

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

Operator: License # 5399

Name: American Energies Corporation

Address 155 North Market, Suite 710

Wichita, Kansas 67202

City/State/Zip _____

Purchaser: _____

Operator Contact Person: Alan L. DeGood

Phone (316) 263-5785

Contractor: Name: Mallard JV, Inc.

License: 4958

Wellsite Geologist: Kurt Smith

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD SIOW 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 PBTB

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

6/29/93 7/04/93 7/29/93

Spud Date Date Reached TD Completion Date

API NO. 15- 065-22707 ⁰⁰⁻⁰⁰ ORIGINAL

County Graham

NE SW Sec. 2 Twp. 7S Rge. 23 E V

1980 Feet from (circle one) Line of Section

1980 Feet from (circle one) Line of Section

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

Lease Name Ft. Hays Well # 2

Field Name Unnamed

Producing Formation Lansing

Elevation: Ground 2441 KB 2446

Total Depth 3920 PBTB 2130

Amount of Surface Pipe Set and Cemented at 274 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate I completion, cement circulated from 2130

feet depth to Surface w/ 425 sx cat.

Drilling Fluid Management Plan 7-21-93
(Data must be collected from the Reserve Pit)

Chloride content 500 ppm Fluid volume 1000 bbls

Dewatering method used Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name American Energies Corp.

Lease Name Ft. Hays #2 License No. 5399

SW Quarter Sec. 2 Twp. 7S S Rng. 23 E V

County Graham 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 for 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 Alan L. DeGood

Title Vice-President Date 7/20/93

Subscribed and sworn to before me this 20th day of July 19 93.

Notary Public Melinda S. Wooten

Date Commission Expires 3-12-96

MELINDA S. WOOTEN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 3-12-96

CONSERVATION DIV. OFFICE USE ONLY
Wichita, Kansas
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

JUL 21 1993 7-21-93

(during drilling)
 Northern Lights Oil Company
 American Energies Corporation (at completion)

SIDE TWO

Operator Name _____ Lease Name Fort Hays Well # 2
 Sec. 2 Twp. 7S Rge. 23 East County Graham
 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.

<p>Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)</p> <p>See Attachment <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey</p> <p>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)</p> <p>List All E.Logs Run: _____</p> <p>Radiation Guard Log _____</p> <p>Cement Bond Log _____</p>	<table border="0" style="width: 100%;"> <tr> <td style="width: 10%;"><input checked="" type="checkbox"/> Log</td> <td style="width: 70%;">Formation (Top), Depth and Datum</td> <td style="width: 20%;"><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2096</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3670</td> <td>-1224</td> </tr> <tr> <td>Lansing</td> <td>3709</td> <td>-1268</td> </tr> <tr> <td>B/KC</td> <td>3904</td> <td>-1463</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	2096		Heebner	3670	-1224	Lansing	3709	-1268	B/KC	3904	-1463
<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample																	
Name	Top	Datum																	
Anhydrite	2096																		
Heebner	3670	-1224																	
Lansing	3709	-1268																	
B/KC	3904	-1463																	

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
Surface	12 1/4	8 5/8	20#	274	60/40 Poz	170	CaCl
Disposal	7 7/8	4 1/2	10.5#	2130	Lite	425	Flo Seal

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
1 sh/ft.	1720-1830 Proposed			

TUBING RECORD	Size <u>2 3/8 Dualined</u>	Set At <u>1535</u>	Packer At <u>1535</u>	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (if vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Saltwater Disposal Well	_____

ORIGINAL

15-065-22707-00-00

FORT HAYS #2

**NE SW SECTION 2-T7S-R23W
Graham County, Kansas**

Results of DST #1 as follows:

7/03/93

Results DST #1: 3770-3790
(Lansing E-F Zones). Times:
30-45-30-45. Recovered 270'
total fluid, 60' GIP, 30' C Oil,
120' OWCM (15% Oil, 20% Water,
65% Mud), 120' Saltwater (80,000
chl.). IFP: 29-49#, ISIP: 986#,
FFP: 68-68#, FSIP: tool didn't
close 127#.

RECEIVED
STATE CORPORATION COMMISSION

JUL 21 1993
7-21-93
CONSERVATION DIVISION
Wichita, Kansas

ORIGINAL

TELEPHONE:
AREA CODE 913 483-2627

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

30-01

TO: American Energy
155 N. Market, Suite #710
Wichita, KS 67202

INVOICE NO. 64321
PURCHASE ORDER NO.
LEASE NAME Fort Hays #2
DATE 7-3-93

SERVICE AND MATERIALS AS FOLLOWS:

15-005-22707-00-00

Lite 425 sks @\$4.75 \$2,018.75
Flo Seal 106# @\$1.10 116.60 \$2,135.35

Handling 425 sks @\$1.00 425.00
Mileage (43) @\$.04¢ per sk per mi 731.00
Production 980.00
Mi @\$2.25 pmp trk chg 96.75
1 plug 33.00 2,265.75

4 Centralizers-----\$ 212.00 If account CURRENT 20% discount will
2 Baskets----- 226.00 be allowed ONLY if paid within 30 days
1 AFU Insert----- 169.00 from date of invoice.
1 Baker Triplex Shoe----- 1,550.00 2,157.00

Total \$6,558.10

Thank you!

Cement circulated

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

DEPTH of Job			Handling	1.00	425.00
Reference:			Mileage 43m	.04	731.00
#	Pump Trk	980.00			Sub Total
	1-4 1/2" Rubber Plug	33.00			3291.35
	235 Per mile 4.3m	96.75			
	Sub Total	1109.75			
	Tax				
	Total				
Remarks:	Cement Did Circulated		Floating Equipment		
Witness by	G. L. Jackson		4 - Centralizers	#	212.00
"	C. J. ...		2 - Baskets		226.00
"	Marilyn Kaufman		1 - AFU Insert		169.00
"	15 SKS IN RET HOLE		1 - Baker Triplex Shoe		1550.00
					\$ 2157.00

RECEIVED
CORPORATION COMMIS



HALLIBURTON SERVICES

A Halliburton Company

INVOICE

INVOICE NO.	DATE
340586	06/28/1993

WELL LEASE NO./PLANT NAME		WELL/PLANT LOCATION		STATE	WELL/PLANT OWNER
FORT HAYS 2		GRAHAM		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
OBERLIN		MALLARD DRILLING CO	CEMENT SURFACE CASING		06/28/1993
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
634251	ARNIE HESS			COMPANY TRUCK	5267

15-065-22707-00-00

NORTHERN LIGHTS OIL CO
P O BOX 164
ANDOVER, KS 67002

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
PRICING AREA - EASTERN AREA1					
000-117	MILEAGE	45	MI	2.75	123.75
		1	UNT		
001-016	CEMENTING CASING	274	FT	515.00	515.00
		1	UNT		
030-503	WOODEN PLUG	8 5/8	IN	95.00	95.00
		1	EA		
504-136	CEMENT - 40/60 POZMIX STANDARD	170	SK	6.85	1,164.50
509-406	ANHYDROUS CALCIUM CHLORIDE	5	SK	28.25	141.25
500-207	BULK SERVICE CHARGE	180.0	CFT	1.25	225.00
500-306	MILEAGE CMTG MAT DEL OR RETURN	335.57	TMI	.85	285.23
INVOICE SUBTOTAL					2,549.73
DISCOUNT-(BID)					949.73-
INVOICE BID AMOUNT					1,600.00
*-KANSAS STATE SALES TAX					55.82
*-DECATUR COUNTY SALES TAX					11.39
INVOICE TOTAL - PLEASE PAY THIS AMOUNT					\$1,667.21

RECEIVED
STATE CORPORATION COMMISSION

JUL 21 1993

CONSERVATION DIVISION
Wichita, Kansas

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE. UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED, CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM. IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT, CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT.

15-005-22707-00-00

ORIGINAL

TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

Drill-Stem Test Data

Well Name FT HAYS #2 Test No. 1 Date 7/2/93
 Company NORTHERN LIGHTS OIL CO L.P. Zone LKC-"E-F"
 Address P.O. BOX 164 ANDOVER KS 67002 Elevation 2446
 Co. Rep./Geo. KURT SMITH Cont. MALLARD DRLG Est. Ft. of Pay _____
 Location: Sec. 2 Twp. 7S Rge. 23W Co. GRAHAM State KS

Interval Tested 3770-3790 Drill Pipe Size 4.5" FH
 Anchor Length 20 Wt. Pipe I.D. - 2.7 Ft. Run _____
 Top Packer Depth 3765 Drill Collar - 2.25 Ft. Run 300
 Bottom Packer Depth 3770 Mud Wt. 9.4 lb/Gal.
 Total Depth 3790 Viscosity 52 Filtrate 10.8

Tool Open 12:42 Initial Blow WEAK-BUILDING TO 1 1/2"

Final Blow WEAK-STEADY SURFACE BLOW

Recovery - Total Feet 270 Flush Tool? NO

Rec. <u>60</u>	Feet of	<u>GAS IN PIPE</u>
Rec. <u>30</u>	Feet of	<u>CLEAN OIL</u>
Rec. <u>60</u>	Feet of	<u>OIL & WTR CUT MUD-20%OIL/20%WTR/60%MUD</u>
Rec. <u>60</u>	Feet of	<u>WTR & OIL CUT MUD-10%OIL/20%WTR/70%MUD</u>
Rec. <u>120</u>	Feet of	<u>WATER</u>

BHT 107 °F Gravity 70 °API Chlorides 80000 ppm Recovery °F Corrected Gravity 1500 °API
 RW 0.09 Chlorides 1500 ppm System

(A) Initial Hydrostatic Mud 1990.3 PSI AK1 Recorder No. 13754 Range 4000

(B) First Initial Flow Pressure 22.4 PSI (depth) 3774 w / Clock No. 27567

(C) First Final Flow Pressure 51.6 PSI AK1 Recorder No. 7437 Range 4200

(D) Initial Shut-in Pressure 980.3 PSI (depth) 3786 w / Clock No. 27501

(E) Second Initial Flow Pressure 74.2 PSI AK1 Recorder No. _____ Range _____

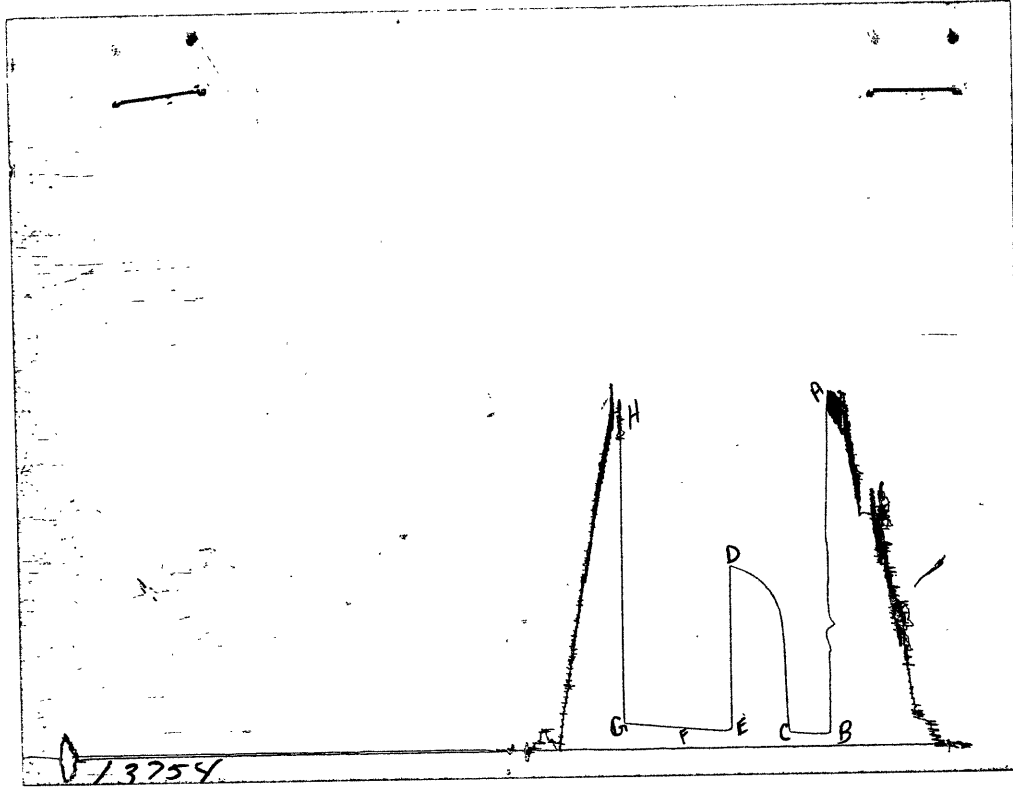
(F) Second Final Flow Pressure 93.1 PSI (depth) _____ w / Clock No. _____

(G) Final Shut-in Pressure 134.5 PSI Initial Opening 30 Final Flow 30

(H) Final Hydrostatic Mud 1940.7 PSI Initial Shut-in 45 Final Shut-in 45

Our Representative DAN BANGLE

CHART PAGE



This is an actual photograph of recorder chart

	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	1986	1990.3
(B) FIRST INITIAL FLOW PRESSURE	29	22.4
(C) FIRST FINAL FLOW PRESSURE	49	51.6
(D) INITIAL CLOSED-IN PRESSURE	986	980.3
(E) SECOND INITIAL FLOW PRESSURE	68	74.2
(F) SECOND FINAL FLOW PRESSURE	88	93.1
(G) FINAL CLOSED-IN PRESSURE	127	134.5
(H) FINAL HYDROSTATIC MUD	1936	1940.7

DST #

1

TICKET

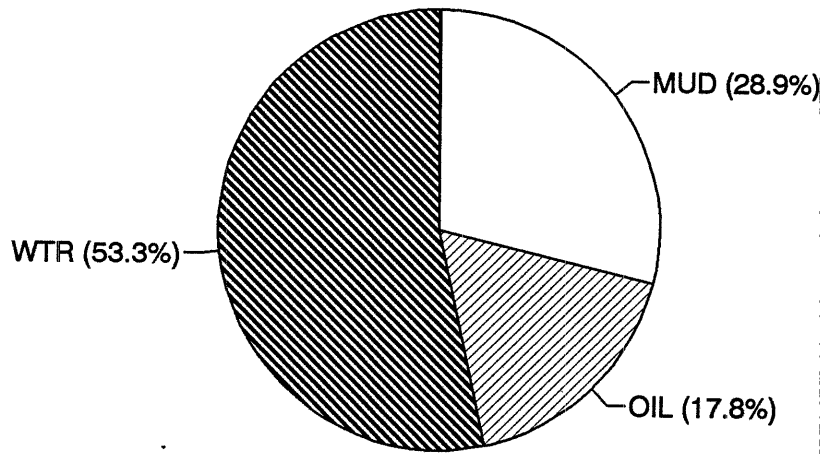
5698

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	30	0	0	100	30	0	0	0	0
2	60	0	0	20	12	20	12	60	36
3	60	0	0	10	6	20	12	70	42
4	120	0	0	0	0	100	120	0	0
5			0		0		0		0
TOTAL	270	0.00	0	17.78	48	53.33	144	28.88889	78

			HRS OP	BBL/DAY
BBL OIL=	0.23472	*	1	5.63328
BBL WATER=	0.70416	*		16.89984
BBL MUD=	0.38142			
BBL GAS=	0			

15-065-22707-00-00

MUD
OIL
WTR
WTR



TRILOBITE TESTING L.L.C.

P.O. Box 362 • Hays, Kansas 67601

15-065-22707-00-00

Test Ticket

No 5698

Well Name & No. FT. Hays #2 Test No. 1 Date 7-2-93
 Company Northern Lights Oil Co. Zone Tested E-F h.k.c
 Address Box 164, Andover, Ks. 67230 Elevation 2446 K.B.
 Co. Rep./Geo. Kurt Smith Cont. Mallard Est. Ft. of Pay _____
 Location: Sec. 2 Twp. 7 Rge. 23 Co. Graham State Ks.
 No. of Copies 5 Distribution Sheet _____ Yes _____ No _____ Turnkey _____ Yes _____ No _____ Evaluation _____

Interval Tested 3770 - 3790 Drill Pipe Size 4 1/2" FH
 Anchor Length 20 Top Choke — 1" _____ Bottom Choke — 3/4" _____
 Top Packer Depth 3765 Hole Size — 77/8" _____ Rubber Size — 6 3/4" _____
 Bottom Packer Depth 3770 Wt. Pipe I.D. — 2.7 Ft. Run _____
 Total Depth 3790 Drill Collar — 2.25 Ft. Run 300
 Mud Wt. 9.4 lb/gal. Viscosity 52 Filtrate 10.8
 Tool Open @ 12:42 Initial Blow Weak - building to 1 1/2"
 Final Blow Weak steady surface blow.

Recovery — Total Feet	Feet of Gas in Pipe	Flush Tool?
<u>270</u>	<u>60</u>	_____
Rec. <u>30</u> Feet Of <u>C.O</u>	%gas _____ %oil _____ %water _____ %mud _____	
Rec. <u>60</u> Feet Of <u>Oil + WTR + CM</u>	%gas <u>20</u> %oil <u>20</u> %water <u>60</u> %mud _____	
Rec. <u>60</u> Feet Of <u>WTR + O.C.M</u>	%gas <u>10</u> %oil <u>20</u> %water <u>70</u> %mud _____	
Rec. <u>120</u> Feet Of <u>WTR.</u>	%gas _____ %oil _____ %water <u>100</u> %mud _____	
Rec. _____ Feet Of _____	%gas _____ %oil _____ %water _____ %mud _____	

BHT 107 °F Gravity _____ °API @ _____ °F Corrected Gravity _____ °API
 RW .09 @ 70 °F Chlorides 80,000 ppm Recovery Chlorides 1500 ppm System
 (A) Initial Hydrostatic Mud 1986 PSI AK1 Recorder No. 13754 Range 4000
 (B) First Initial Flow Pressure 29 PSI @ (depth) 3774 w/Clock No. 27567
 (C) First Final Flow Pressure 49 PSI AK1 Recorder No. 7437 Range 4200
 (D) Initial Shut-In Pressure 986 PSI @ (depth) 3786 w/Clock No. 27501
 (E) Second Initial Flow Pressure 68 PSI AK1 Recorder No. _____ Range _____
 (F) Second Final Flow Pressure 88 PSI @ (depth) _____ w/Clock No. _____
 (G) Final Shut-In Pressure 127 PSI Initial Opening 30 Test 600.00
 (H) Final Hydrostatic Mud 1936 PSI Initial Shut-In 45 Jars _____

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.

Final Flow 30 Safety Joint _____
 Final Shut-In 45 Straddle _____
 Circ. Sub _____
 Sampler _____
 Extra Packer _____
 Other _____
 TOTAL PRICE \$ _____

Approved By _____

Our Representative Dan Banoff