

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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  Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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5-10-17  
#7073

# SWIFT



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300



## Invoice

DATE	INVOICE #
4/10/2017	29896

BILL TO
R.L. Investment LLC
<del>HC-1, Box 63</del> 2698 JO Terrace
<del>Morland, KS 67650-9718</del>
Hill City, KS 67642

Please  
correct  
address

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1-32	Koster H	Sheridan	STP Drilling Rig #1	Oil	Development	Cement 5 1/2 2 s...	David K.

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	80	Miles	5.00	400.00
579D	Pump Charge - Two-Stage & Top To Bottom LongString	1	Job	1,700.00	1,700.00
402-5	5 1/2" Centralizer	8	Each	60.00	480.00T
403-5	5 1/2" Cement Basket	2	Each	250.00	500.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	300.00	300.00T
408-5	5 1/2" D.V. Tool & Plug Set	1	Each	3,250.00	3,250.00T
411-5	5 1/2" Recipo Scratcher	32	Each	45.00	1,440.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle	1	Each	200.00	200.00T
580	Additional Hours (If Circulate More Than 1 Hour)	4	Hours	200.00	800.00T
325	Standard Cement	175	Sacks	12.25	2,143.75T
284	Calseal	8	Sack(s)	30.00	240.00T
283	Salt	900	Lb(s)	0.20	180.00T
292	Halad 322	100	Lb(s)	8.00	800.00T
276	Flocele	150	Lb(s)	2.25	337.50T
330	Swift Multi-Density Standard (MIDCON II)	350	Sacks	15.75	5,512.50T
290	D-Air	5	Gallon(s)	42.00	210.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
281	Mud Flush	1,000	Gallon(s)	1.25	1,250.00T
581D	Service Charge Cement	525	Sacks	1.50	787.50
583D	Drayage	2,130	Ton Miles	0.75	1,597.50
	Subtotal				22,178.75
	Sales Tax Sheridan County			8.50%	1,503.97

**We Appreciate Your Business!**

**Total**

\$23,682.72





TICKET 29896

CHARGE TO: RL Investments  
 ADDRESS  
 CITY, STATE, ZIP CODE

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. Wess City KS  
 2. Wess City KS  
 3. Wess City KS  
 4. Wess City KS

WELL/PROJECT NO. #1-32 LEASE Master H COUNTY/PARISH Sheridan STATE KS CITY Seaman  
 CONTRACTOR STP Drilling LLC RIG NAME/NO. #1 SHIPPED VIA CT DELIVERED TO Seaman DATE 4-10-17 OWNER Seame  
 WELL TYPE Oil WELL CATEGORY Development JOB PURPOSE Cement 5 1/2" two-stage WELL PERMIT NO. Sequin ks-25, E, 1/2 w Wine

INVOICE INSTRUCTIONS

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING		DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
		LOC	ACCT							
575		1					80	mi	5.00	400.00
574		1		MILEAGE			1 job		1700.00	1700.00
402		1		Pump Charge - Two-Stage	5 1/2	in				
403		1		Centralizer	5 1/2	in	8	ea	60.00	480.00
407		1		Cement Basket	5 1/2	in	2	ea	250.00	500.00
408		1		Insert Flat Shoe w/ Auto Fill	5 1/2	in	1	ea	300.00	300.00
411		1		D.V. Tool + Plug Set	5 1/2	in	1	ea	3250.00	3250.00
417		1		Recipe Scratcher	5 1/2	in	32	ea	45.00	1440.00
580		1		D.V. Batch Down Plug + Baffle	5 1/2	in	1	ea	200.00	200.00
		1		Additional Hours - (Circulate Between Stages)			4	hrs	200.00	800.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X [Signature] TIME SIGNED 2200 5:00 P.M.

DATE SIGNED 4-10-17

REMIT PAYMENT TO:  
 SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY  
 OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?  
 WE UNDERSTOOD AND MET YOUR NEEDS?  
 OUR SERVICE WAS PERFORMED WITHOUT DELAY?  
 WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?  
 ARE YOU SATISFIED WITH OUR SERVICE?  
 YES  NO

AGREE  UN-DECIDED  DIS-AGREE

PAGE TOTAL #1 9070  
 #2 13108 75

Stender  
 TAX 8.5%

TOTAL 23882.72

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR David Kuehn APPROVAL

Thank You!







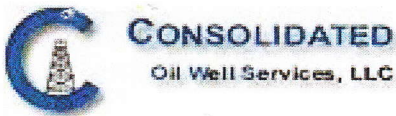
JOB LOG

SWIFT Services, Inc.

DATE \_\_\_\_\_ PAGE NO. \_\_\_\_\_

CUSTOMER R.L. Investments	WELL NO. #1-32	LEASE Hester H	JOB TYPE Two-Stage	TICKET NO. 29896
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CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2000							on location 5 1/2 15.5"
								RTD-4217, LTD-4216'
								TP-4214' SS-22.26'
								D.U. #40 2459' 32 recipo
								cent- #1"2"3"4"6"8"10"39
								Basket - #40 #45
	2045							Start 5 1/2" 15.5" casing in well
	2235							Drop Ball circulate * Reciprocate *
4-11-17	0115	6 1/2	12		✓	400		Pump 500 gal Mud Flush
		6 1/2	20		✓	400		Pump 20 bbl 15ch Flush
	0120	4 1/2	42		✓	300		Mix 175 sks EA-2 @ 15.5 ppg
								Wash out Pump + Lines Release Latch Down Plug
	0137	6 1/2	∅		✓	200		Start Displacement
		6 1/2	70		✓	500		Lift Pressure
	0155	6 1/2	99.7		✓	1800		Land Latch Down Plug *Release Hold* Drop Bomb
	0200	∅	∅		✓	1300		Open D.U. Tool
	0205							Circulate 3 hrs
	0455	6 1/2	12		✓	300		Pump 500 gal Mud Flush
		<del>6 1/2</del>	16					Plug RH (30 sks)
	0500	6 1/2	177		✓	200		Mix 320 sks SMD @ 11.2 ppg
								Wash out Pump + Lines Release top Plug
	0535	6 1/2	∅		✓	200		Start Displacement
		6 1/2	15		✓	400		Lift Pressure
		6 1/2	50		✓	600		circulate Cement to pit *15 sks*
	0545	6 1/2	58.5		✓	1800		Close D.U. Tool *Release Hold*
								wash up truck
	0630							Job Complete
								Thank You Drew Prosten Shane Isaac



REMIT TO  
 Consolidated Oil Well Services, LLC  
 Dept:970  
 P.O.Box 4346  
 Houston, TX 77210-4346

4-23-17  
 #7041

MAIN OFFICE

P.O.Box884  
 Chanute, KS 66720  
 620/431-9210, 1-800/467-8676  
 Fax 620/431-0012

Invoice Invoice# 809984

Invoice Date: 03/31/17 Terms: Net 30 Page 1

RL INVESTMENTS, LLC  
 2698 J O TERRACE  
 HILL CITY KS 67642  
 USA  
 7854216448

KOSTER H 1-32

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0471	Cement Pump Charge 301' - 500' (Coalbed/Methane)	1.000	1,150.0000	35.000	747.50
CE0002	Equipment Mileage Charge - Heavy Equipment	20.000	7.1500	35.000	92.95
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	35.000	429.00
CC5871	Surface Blend II, 2% Gel/3% CaCl	180.000	23.0000	35.000	2,691.00

Subtotal 6,093.00  
 Discounted Amount 2,132.55  
 SubTotal After Discount 3,960.45

Amount Due 6,444.90 If paid after 04/30/17

Tax: 228.74  
 Total: 4,189.19





**CONSOLIDATED**  
Oil Well Services, LLC

7900  
7797

TICKET NUMBER 51726  
LOCATION Oakley Ks  
FOREMAN Jerry Y

PO Box 834, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

Invoice # 809984 KS

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
3-31-17	7171	Koster-H 1-32	32	8s	29w	Sheldon	
CUSTOMER <u>RL Investments</u>			Sag 11/25				
MAILING ADDRESS <u>2698 JO Terrace</u>			IE 1N Winto				
CITY <u>Hill City</u>		STATE <u>KS</u>	ZIP CODE <u>67642</u>				
TRUCK #		DRIVER		TRUCK #		DRIVER	
<u>753</u>		<u>Travis W</u>					
<u>566</u>		<u>Steve O</u>					
<u>639</u>							

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 225 CASING SIZE & WEIGHT 8 5/8 230  
 CASING DEPTH 225 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 20'  
 DISPLACEMENT 13 1/2 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting on STP break circulation with rig tree mix 180 sks surface blend II wash up & displace with 13 1/2 bbl fresh water & shut in. Circulated approx 1/2 bbl top of

cement did circulate

Thank you Jerry & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
<u>CE0491</u>	<u>1</u>	<u>PUMP CHARGE</u>	<u>1150.00</u>	<u>1150.00</u>
<u>CE0002</u>	<u>20</u>	<u>MILEAGE</u>	<u>7.15</u>	<u>143.00</u>
<u>CE0711</u>	<u>846</u>	<u>ton mileage delivery (min)</u>	<u>660.00</u>	<u>660.00</u>
<u>CC5871</u>	<u>180 sks</u>	<u>surface blend II</u>	<u>23.00</u>	<u>4140.00</u>
			<u>Subtotal</u>	<u>6093.00</u>
			<u>-35%</u>	<u>2132.55</u>
			<u>Subtotal</u>	<u>3960.45</u>
			SALES TAX	<u>228.74</u>
			ESTIMATED TOTAL	<u>4189.19</u>

Ravin 3737

AUTHORIZATION [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**Geo Log Header**  
**WellSight Systems**

Scale 1:240 (5"=100") Imperial  
Measured Depth Log

Well Name: Koster H 1-32  
API: 15-179-21434-00-00  
Location: Section 32 - T8S - R29W Sheridan County, KS  
License Number: 33268  
Spud Date: 03- 31-2017  
Surface Coordinates: 450' FNL & 660' FWL  
Region:  
Drilling Completed: 4-8-2017

Bottom Hole  
Coordinates:  
Ground Elevation (ft): 2836' K.B. Elevation (ft): 2843'  
Logged Interval (ft): 3500' To: 4250' Total Depth (ft):  
Formation: Kansas City  
Type of Drilling Fluid: Chemical/Polymer/Gel

Printed by STRIP.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

**OPERATOR**

Company: RL Investment. LLC  
Address: 2698 J O Terrace  
Hill City, KS 67642

**GEOLOGIST**

Name: Patrick J. Deenihan  
Company:  
Address:



### REMARKS

Samples were put in KS. Geological Survey storage office.

Respectfully submitted,

Pat J. Deenihan

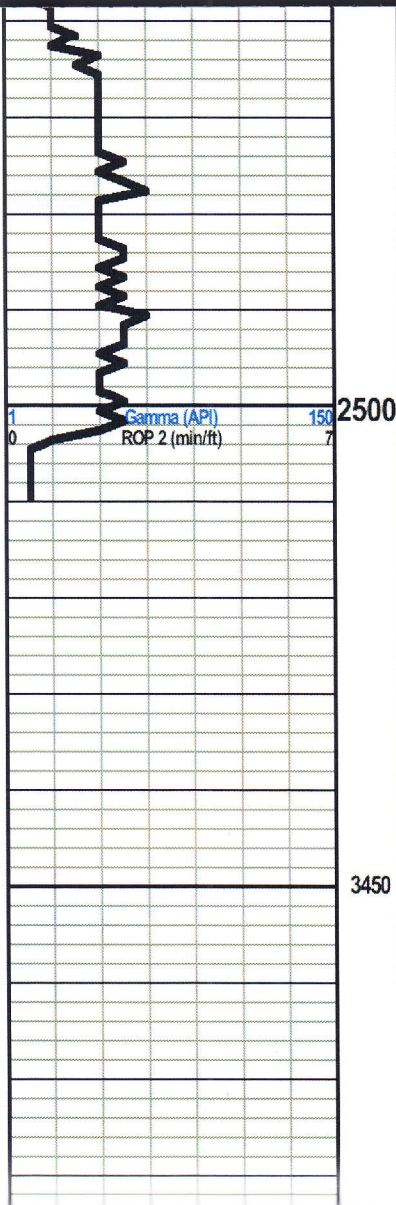
### DSTs

DST #1 (3946-3991')                    30"-45"-45"-60"  
1st Open: Built to 5" in 30"        No Blow Back  
2nd Open: Built to 6" in 45"        No Blow Back  
REC: 185' WM. (35% Water-65% mud.)  
IFP: 13-71#                                FFP: 73-103#  
ISIP: 1289#                                FSIP: 1276#  
IHP: 1905#                                FHP: 1893#

DST #2 (4046-4102)                    30"-45"-45"-60"  
1st Open: 1/4" Blow Built to 4"        No Blow Back  
2nd Open: W.S.B. Built to 3.5"        No Blow Back  
REC: 75' GIP; 25' Clean oil Gravity 33@ 60 degrees Far.  
50' Sli- GCOCWM. ( 2% Gas,20% Oil, 30% Wtr. 48% Mud,)  
IFP: 30-38#                                FFP: 59-70#  
ISIP: 885#                                FSIP: 931#  
IHP: 1973#                                FHP: 1960#

DST #3 (4085' - 4102')                    30"-45"-45"-60"  
1st Open: BOB in 9"                    No Blow Back  
2nd Open: BOB in 1" 40 Sec.        No Blow Back  
REC: 3858' GIP; 1' of Clean Oil; 93' OCM (33% OIL-67% Mud)  
122' WCMCO ( 60% Oil-10% Wtr.-30% Mud)  
IFP: 13-78#                                FFP: 65-107#





ANHYDRITE 2463 ( +373)

BASE/ ANHY. 2503 ( +333)

TG, C1-C5

Geologist on location = \*

- 03-31-17 : Spud Well
- 04-01-17 : 250' Set Surface
- 04-02-17 : 1800'
- 04-03-17 : 2834'
- 04-04-17 : 3440\*
- 04-05-17 : 3895'
- 04-06-17 : 3991\*\*
- 04-07-17 : 4090' \*
- 04-08-17 : 4102\*\*
- 04-09-17 : 4132\*\*
- 04-10-17 : 4217\*\*



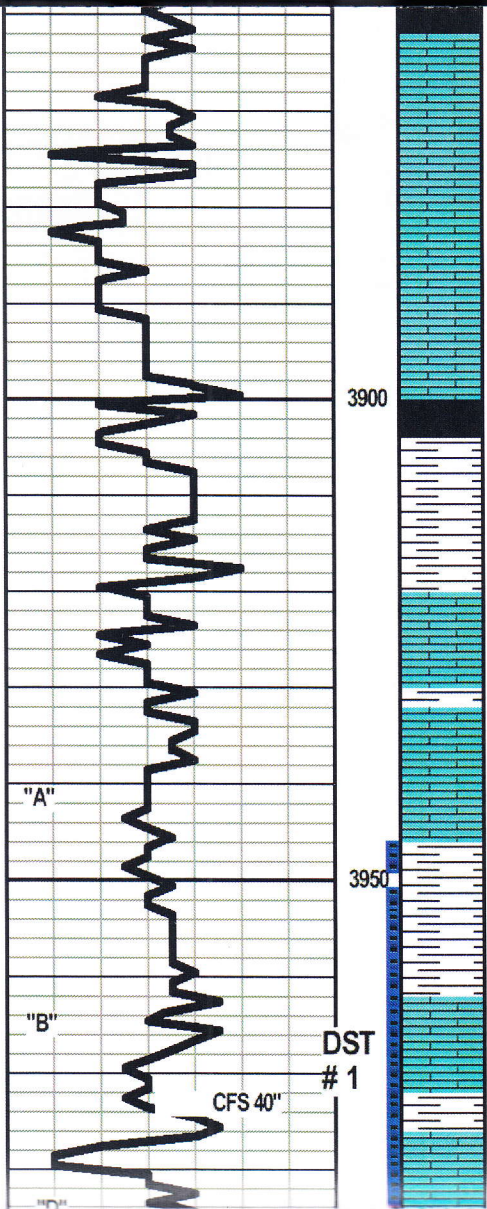












Sh., Black Carb. Queen Hill 3838 (-1015)  
 Ls., wht., Lt-Gry. Fn-xln., Fssl., Sub -Chalky., scattered Blsck  
 desd oil stn. No Free Oil, No Odor, No Fluor.

**SHORT TRIP @ 3969**

Ls., As/ Above.

**HEEBNER 3900 (-1057)**

Sh., Black Carb.

Sh., Gry, Grn., Brn. Argil

**TORONTO 3920 (-1077)**

Ls., Wht., Tan., Fn-xln., Fssl., Trc. of chert No show

**LANSING 3933 (-1090)**

Ls., Wht., Lt-Gry. Fn-xln., Fssl. sli Cherty to sub-Chalky. NO  
 Show.

Sh., Choc. Brn., Gry., Grn., gummy to Argil

Samples washing Brown.

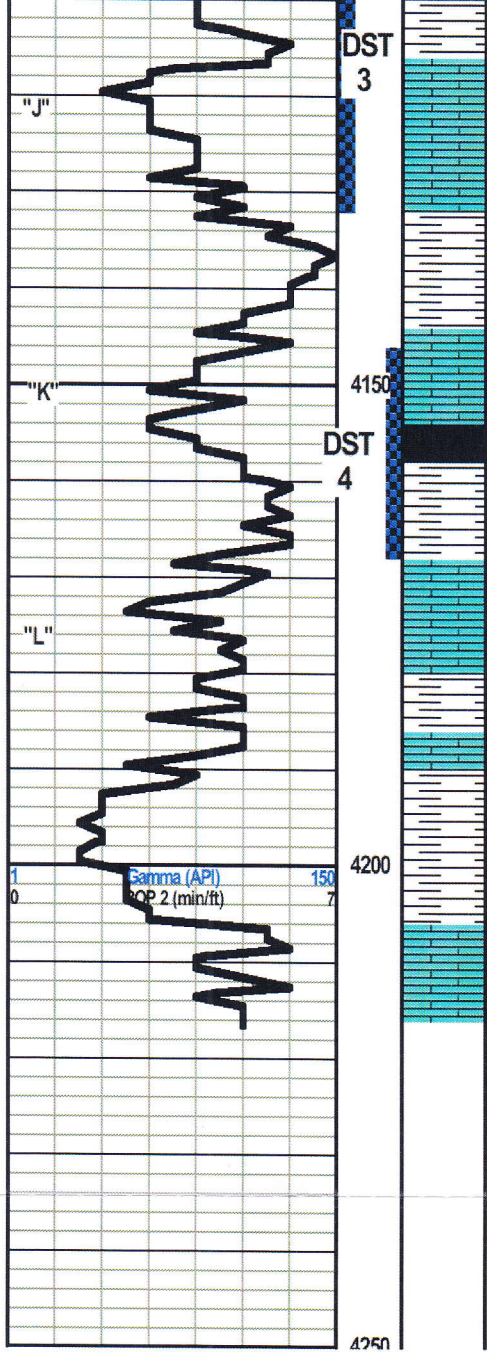
Ls., Wht., Crn., Lt-Gry., Fn-xln., Fn-Inter-xln., to sli-Fssl.  
 Abund. Scattered Black Oil Stn.

Sh., Gry.

Ls., Wht., Lt-Gry., Crn., Fn-xln., Fssl. (Ool.) F-inter-xln por.,  
 Scat., LFO Dk-Brn. to LT-Brn. Abund Brn. stn. on edges, Light  
 to Fair Sweet Odor, Scat.P-Flor.







Ls Crm., Lt, Gry., Ool with Fn-grn Inter- Dolo. Matrix, GSLFO. G-Odor. Bright Fluor.

Sh., Vari-Color. Argil.

Ls., Crm. Lt-Gry. Fn-xln., Fssl. (Ool) Scat. Strn., G-SLFO in a few pcs upon Crushing.Sli-Odor.

Ls., Lt-Gry., Gry. Dense Micr-xln., Sub Chalky No show

Sh., Vari Color. Argil.

BKC 4178 (-1335)

Sh., Vari-Color.

Ls., Gry., Sub Chalky to Dense Fn-xln., No Show.

RTD:=4217'

LTD- 4216'

0 TG, C1-C5 400



**DIAMOND TESTING, LLC**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(620) 653-7550 • (800) 542-7313  
KOSTER"H"#1-32DST#1

Company R. L. Investment, LLC Lease & Well No. Koster "H" No. 1-32  
Elevation 2843 KB Formation Lansing "B" & "D" Effective Pay      Ft. Ticket No. P0174  
Date 4-6-17 Sec. 32 Twp. 8S Range 29W County Sheridan State Kansas  
Test Approved By Patrick J. Deenihan Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 3,946 ft. to 3,991 ft. Total Depth 3,991 ft.  
Packer Depth 3,940 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 3,946 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 3,933 ft. Recorder Number 5950 Cap. 5,000 psi.  
Bottom Recorder Depth (Outside) 3,983 ft. Recorder Number 0230 Cap. 5,000 psi.  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor STP Drilling Company - Rig 1 Drill Collar Length 122 ft. I.D. 2 1/4 in.  
Mud Type Chemical Viscosity 46 Weight Pipe Length      ft. I.D.      in.  
Weight 9.3 Water Loss 9.2 cc. Drill Pipe Length 3,798 ft. I.D. 3 1/2 in.  
Chlorides 1,000 P.P.M. Test Tool Length 26 ft. Tool Size 3 1/2-IF in.  
Jars: Make Sterling Serial Number Not Run Anchor Length 14' perf. w/31' drill pipe Size 4 1/2-FH in.  
Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 5 ins. in 30 mins. No blow back during shut-in.  
2nd Open: Weak, surface blow increasing to 6 ins. in 45 mins. No blow back during shut-in.

Recovered 185 ft. of watery mud = 1.496730 bbls. (Grind out: 35%-water; 65%-mud) Chlorides: 24,000 Ppm PH: 7.0 RW: .30 @ 70°  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks Tool Sample Grind Out: 40%-water; 60%-mud w/oil specks

Time Set Packer(s) 7:55 A.M. Time Started off Bottom 10:55 A.M. Maximum Temperature 120°  
Initial Hydrostatic Pressure.....(A) 1905 P.S.I.  
Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 71 P.S.I.  
Initial Closed In Period.....Minutes 45 (D) 1289 P.S.I.  
Final Flow Period.....Minutes 45 (E) 73 P.S.I. to (F) 105 P.S.I.  
Final Closed In Period.....Minutes 60 (G) 1276 P.S.I.  
Final Hydrostatic Pressure.....(H) 1893 P.S.I.





**Hoisington, Kansas**

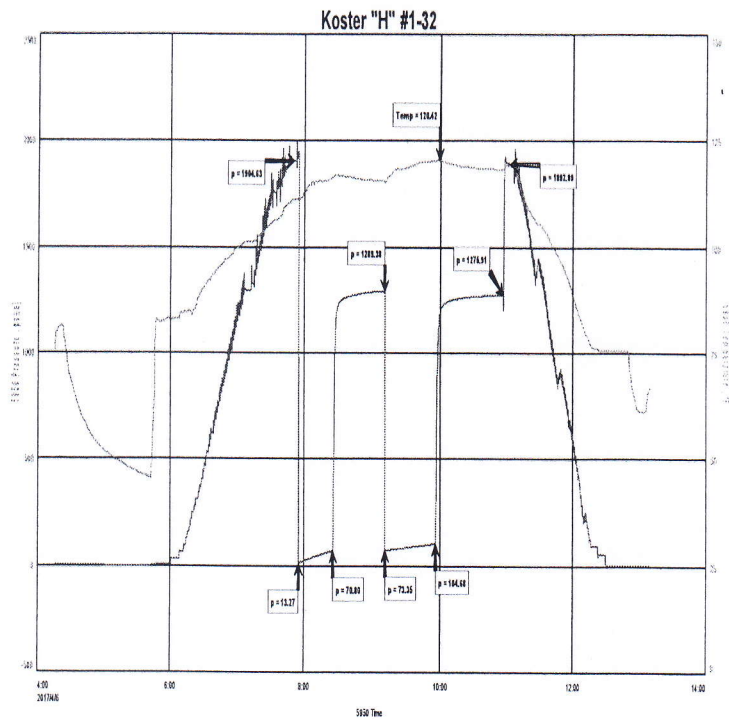
**Michael Carroll**  
 620-617-0368  
 carroll.dtlc@gmail.com

**General Information**

Company Name R. L. Investment, LLC

Contact	Randall Pfeifer
Well Name	Koster "H" #1-32
Unique Well ID	Dst #1 Lans "B&D" 3946-3991'
Surface Location	Sec 32-8s-29w Sheridan County
Field	Koster
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	R. L. Investment, LLC

Formation	Dst #1 Lans "B&D" 3946-3991'
Well Fluid Type	06 Water
Test Purpose	Initial Test
Start Test Date	2017/04/06
Start Test Time	04:15:00
Final Test Time	13:10:00
Job Number	P0174
Report Date	2017/04/06
Prepared By	Michael Carroll



**TEST RECOVERY**

Remarks Recovery: 185' WM 35% W 65% M

185' Total Fluid

Tool Sample: 40% W 60% M With Oil Specks

Chlorides: 24,000 PPM

PH: 7

RW: .3 @ 70 Degrees



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 KOSTER"H"#1-32DST#2

Company R. L. Investment, LLC Lease & Well No. Koster "H" No. 1-32  
 Elevation 2843 KB Formation Lansing/Kansas City "H" & "I" Effective Pay      Ft. Ticket No. P0175  
 Date 4-8-17 Sec. 32 Twp. 8S Range 29W County Sheridan State Kansas  
 Test Approved By Patrick J. Deenihan Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 4,046 ft. to 4,102 ft. Total Depth 4,102 ft.  
 Packer Depth 4,040 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 4,046 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,033 ft. Recorder Number 5950 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 4,083 ft. Recorder Number 5588 Cap. 6,000 psi.  
 Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor STP Drilling Company - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 47 Weight Pipe Length      ft I.D.      in.  
 Weight 9.3 Water Loss 7.6 cc. Drill Pipe Length 3,898 ft I.D. 3 1/2 in.  
 Chlorides 1,000 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 25' perf. w/31' drill pipe Size 4 1/2-FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: 1/4 in. blow increasing to 4 ins. in 30 mins. No blow back during shut-in.  
 2nd Open: Weak, surface blow increasing to 3 1/2 ins. in 45 mins. No blow back during shut-in.

Recovered 75 ft. of gas in pipe  
 Recovered 25 ft. of clean oil = .123000 bbls. (Gravity: 33 @ 60°)  
 Recovered 50 ft. of slightly gas cut, oil cut, watery mud = .246000 bbls. (Grind out: 2%-gas; 20%-oil; 30%-water; 48%-mud)  
 Recovered 75 ft. of TOTAL FLUID = .369000 bbls. Chlorides: 22,000 Ppm PH: 9.0 RW: .35 @ 65°  
 Recovered      ft. of       
 Recovered      ft. of     

Remarks Tool Sample Grind Out: 30%-oil; 10%-water; 60%-mud

Time Set Packer(s) 3:55 A.M. Time Started off Bottom 6:55 A.M. Maximum Temperature 119°  
 Initial Hydrostatic Pressure.....(A) 1973 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 38 P.S.I. to (C) 52 P.S.I.  
 Initial Closed In Period.....Minutes 45 (D) 885 P.S.I.  
 Final Flow Period.....Minutes 45 (E) 59 P.S.I. to (F) 70 P.S.I.  
 Final Closed In Period.....Minutes 60 (G) 931 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1960 P.S.I.





**Hoisington, Kansas**

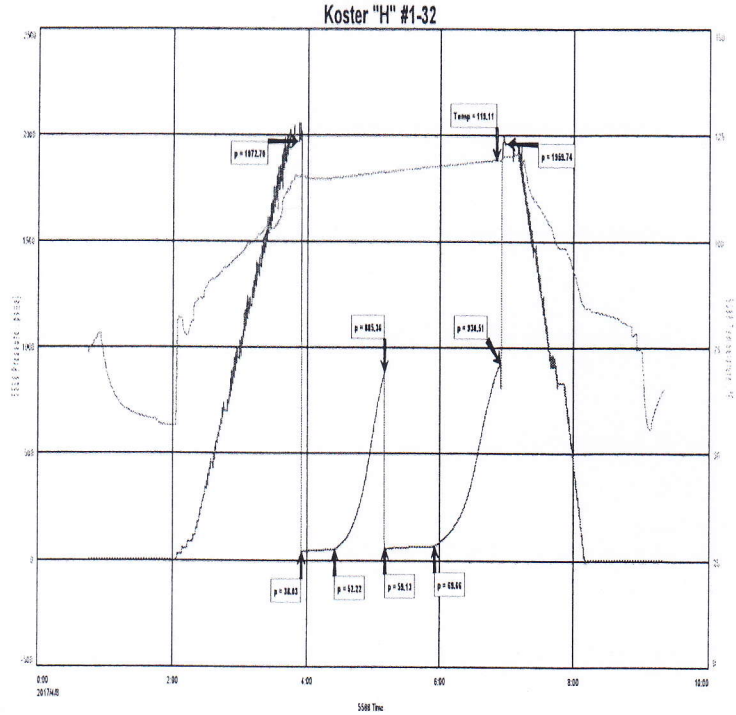
**Michael Carroll**  
 620-617-0368  
 carroll.dtlc@gmail.com

**General Information**

Company Name R. L. Investment, LLC

Contact	Randall Pfeifer
Well Name	Koster "H" #1-32
Unique Well ID	Dst #2 Lans/KC "H&I" 4046-4102'
Surface Location	Sec 32-8s-29w Sheridan County
Field	Koster
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	R. L. Investment, LLC

Formation	Dst #2 Lans/KC "H&I" 4046-4102'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/04/08
Start Test Time	00:45:00
Final Test Time	09:15:00
Job Number	P0175
Report Date	2017/04/08
Prepared By	Michael Carroll



**TEST RECOVERY**

Remarks Recovery: 75' Gas In Pipe  
 25' Clean Oil Gravity: 33 @ 60 Degrees  
 50' SLGC,OC,WM 2% G 20% O 30% W 48% M  
 75' Total Fluid  
 Tool Sample: 30% O 10% W 60% M  
 Chlorides: 22,000 PPM  
 PH: 9  
 RW: .35 @ 65 Degrees



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 KOSTER"H"#1-32DST#3

Company R. L. Investment, LLC Lease & Well No. Koster "H" No. 1-32  
 Elevation 2843 KB Formation Lansing/Kansas City "J" Effective Pay \_\_\_\_\_ Ft. Ticket No. P0176  
 Date 4-8-17 Sec. 32 Twp. 8S Range 29W County Sheridan State Kansas  
 Test Approved By Patrick J. Deenihan Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 4,098 ft. to 4,132 ft. Total Depth 4,132 ft.  
 Packer Depth 4,092 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth 4,098 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_ ft.

Top Recorder Depth (Inside) 4,085 ft. Recorder Number 5950 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 4,102 ft. Recorder Number 5588 Cap. 6,000 psi.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ psi.

Drilling Contractor STP Drilling Company - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 52 Weight Pipe Length \_\_\_\_\_ ft I.D. \_\_\_\_\_ in.  
 Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,950 ft I.D. 3 1/2 in.  
 Chlorides 750 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 34 ft. Size 4 1/2-FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: 1/4 in. blow increasing. Off bottom of bucket in 9 mins. No blow back during shut-in.

2nd Open: 2 in. blow increasing. Off bottom of bucket in 1 min. 40 secs. No blow back during shut-in.

Recovered 3,858 ft. of gas in pipe  
 Recovered 1 ft. of clean oil = .014230 bbls.  
 Recovered 93 ft. of oily mud = 1.323390 bbls. (Grind out: 33%-oil; 67%-mud)  
 Recovered 122 ft. of water cut, muddy oil = .600240 bbls. (Grind out: 60%-oil; 10%-water; 30%-mud)  
 Recovered 216 ft. of TOTAL FLUID = 1.937860 bbls.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Remarks Tool Sample Grind Out: 50%-oil; 15%-water; 35%-mud

Time Set Packer(s) 10:07 P.M. Time Started off Bottom 1:07 A.M. Maximum Temperature 121°  
 Initial Hydrostatic Pressure.....(A) 1985 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 13 P.S.I. to (C) 78 P.S.I.  
 Initial Closed In Period.....Minutes 45 (D) 112 P.S.I.  
 Final Flow Period.....Minutes 45 (E) 65 P.S.I. to (F) 107 P.S.I.  
 Final Closed In Period.....Minutes 60 (G) 108 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1983 P.S.I.





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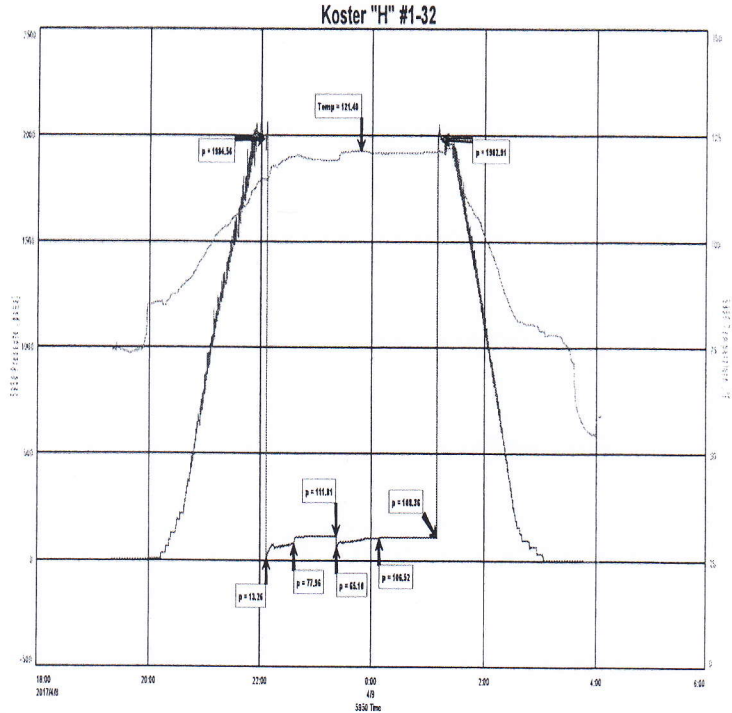
**Hoisington, Kansas**

**General Information**

Company Name R. L. Investment, LLC

Contact	Randall Pfeifer
Well Name	Koster "H" #1-32
Unique Well ID	Dst #3 Lans/KC "J" 4098-4132'
Surface Location	Sec 32-8s-29w Sheridan County
Field	Koster
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	R. L. Investment, LLC

Formation	Dst #3 Lans/KC "J" 4098-4132'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/04/08
Start Test Time	19:20:00
Final Test Time	04:06:00
Job Number	P0176
Report Date	2017/04/08
Prepared By	Michael Carroll



**TEST RECOVERY**

Remarks Recovery:	3858'	Gas In Pipe
	1'	Clean Oil
	93'	OM 33% O 67% M
	122'	WCMO 60% O 10% W 30% M
	216'	Total Fluid
Tool Sample:	50% O 15% W 35% M	



**DIAMOND TESTING, LLC**  
 P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
 (620) 653-7550 • (800) 542-7313  
 KOSTER"H"#1-32DST#4

Company R. L. Investment, LLC Lease & Well No. Koster "H" No. 1-32  
 Elevation 2843 KB Formation Lansing/Kansas City "K" Effective Pay      Ft. Ticket No. P0177  
 Date 4-9-17 Sec. 32 Twp. 8S Range 29W County Sheridan State Kansas  
 Test Approved By Patrick J. Deenihan Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 4,146 ft. to 4,167 ft. Total Depth 4,167 ft.  
 Packer Depth 4,140 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Packer Depth 4,146 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
 Depth of Selective Zone Set      ft.

Top Recorder Depth (Inside) 4,133 ft. Recorder Number 5950 Cap. 5,000 psi.  
 Bottom Recorder Depth (Outside) 4,149 ft. Recorder Number 5588 Cap. 6,000 psi.  
 Below Straddle Recorder Depth      ft. Recorder Number      Cap.      psi.

Drilling Contractor STP Drilling Company - Rig 1 Drill Collar Length 122 ft I.D. 2 1/4 in.  
 Mud Type Chemical Viscosity 52 Weight Pipe Length      ft I.D.      in.  
 Weight 9.2 Water Loss 7.6 cc. Drill Pipe Length 3,998 ft I.D. 3 1/2 in.  
 Chlorides 750 P.P.M. Test Tool Length 26 ft Tool Size 3 1/2-IF in.  
 Jars: Make Sterling Serial Number Not Run Anchor Length 21 ft. Size 4 1/2-FH in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 1 in. Bottom Choke Size 5/8 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2-XH in.

Blow: 1st Open: Weak, surface blow increasing to 1/4 in. in 30 mins. No blow back during shut-in.  
 2nd Open: No blow. No build. No blow back during shut-in.

Recovered 1 ft. of slightly oil cut mud = .004920 bbls. (Grind out: 8%-oil; 92%-mud)  
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Recovered      ft. of       
 Remarks Tool Sample Grind Out: 12%-oil; 88%-mud

Time Set Packer(s) 4:25 P.M. Time Started off Bottom 6:25 P.M. Maximum Temperature 116°  
 Initial Hydrostatic Pressure.....(A) 2004 P.S.I.  
 Initial Flow Period.....Minutes 30 (B) 11 P.S.I. to (C) 12 P.S.I.  
 Initial Closed In Period.....Minutes 30 (D) 16 P.S.I.  
 Final Flow Period.....Minutes 30 (E) 15 P.S.I. to (F) 12 P.S.I.  
 Final Closed In Period.....Minutes 30 (G) 14 P.S.I.  
 Final Hydrostatic Pressure.....(H) 1991 P.S.I.



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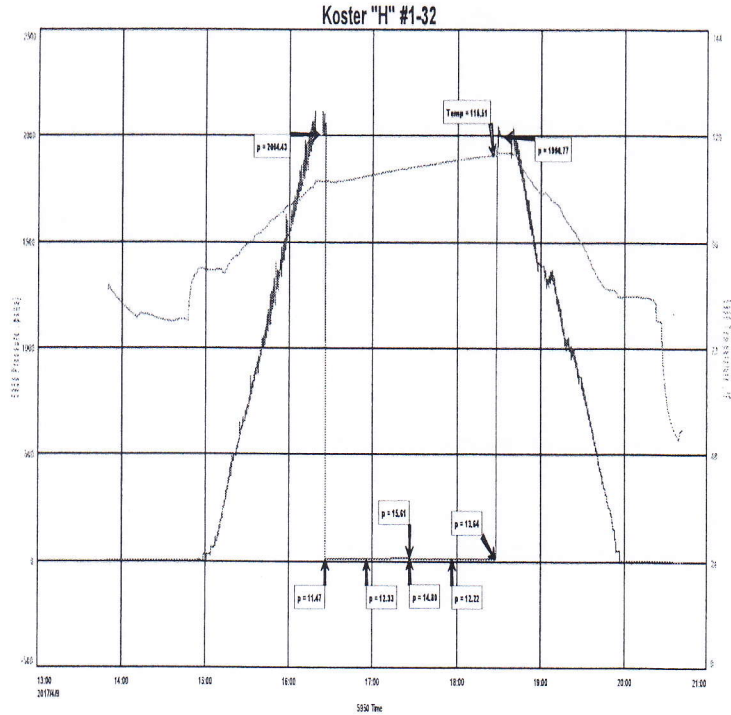
**Hoisington, Kansas**

**General Information**

Company Name R. L. Investment, LLC

Contact	Randall Pfeifer
Well Name	Koster "H" #1-32
Unique Well ID	Dst #4 Lans/KC "K" 4146-4167'
Surface Location	Sec 32-8s-29w Sheridan County
Field	Koster
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	R. L. Investment, LLC

Formation	Dst #4 Lans/KC "K" 4146-4167'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/04/09
Start Test Time	13:50:00
Final Test Time	20:42:00
Job Number	P0177
Report Date	2017/04/09
Prepared By	Michael Carroll



**TEST RECOVERY**

Remarks Recovery: 1' OCM 8% O 92% M  
 1' Total Fluid  
 Tool Sample: 12% O 88% M