



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1097357
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1097357

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Land And Energy LLC
Well Name	Werth/Gerstner 1
Doc ID	1097357

All Electric Logs Run

Cement Bond Log
Compensated Density
Dual Induction
Micro Resistivity

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 8207

Date	Sec.	Twp.	Range	County	State	On Location	Finish
11/17/12	24	14	17	Ellis	KS		5:30 p.m.
Lease <i>Worth Capital</i>				Well No. <i>1</i>		Location <i>Victoria 1W 1/2S Einto</i>	
Contractor <i>Royal #1</i>				Owner		To Quality Oilwell Cementing, Inc.	
Type Job <i>Surface</i>				You are hereby requested to rent cementing equipment and furnish		cement and helper to assist owner or contractor to do work as listed.	
Hole Size <i>12 1/4</i>		T.D. <i>1093</i>		Charge To <i>American Land Energy</i>			
Csg. <i>8 5/8</i>		Depth <i>1093</i>		Street			
Tbg. Size		Depth		City		State	
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. <i>22'</i>		Shoe Joint <i>22'</i>		Cement Amount Ordered <i>425 con 3' bcl 2' bcl</i>			
Meas Line		Displace <i>68BC</i>					
EQUIPMENT				Common			
Pumptrk <i>9</i>	No.	Cemental		Poz. Mix			
		Helper					
Bulktrk	No.	Driver		Gel.			
		Driver					
Bulktrk <i>12</i>	No.	Driver		Calcium			
		Driver					
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<i>8-5/8 on bottom Est Circulation</i>				Handling			
<i>Mix 425 con Displace Plug</i>				Mileage			
<i>Cement Circulation</i>				FLOAT EQUIPMENT			
<i>Plug landed @ 800' & shut in</i>				Guide Shoe			
				Centralizer <i>1 Rubber Aug</i>			
				Baskets <i>Bubble Plate</i>			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Mileage <i>26</i>			
				Tax			
				Discount			
Signature <i>Wesley Rude</i>				Total Charge			

421/1093
 84
 253

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 8291

Cell 785-324-1041

Date	11-27-12	Sec.	21	Twp.	14	Range	17	County	Ellis	State	KS	On Location	11:30 AM	Finish	
Lease								Location		North/Garretts					
Well No.								1		Owner					
Contractor								To Quality Oilwell Cementing, Inc.							
Type Job								You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size								T.D.		Charge To					
7 7/8								3391		American Land Energy					
Csg.								Depth		Street					
5 1/2								3541							
Tbg. Size								Depth		City					
										State					
Tool								Depth		The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.								Shoe Joint		Cement Amount Ordered					
15.37								14.27		190 from 1480 set					
Meas Line								Displace							
15.5								54 bbl							
EQUIPMENT															
Pumptrk								No.		Cementer		Common			
										Helper		Poz. Mix			
Bulktrk								No.		Driver		Gel.			
										Driver		Calcium			
Bulktrk								No.		Driver		Hulls			
14										Driver		Salt			
JOB SERVICES & REMARKS															
Remarks:								Rat Hole							
								30 5/8							
Mouse Hole								Flowseal							
15 1/2								Kol-Seal							
Centralizers								Mud CLR 48							
4 5/8								500 gal							
Baskets								CFL-117 or CD110 CAF 38							
DV or Port Collar								Sand							
								Handling							
Cemented 1 hole								Mileage							
1 hole								FLOAT EQUIPMENT							
bit cement								Guide Shoe							
1 hole								Centralizer							
1 hole								4 (5-11)							
banded plug								Baskets							
1500								2, 10							
								AFU Inserts							
								Float Shoe							
								3 1/2							
								Latch Down							
								2 1/2							
								Pumptrk Charge							
								Mileage							
								Tax							
								Discount							
Signature								Total Charge							

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

January 07, 2013

Gary Leiker
American Land And Energy LLC
7277 Tenby Way
Castle Rock, CO 80104

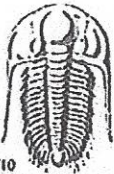
Re: ACO1
API 15-051-26412-00-00
Werth/Gerstner 1
SW/4 Sec.24-14S-17W
Ellis County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Gary Leiker



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51231

Well Name & No. Worth/Gerstner #1 Test No. 1 Date 11/24/12
 Company American Land and Energy LLC Elevation 1947 KB 1942 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Downing Rig Royal
 Location: Sec. 24 Twp. 14 Rge. 17 Co. Ellis State KS

Interval Tested 3184-3265 Zone Tested KC "A-D"
 Anchor Length 81 Drill Pipe Run 3172 Mud Wt. 8.9
 Top Packer Depth 3179 Drill Collars Run — Vis 56
 Bottom Packer Depth 3184 Wt. Pipe Run — WL 8.8
 Total Depth 3265 Chlorides 3000 ppm System LCM #2

Blow Description 2F - BOB in 30 min
1ST - No blow
1F - 3 in blow
1ST - No blow

Rec	Feet of	%gas	%oil	%water	%mud
185	WCM		25	75	

Rec Total 185 BHT 98 Gravity — API RW .22 @ 42 °F Chlorides 65,000 ppm

(A) Initial Hydrostatic 1,551 Test 1150 T-On Location 17:45
 (B) First Initial Flow 19 Jars — T-Started 18:10
 (C) First Final Flow 62 Safety Joint — T-Open 20:05
 (D) Initial Shut-In 943 Circ Sub — T-Pulled 23:05
 (E) Second Initial Flow 71 Hourly Standby — T-Out 00:35
 (F) Second Final Flow 104 Mileage 28.7 31 Comments —
 (G) Final Shut-In 934 Sampler —
 (H) Final Hydrostatic 1,515 Straddle —
 Shale Packer —
 Extra Packer —
 Extra Recorder —
 Day Standby —
 Accessibility —

Initial Open 45 Ruined Shale Packer —
 Initial Shut-In 45 Ruined Packer —
 Final Flow 45 Extra Copies —
 Final Shut-In 45 Sub Total 0
 Sub Total 1181 Total 1181
 MP/DST Disc't —

Approved By _____ Our Representative Brian Dean

TriLOBITE Testing Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51232

Well Name & No. Worth/Gerstner #1 Test No. 2 Date 11/25/12
 Company American Land and Energy LLC Elevation 1947 KB 1947 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Pawning Rig Royal 1
 Location: Sec. 24 Twp. 14 Rge. 12 Co. Ellis State KS

Interval Tested 3266 - 3286 Zone Tested KC "E"
 Anchor Length 20 Drill Pipe Run _____ Mud Wt. 8.9
 Top Packer Depth 3261 Drill Collars Run _____ Vis 5.6
 Bottom Packer Depth 3266 Wt. Pipe Run _____ WL 8.8
 Total Depth 3286 Chlorides 3,000 ppm System LCM #12

Blow Description FI - BOB in 32 min
FSI - No blow
FI - 5 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Free Oil</u>				
<u>59</u>	<u>SACW</u>				
<u>120</u>	<u>water</u>		<u>80</u>	<u>20</u>	
_____	Feet of _____				
_____	Feet of _____				

Rec Total 180 BHT 103 Gravity _____ API RW .065 @ 60 °F Chlorides 165,000 ppm
 (A) Initial Hydrostatic 1,571 Test 1150 T-On Location 6:45
 (B) First Initial Flow 21 Jars _____ T-Started 6:55
 (C) First Final Flow 71 Safety Joint _____ T-Open 8:15
 (D) Initial Shut-In 387 Circ Sub _____ T-Pulled 11:15
 (E) Second Initial Flow 76 Hourly Standby _____ T-Out 12:50
 (F) Second Final Flow 104 Mileage 20.7 31 Comments _____
 (G) Final Shut-In 498 Sampler _____
 (H) Final Hydrostatic 1,540 Straddle _____
 Initial Open 45 Shale Packer _____
 Initial Shut-In 45 Extra Packer _____
 Final Flow 45 Extra Recorder _____
 Final Shut-In 45 Day Standby _____
 Sub Total 1181 Accessibility _____
 Sub Total 1181 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Copies _____
 Sub Total 0
 Total 1181
 MP/DST Disc't _____

Approved By _____ Our Representative Brian Dineen
 TriLOBITE TESTING Inc. shall not be liable for damaged 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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51233

Well Name & No. Weirh/Guestner #1 Test No. 3 Date 11/26/12
 Company American Land and Energy LLC Elevation 1947 KB 1942 GL
 Address 7277 Tenby Way Castle Rock CO 80104
 Co. Rep / Geo. Marc Downing Rig Royal #1
 Location: Sec. 24 Twp. 14 Rge. 1.7 Co. Ellis State KC

Interval Tested 3421-3462 Zone Tested Arbuckle
 Anchor Length 41 Drill Pipe Run 3427 Mud Wt. 9.4
 Top Packer Depth 3476 Drill Collars Run — Vis 5.6
 Bottom Packer Depth 3421 Wt. Pipe Run — WL 9.6
 Total Depth 3467 Chlorides 5,000 ppm System LCM 1 1/2"

Blow Description IF - BOB in 13 min
FSI - No blow
FF - 9 1/2 in blow
FSI - No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>Feet of MCO</u>	<u>60</u>		<u>40</u>	
<u>60</u>	<u>Feet of MCO</u>	<u>70</u>		<u>30</u>	
<u>65</u>	<u>Feet of 560</u>	<u>5</u>	<u>95</u>		
<u>Rec</u>	<u>Feet of 55 GEP</u>				
<u>Rec</u>	<u>Feet of</u>				

Rec Total 190 BHT 101 Gravity 34 API RW @ — °F Chlorides — ppm

(A) Initial Hydrostatic 1,768 Test 1150 T-On Location 7:35
 (B) First Initial Flow 31 Jars T-Started 7:55
 (C) First Final Flow 72 Safety Joint T-Open 9:35
 (D) Initial Shut-In 477 Circ Sub T-Pulled 12:35
 (E) Second Initial Flow 89 Hourly Standby T-Out 14:20
 (F) Second Final Flow 94 Mileage 20.7 31 Comments
 (G) Final Shut-In 364 Sampler
 (H) Final Hydrostatic 1,659 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1181
 Accessibility MP/DST Disc't
 Sub Total 1181

Initial Open 45
 Initial Shut-In 45
 Final Flow 45
 Final Shut-In 45

Approved By _____ Our Representative Brian D...

Trilobite Testing Inc. shall not be liable for damaged 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.

Company: American Land & Energy, LLC

Well: Werth-Gerstner #1

Field: Gerstner

Location: 1325' FSL + 1110' FUL

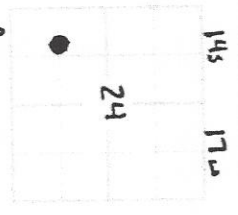
SEC 24 T29N 14S R6E 17W

County: Ellis

State: Kansas

Operator: Am. Land & Energy, LLC
 Royal Drilling, Rig #1
 11-17-12
 11-27-12

Casing Record:
 5 5/8" @ 3551'
 3551'
 3551'



Production:
 ARBUCKLE
 KR 1948
 DF 1942

2900 TD
 2900 TD
 2900 TD
 2900 TD

Maric Downing
 The Perforators
 CML/COL
 OIL
 MEL

FORMATION TOPS AND STRUCTURAL POSITION

FORMATION	DEPTH (FEET)	ELECTRICAL TOP	SURFACE DATA	STRUCTURAL POSITION
Top Anhydrite	NA	1092	1866	+5
Base Anhydrite	NA	1124	1924	NA
Top Ark	2941	2940	-992	-3
Hebner	3160	3159	-1211	-1
Toronto	3177	3176	-1228	-3
LHC	3209	3208	-1260	-3
BKC	3433	3434	-1446	-3
Arbuckle	3450	3450	-1502	+2

DRILL STEM TESTS

Due to structural position, DST recovery, & log evaluation, it was decided to set 5 1/2" production casing for completion.

Perforations:

Arbuckle 3rd break: 3482-88 (first squeeze if wet)
 2nd break: 3470-76
 top break: 3456-59, 3462-64

ICE TIME IN MINUTES
PER FOOT
Penetration Decreases

DEPTH

2800

2800

2900

Topoka
> 2941(993)

50

5h: 9" g
 Ls: tan, f. xln. 2-3 ex ul
 spt'd sfa in pr pp, fite. 11
 od.
 6w: 9" g
 5h: 3" g
 Ls: tan, ind xln, few foss
 mostly pebb, scat sbrx
 rx. dk g. - blk cnt d
 w/ depth.
 5h: 6" g

LEGEND

- Anhydrite
- Silt
- Sandstone
- Shale
- Caliche
- Gravel
- Chert
- Dolomite

CORE STOWS

SAMPLE DESCRIPTIONS

LITHOLOGY

REMARKS

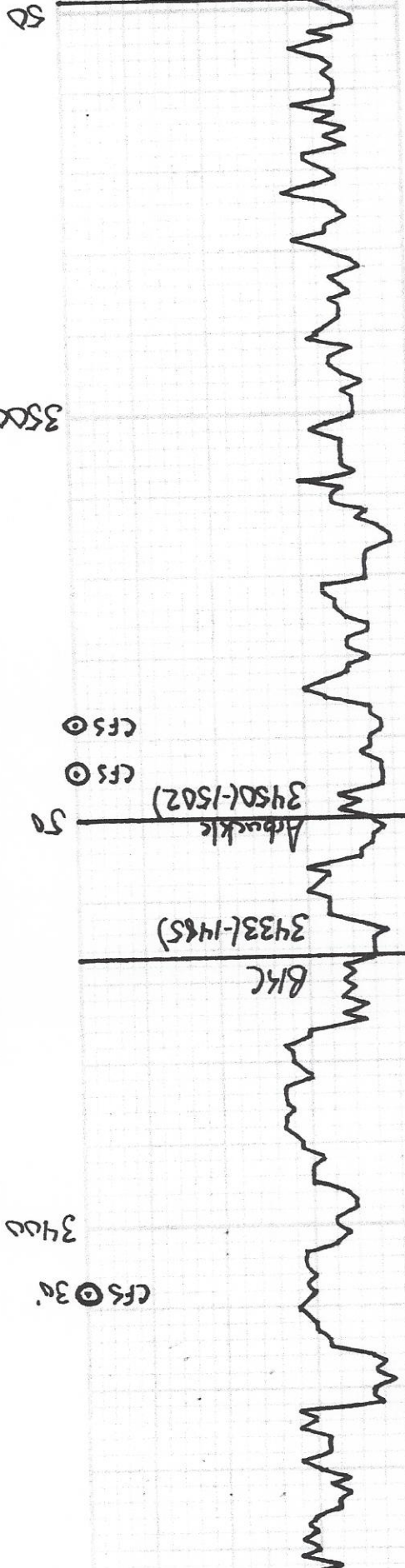
V.6: 6L Wt: 8.9
 DST #1
 3184 - 3265
 45 - 45 - 45 - 46
 I.F. - 808 36 min
 F.F. - 5" below
 I.F.P: 19-62
 F.F: 71-104
 S.I.P: 943-934
 H.P: 1551-1515
 Rec:
 195' WCM 25% W
 BHT: 98' CL: 65K
 Strip = .37' Short
 DST #2
 3266 - 3296
 45 - 46 - 46 - 46
 I.F. - 22'

1/30
 3200
 3100
 50
 3000
 LS: form, mid xln, few foss, frgy intld. Many dns
 ex. gr. scat subxln-chiky
 NS, No Od.
 SH: Black Carb
 SH: grgy w/ brn
 LS: Wnt, vfn-wic xln, 60%
 xln, frgy No visk + vdns.
 NS.
 LS: Wnt, vfn xln, No visk,
 vdns, All NS.
 LS: Mostly A1A, scat
 mid foss, prs.
 SH: grgy w/ brn
 LS: form-wnt mid xln, intld.
 SH: Black Carb
 LS: Wnt, fvxln, mostly
 dns. Scat vngs, few sub
 xln ex. 5mpts not represent
 drill time. All NS.
 LS: Mostly A1A, prs + dns,
 All NS.
 SH: grgy
 SH: grgy
 LS: Wnt-fom, fn-wd, scat
 foss. 1-2 ex w/ pr resid
 60% in pr. fr vngs. Rk sub
 xln imp. NSfo, no od.
 LS: Wnt-fom, mid xln,
 scat foss, subxln. Scat
 blk + form shp chkd.
 All NS.
 SH: Black Carb
 SH: grgy
 LS: Wnt, fvxln, sub
 xln-chiky, frgy prs +
 dns. All NS, No Od.
 SH: grgy w/lt grn
 LS: Wnt, fvxln, stlly below
 w/ few foss. pr. fr int xln +
 prs. fr-gd if brn scat str, fr
 soft sfo. fr-gd Od. Rk stly blk.
 SH: grgy

3200
 3100
 50
 3000
 LRC
 3209(1261)
 3177(1229)
 Toronto
 3160(1212)
 HEBNER
 3000

W. J. ...

(170 : 3551(-1603))



Sh: gy - dk gy
 L5: tom-wht, md xln, foss.
 Pr inf foss & vngs, scat fr
 stn in fite ex, rare str H
 Oa.
 Sh: gy
 L5: xln, mostly subxl
 chky w/ ns. 2-3 ex w/ fr: intxg
 ben str w/ spid sfo, H Oa. Trng
 prs & dms.
 L5: wnt, frng vln xln, No
 vlsx, ns
 Sh: brn - red, washes red.
 L5: wnt, scat tom. vln
 xln, vlns, no visr.
 Totally barren, no Oa.
 Sh: brn
 L5: A1A, prs, few subxln
 ex.
 Sh: gy
 L5: tom, prs, dms
 Sh: gy
 Oa: tom, fu, md subxln, scat
 sm- and rhomb. fr intxg
 silt, fite, fll, fr: abe. fr -gd
 silt, w/ gd sfo when barren.
 gd Oa, free oil on cup.
 Oa: tom-wht, r. md rhomxln,
 fr vng & prs. gd sat str wnt
 fr vng & prs. free oil on cup,
 strong Oa. Rk frng siltg
 fite & dms w/ depth.
 Oa: wnt, md rhom xln, fr-gd
 vngs, frmt slp wnt chto.
 fr-gd sat str, fr sfo. Much
 free oil on cup, strong Oa.
 Oa: wnt, md-crs rhomxln.
 scat fr vngs w/ fr vng sfo.
 fr ant barren ex, gd Oa.
 Oa: Scat ex A1A, frng
 mostly barren. Fr out
 slp frng wnt chto. fr Oa.
 Oa: wnt - H tom, md - crs
 rhom xln, scat fr vngs.
 many fite ex. Mostly
 barren, carrying H str.
 H Oa. wnt slp chto.

Vls: 56
 Lft: 9
 DST # 3
 3421 - 3462
 45-46-48-48
 I.F.-808 13 min
 F.F.-9 1/2" blow
 I.F. 31-72
 F.F. 79-94
 S.I.P. 477-364
 H.P. 1743-1659
 Rec:
 55' GIP
 65' 60 96%
 60' 60 76%
 65' 60 60%
 BHT: 101' G=34