Pipe Run <u>631</u>	Drill Collar Run _____
Mud Wt. <u>9.1</u> LCM _____	Vis. <u>45</u> WL <u>9.6</u>	Drill Pipe Size <u>4.5XH</u>
Blow Description <u>I.F. Weak - steady surface blow</u>		Ft. Run <u>3257</u>
<u>Slid Tool 6' TO BOTTOM</u>		
<u>E.F. No blow.</u>		

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MAR 04 1998

Recovery — Total Feet	GIP	Ft. in ^{WP}	Ft. in DP	CONSERVATION DIVISION WICHITA, KS			
Rec.	Feet Of	%gas	%oil	%water	%mud		
<u>15</u>	<u>D.M.</u>						
_____	Feet Of _____	%gas	%oil	%water	%mud		
_____	Feet Of _____	%gas	%oil	%water	%mud		
_____	Feet Of _____	%gas	%oil	%water	%mud		
_____	Feet Of _____	%gas	%oil	%water	%mud		

BHT 110 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud <u>1906</u> PSI	Recorder No. <u>13754</u>	T-Started <u>08:45</u>
(B) First Initial Flow Pressure <u>29</u> PSI	(depth) <u>3920</u>	T-Open <u>10:13</u>
(C) First Final Flow Pressure <u>29</u> PSI	Recorder No. <u>13249</u>	T-Pulled <u>12:43</u>
(D) Initial Shut-in Pressure <u>1046</u> PSI	(depth) <u>3958</u>	T-Out <u>14:30</u>
(E) Second Initial Flow Pressure <u>29</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure <u>29</u> PSI	(depth) _____	
(G) Final Shut-in Pressure <u>1026</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud <u>1856</u> PSI	Initial Shut-in <u>45</u>	Jars <u>X</u>
	Final Flow <u>30</u>	Safety Joint <u>X</u>
	Final Shut-in <u>45</u>	Straddle _____

TRILOBITE TESTING L.L.C. 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 SUSTAINED, 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.

Approved By [Signature]

Our Representative Dan Bunde

Circ. Sub _____

Sampler _____

Extra Packer _____

Elect. Rec. _____

Other _____

TOTAL PRICE \$ _____

TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-153-20813-
00-00
ORIGINAL

Test Ticket

N^o 10109

Well Name & No. Wahrman # 22-25 Test No. 2 Date 3-19-97
 Company Sovereign Energy, LLC/Robinson Oil Co. Zone Tested J KKC
 Address _____ Elevation 2901 KB 2896 GL
 Co. Rep / Geo. Ben Landes Cont. Aber #8 Est. Ft. of Pay _____ Por. _____ %
 Location: Sec. 25 Twp. 1 Rge. 32 Co. Rawlins State Ks.
 No. of Copies _____ Distribution Sheet (Y, N) _____ Turnkey (Y, N) _____ Evaluation (Y, N) _____

Interval Tested 4004 - 4050 Initial Str Wt./Lbs. 54,000 Unseated Str Wt./Lbs. 54,000
 Anchor Length 46 Wt. Set Lbs. 20,000 Wt. Pulled Loose/Lbs. 55,000
 Top Packer Depth 3999 Tool Weight 1500
 Bottom Packer Depth 4004 Hole Size — 7 7/8" _____ Rubber Size — 6 3/4" _____
 Total Depth 4050 Wt. Pipe Run 631 Drill Collar Run _____
 Mud Wt. 9.1 LCM _____ Vis. 45 WL 9.6 Drill Pipe Size 4.5 XH Ft. Run 3993 3362
 Blow Description I.F. Weak-Died in 15 min. RECEIVED

KANSAS CORPORATION COMMISSION

F.F. No blow

MAR 04 1998

Recovery — Total Feet	GIP	Ft. in <u>DP</u>	Ft. in DP	CONSERVATION DIVISION		
				WICHIT	%water	%mud
Rec. <u>5</u>	Feet Of <u>D.M. w/ show oil</u>	%gas	%oil	%water	%mud	
Rec. _____	Feet Of <u>in tool</u>	%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 107 °F Gravity _____ °API D@ _____ °F Corrected Gravity _____ °API

RW _____ @ _____ °F Chlorides _____ ppm Recovery Chlorides 500 ppm System

(A) Initial Hydrostatic Mud	<u>2036</u> <u>1983</u> PSI	Recorder No. <u>2346</u>	T-Started <u>22:43</u>
(B) First Initial Flow Pressure	<u>29</u> <u>23</u> PSI	(depth) <u>4041</u>	T-Open <u>24:10</u>
(C) First Final Flow Pressure	<u>29</u> <u>24</u> PSI	Recorder No. <u>13754</u>	T-Pulled <u>03:10</u>
(D) Initial Shut-in Pressure	<u>88</u> <u>78</u> PSI	(depth) <u>4047</u>	T-Out <u>05:00</u>
(E) Second Initial Flow Pressure	<u>39</u> <u>24</u> PSI	Recorder No. _____	
(F) Second Final Flow Pressure	<u>39</u> <u>25</u> PSI	(depth) _____	
(G) Final Shut-in Pressure	<u>59</u> <u>43</u> PSI	Initial Opening <u>30</u>	Test _____
(H) Final Hydrostatic Mud	<u>1946</u> <u>1935</u> PSI	Initial Shut-in <u>60</u>	Jars <u>X</u>
	<u>AK-1</u> <u>Alpine</u>	Final Flow <u>30</u>	Safety Joint <u>X</u>
		Final Shut-in <u>60</u>	Straddle _____

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Approved By Ben Landes
 Our Representative Dan Banahle

Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Elect. Rec. X
 Other _____
 TOTAL PRICE \$ _____

ORIGINAL**Shut-in Pressure Gradient**

15-153-20813-00-00

Company : Sovereign Energy

Well Number : Linnebur 6-23 Test date : March 2, 1998

Data File : LINN623A.BHP

Remarks: Gradient run after 43 hour shut in
FL oil @ 4531', FL water @ 6000'

Depth (feet)	Pressure (psig)	Delta Pressure (psig)	Pressure Gradient (psig/ft)
Surface	342.62		
2,000	364.97	22.35	0.0112
3,000	378.91	13.94	0.0139
4,000	393.98	15.07	0.0151
5,000	559.45	165.48	0.1655
6,000	900.84	341.39	0.3414
6,491	1,115.27	214.43	0.4367

RECEIVED
KANSAS CORPORATION COMMISSION

MAR 04 1998

CONSERVATION DIVISION
WICHITA, KS

Lightning Wireline, Inc.

Lightning Wireline, Inc.

Company : Sovereign Energy

Lease : Linnebur

County : Weld

Well # : Linnebur6-23

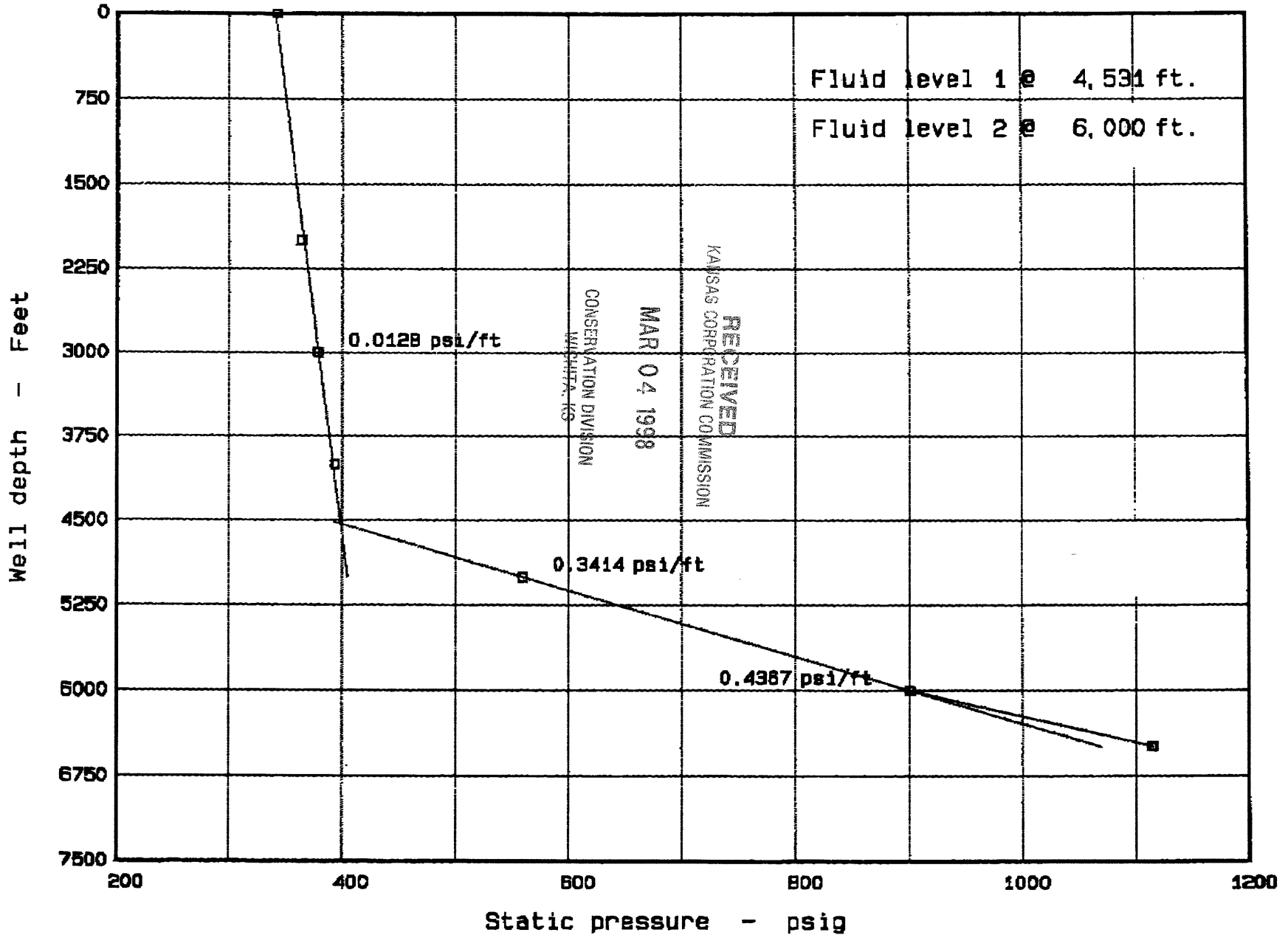
Field : Barrel

State : Colorado

Location : NESW 6-3S-60W

Test date : March 2, 1998

File - LINN623A



Shut-in Pressure Gradient

ORIGINAL

15-153-20813-00-00