



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1266000  
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: \_\_\_\_\_



1266000

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  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				

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	L. D. Drilling, Inc.
Well Name	SKOLAUT 1-14
Doc ID	1266000

Tops

Name	Top	Datum
ANHYDRITE	857	+1061
BASE ANHYDRITE	882	+1036
TOPEKA	2849	-931
HEEBNER	3087	-1169
BROWN LIME	3160	-1242
LANSING	3168	-1250
BASE KANSAS CITY	3374	-1456
ARBUCKLE	3408	-1490





# BASIC

energy services, L.P.

## TREATMENT REPORT

Customer <b>LD Drilling, Inc.</b>	Lease No.	Date <b>9-3-2015</b>
Lease <b>SKOLPUT</b>	Well # <b>1-14</b>	
Field Order # <b>12224</b>	Station <b>Pratt, KS</b>	Casing <b>8 5/8</b>
		Depth <b>913</b>
Type Job <b>CNW/8 5/8 Surface</b>	Formation <b>T0-913'</b>	Legal Description <b>14-185-140</b>
		County <b>Barton</b>
		State <b>KS</b>

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP
<b>8 5/8</b>							
Depth <b>913</b>	Depth	From	To	Pre Pad	Max		5 Min.
Volume <b>58</b>	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth <b>869</b>	Packer Depth	From	To	Flush <b>Freshwater</b>	Gas Volume		Total Load

Customer Representative <b>Doug</b>	Station Manager <b>Kevin Goraley</b>	Treater <b>Derin Frsnickin</b>
Service Units <b>9294 78982 86775 19959 21010</b>		
Driver Names <b>Derin McGuire McGuire Whittey Whittey</b>		

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
<b>11:30pm</b>					on location / safety meetings 912' 8 5/8 casing 200 SK 12-con Blend common, 3% CC 1/4" cell floe, 12.0 pps, 2.47 vells, 14.99 water 200 SK common, 2% CC, 1/4" cell floe 15.6 pps, 1.20 vells, 5.23 water
<b>3:00pm</b>	<b>200</b>		<b>3</b>	<b>5</b>	Pump 3 bbbs water
	<b>200</b>		<b>88</b>	<b>5</b>	mix 200 SK 12-con
	<b>200</b>		<b>43</b>	<b>5</b>	mix 200 SK common
					Shut down
					Release Plus
	<b>100</b>			<b>5</b>	Start displacement
	<b>300</b>			<b>3</b>	slow Rate
	<b>600</b>			<b>3</b>	shutin
					Cement die circulate
					Job complete / Derin & crew Thank you!!



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 11890 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB <b>9-3-15</b> DISTRICT _____		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.:								
CUSTOMER <b>LD PRODDING, INC</b>		LEASE <b>SHULER 17B</b>		WELL NO. <b>1</b>						
ADDRESS _____		COUNTY <b>SHERIDAN</b> STATE <b>KS</b>								
CITY _____ STATE _____		SERVICE CREW <b>KG, BECK, MESTA</b>								
AUTHORIZED BY _____		JOB TYPE: <b>CNW - LONGSTRONG</b>								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	PM	TIME
<b>19919</b>	<b>3/4</b>	<b>-L1B</b>					<b>9-2</b>			<b>1600</b>
						ARRIVED AT JOB	<b>9-2</b>			<b>2230</b>
<b>19808</b>	<b>1/4</b>	<b>-L1B</b>				START OPERATION	<b>9-3</b>			<b>0130</b>
						FINISH OPERATION	<b>1</b>			<b>0215</b>
						RELEASED				<b>0300</b>
						MILES FROM STATION TO WELL				<b>218</b>

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 those 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 Basic Energy Services LP.

SIGNED: **LD DAVIS BY KAREN COONEY**  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AAZ CEMENT	SIC	175		2975-
CP103	60/40 PDZ	SIC	30		360-
CC102	CELFLAKE	lb.	44		162.80
CC111	SIANT	lb.	954		477-
CC113	24PSUM	lb.	825		61875
CC129	FUA-322	lb.	132		990-
CC201	C. OLSONITE	lb.	1050		703.50
CF607	5/2 LATCH DOWN PLUG	EA	1		400-
CF106	6" PACKER SHOES	EA	1		3700-
CF1651	5/2 TURBOLIZER	EA	6		550-
CF194	5/2 BASKET	EA	1		290-
CC151	MUD PUSHER	gal	1000		1500-
E100	PICKUP MILE	mi	100		450-
E101	TRUCK MILE	mi	200		1500-
E113	BUILD DELEVRY	TM	955		2387.50
CE205	DEPTH CHARGE 4001-5000'	EA	1		2520-
CE240	BLENDED CHARGE	SK	205		287-
5003	STEEL SUPERUBSOR	EA	1		175-
CE504	PLUG CONTAINER	EA	1		250-

SUB TOTAL **20,296.35**

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$
MATERIALS	%TAX ON \$

TOTAL **13,192.76**

SERVICE REPRESENTATIVE **[Signature]**

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: **LD DAVIS BY KAREN COONEY**  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_

Customer	LID DRILLING, INC		Lease No.			Date	9-3-15	
Lease	SHULER 12B		Well #	1				
Field/Order #	Station	Casing	Depth	County	State			
11890	PRATT, KS	5 1/2	4253	SITKEMAN	KS			
Type Job	ONW - LOWESTRING		Formation	TD-4555		Legal Description	17-6-29	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2							5 Min.	
4253	Depth	From	To	Pre Pad	Max			
	Volume	From	To	Pad	Min		10 Min.	
	Max Press	From	To	Frac	Avg		15 Min.	
	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
4240	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative	LID		Station Manager	KEVIN		Treater	CONLEY	
Service Units	83353	3811-19919	19827-19808					
Driver Names	KG	D. BECK	R. MESTA					

Time	Casing Pressure	Tubing Pressure	Bbbs. Pumped	Rate	Service Log
2230					ON LOCATION 9/2/15
					RUN 109 JTS 5 1/2 CSG = 4256
					RUN PACKER SHOE, BASKET
					ON 1ST JOINT. CENTRALIZER ON
					2-4-6-8-10-12
					BREAK CORC. AT 4253
0030	1000				DROP BULK - SET P/R SHOE - 4253
0130	200		24	6	PUMP 24 bbl MUD FLUSH
	200		5	6	PUMP 5 bbl H <sub>2</sub> O
	100		48	6	PUMP 175 SK IMAZ CEMENT
					WASH LINE CLEAN
					DROP LATCH DOWN PLUG
	0		0	7	START DESP.
	200		65	7	LEFT CEMENT
	700		95	2 1/2	SLOW RATE
0215	1500		103.5	2 1/2	PLUG DOWN - HOLD
					PLUG RAT HOLE - 30SK 60/40 P/R
0300					JOB COMPLETE - KEVIN



TD-4555'  
5 1/2 - 4253'



WW DRILLING, LLC

PO Box 307 WaKeeney, KS 67672

Office: 785-743-6774 Fax: 785-743-6752

PIPE & TUBING TALLY BOOK

DATE 4-2-15 COMPANY LD LEASE Shooter 17B WELL NO. 1

DATE	COMPANY	LEASE	WELL NO.
SIZE <u>5 1/2</u>	WEIGHT	MAKE	GRADE
THREAD	COLLAR LENGTH	CONDITION	TRANSFER NOS.
			OVERALL TALLY <input type="checkbox"/>
			THREADS OFF TALLY <input type="checkbox"/>

Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd		
1	42	44	21	42	55	41	37	06	61	37	24	81	37	41	101	43	55	121			141				
2	42	65	22	37	08	42	36	56	62	43	58	82	40	78	102	41	66	122			142				
3	42	54	23	37	07	43	37	02	63	40	19	83	43	55	103	40	65	123			143				
4	36	65	24	36	40	44	36	95	64	43	75	84	43	71	104	41	09	124			144				
5	36	31	25	42	58	45	37	10	65	37	03	85	43	58	105	40	56	125			145				
6	37	01	26	36	94	46	37	09	66	38	24	86	40	56	106	40	65	126			146				
7	37	10	27	36	71	47	35	78	67	40	02	87	43	54	107	40	19	127			147				
8	36	81	28	42	78	48	37	05	68	37	04	88	42	78	108	43	64	128	OUT		148				
9	37	07	29	36	34	49	37	06	69	43	75	89	43	61	109	13	38	129			149				
10	37	03	30	37	05	50	43	58	70	43	71	90	39	17	110	14	15	130	SITE		150				
11	37	01	31	37	04	51	40	65	71	37	10	91	43	59	111			131			151				
12	35	77	32	41	86	52	38	73	72	39	99	92	40	53	112			132			152				
13	42	58	33	42	78	53	42	95	73	40	08	93	37	09	113			133			153				
14	37	01	34	36	74	54	38	93	74	37	09	94	36	78	114			134			154				
15	35	79	35	37	08	55	40	63	75	40	56	95	36	79	115			135			155				
16	41	93	36	42	60	56	39	37	76	43	72	96	37	04	116			136			156				
17	42	56	37	42	73	57	41	42	77	36	90	97	37	07	117			137			157				
18	37	00	38	36	09	58	43	71	78	40	18	98	41	01	118			138			158				
19	35	32	39	36	47	59	38	19	79	41	04	99	35	46	119			139			159				
20	41	95	40	37	03	60	43	65	80	43	57	100	37	15	120			140			160				
772		83		775		92		783		51		865		-		801		22		359		41		TOTALS	

4297.89  
- 43.64  
4254.25  
+ 2.42  
4256.67

Drillers TD 4555 Loggers TD \_\_\_\_\_

No. Jts. Run \_\_\_\_\_ Size \_\_\_\_\_ Wt. \_\_\_\_\_ Tested \_\_\_\_\_

Cent @ \_\_\_\_\_

Basket @ \_\_\_\_\_ D. V. Tool @ \_\_\_\_\_ Port Collar @ \_\_\_\_\_

Cemented by \_\_\_\_\_ SKs. Type Cement \_\_\_\_\_

Flush \_\_\_\_\_

Jts. To Be Left Out \_\_\_\_\_

Shoe Jt. \_\_\_\_\_ Pipe Set @ \_\_\_\_\_ Off Bottom \_\_\_\_\_

Plug Down \_\_\_\_\_ AM PM / / Rig Release @ \_\_\_\_\_ AM PM / /

Job by \_\_\_\_\_

Pipe Left On Location \_\_\_\_\_ Jts. Talley \_\_\_\_\_ Threads On \_\_\_\_\_





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Skolaut 1-14 dst 1

TIME ON: 12:26  
TIME OFF: 17:49

Company L.D Drilling Inc Lease & Well No. Skolaut 1-14 dst 1  
Contractor Royal Drilling Charge to L.D Drilling Inc  
Elevation 1918-KB Formation Lan A-G Effective Pay \_\_\_\_\_ Ft. Ticket No. RR194  
Date Sep-6-2015 Sec. 14 Twp. 18 S Range 14 W County Barton State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 1 Interval Tested from 3175 ft. to 3247 ft. Total Depth 3247 ft.  
Packer Depth 3170 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3175 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3163 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3212 ft. Recorder Number 5954 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 42 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.3 Water Loss 9.6 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 5000 P.P.M. Drill Pipe Length 3148 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SJ Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 72A(41P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 (XH) in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB (Blow Died in 20 mins) NOBB  
2nd Open: No Blow NOBB

Recovered 10 ft. of M 100% M  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: Tool Sample: <u>1% O</u> <u>99% M</u>	Insurance
	Total

Time Set Packer(s) 2:17 PM A.M. P.M. Time Started Off Bottom 4:17 PM A.M. P.M. Maximum Temperature 104

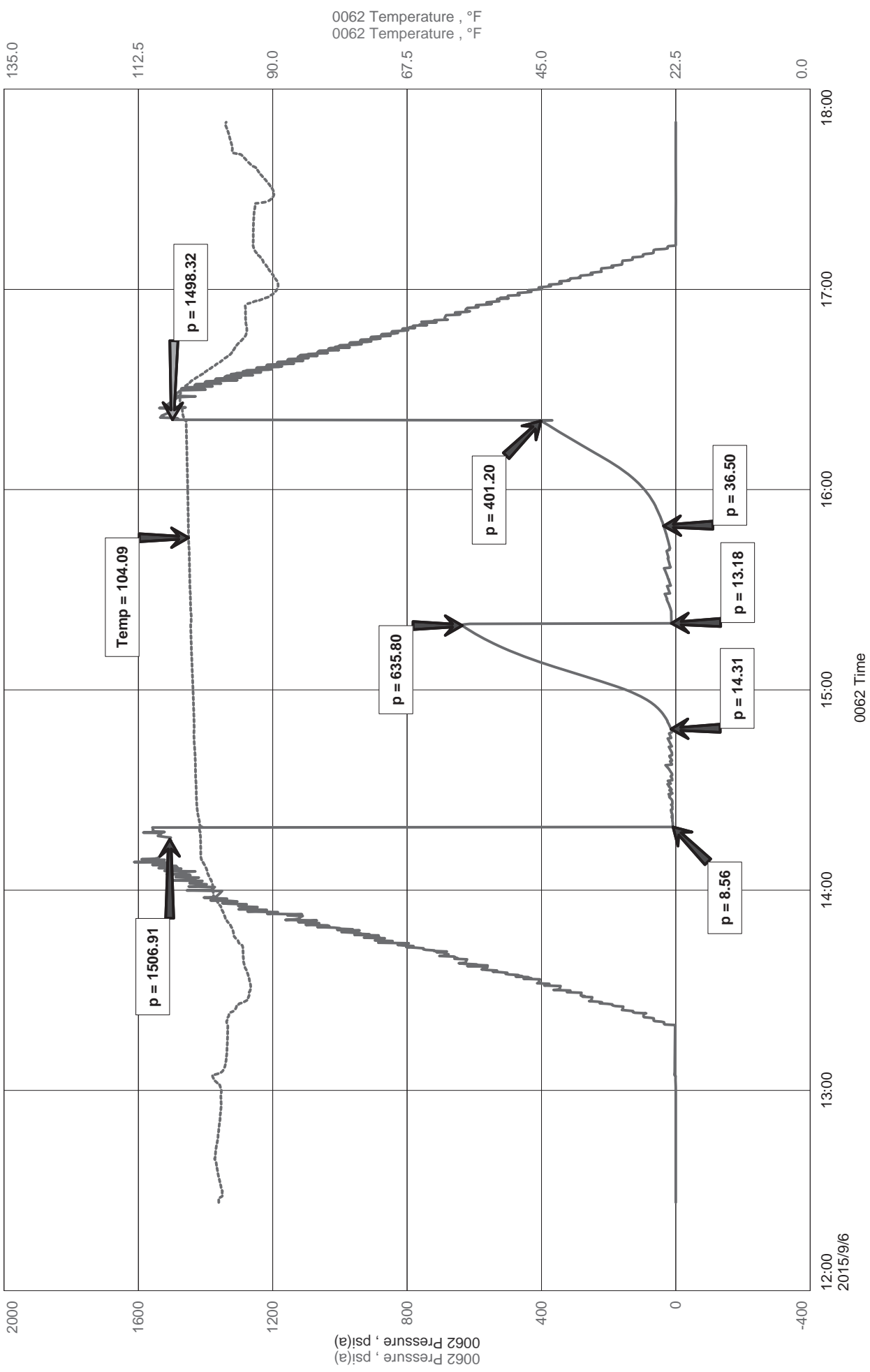
Initial Hydrostatic Pressure..... (A) 1507 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 14 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 636 P.S.I.  
Final Flow Period..... Minutes 30 (E) 13 P.S.I. to (F) 37 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 401 P.S.I.  
Final Hydrostatic Pressure..... (H) 1498 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

L.D Drilling Inc  
Dst 1 Lan A-G (3175-3247)  
Start Test Date: 2015/09/06  
Final Test Date: 2015/09/06

Skolaut 1-14  
Formation: Dst 1 Lan A-G (3175-3247)  
Pool: Infield  
Job Number: RR194

# Skolaut 1-14





Diamond Testing LLC  
 P.O. Box 157  
 Hoisington KS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

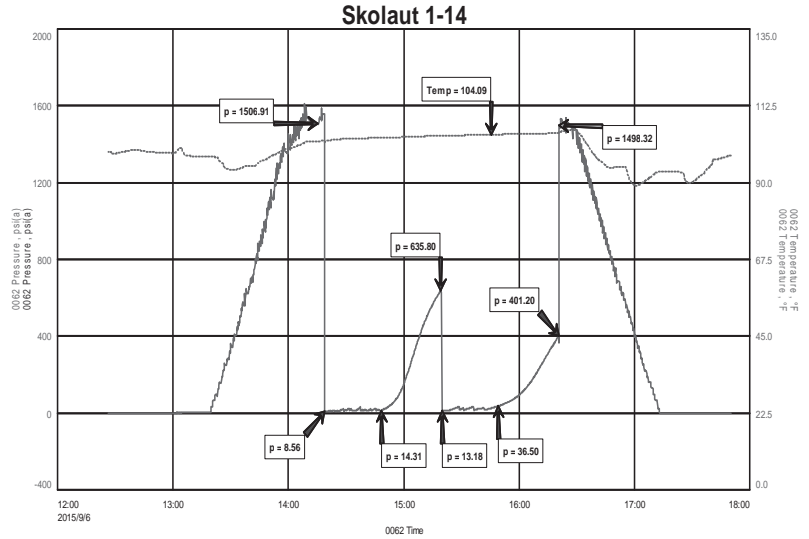
# Wellsite Report

## General Information

Company Name	L.D Drilling Inc
Contact	L.D Davis
Well Operator	L.D Drilling Inc
Well Name	Skolaut 1-14
Surface Location	Sec: 14-18s-14w (Barton County)
Field	Laud
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

## Test Information

Job Number	RR194
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 1 Lan A-G (3175-3247)
Start Test Date	2015/09/06 YYYY/MM/DD
Start Test Time	12:26:00 HH:mm:ss
Final Test Date	2015/09/06 YYYY/MM/DD
Final Test Time	17:49:00 HH:mm:ss



## Test Results

### Recovery:

10' M 100% M

Tool Sample: 1% O 99% M





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Skolaut 1-14 dst 2

TIME ON: 06:11  
TIME OFF: 11:55

Company L.D Drilling Inc Lease & Well No. Skolaut 1-14 dst 1  
Contractor Royal Drilling Charge to L.D Drilling Inc  
Elevation 1918-KB Formation \_\_\_\_\_ L/KC H-J Effective Pay \_\_\_\_\_ Ft. Ticket No. RR195  
Date Sep-7-2015 Sec. 14 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 14 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 2 Interval Tested from 3298 ft. to 3370 ft. Total Depth 3370 ft.  
Packer Depth 3293 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3298 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3286 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3335 ft. Recorder Number 5954 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 3271 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SJ Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 72A(41P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 (XH) in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB (Built to 1/4" in 30mins) NOBB  
2nd Open: No Blow NOBB

Recovered 3 ft. of M 100% M  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample: 1% O 99% M Few Oil Specs</u>	Insurance
	Total

Time Set Packer(s) 8:19 A.M. P.M. Time Started Off Bottom 10:19 A.M. P.M. Maximum Temperature 105

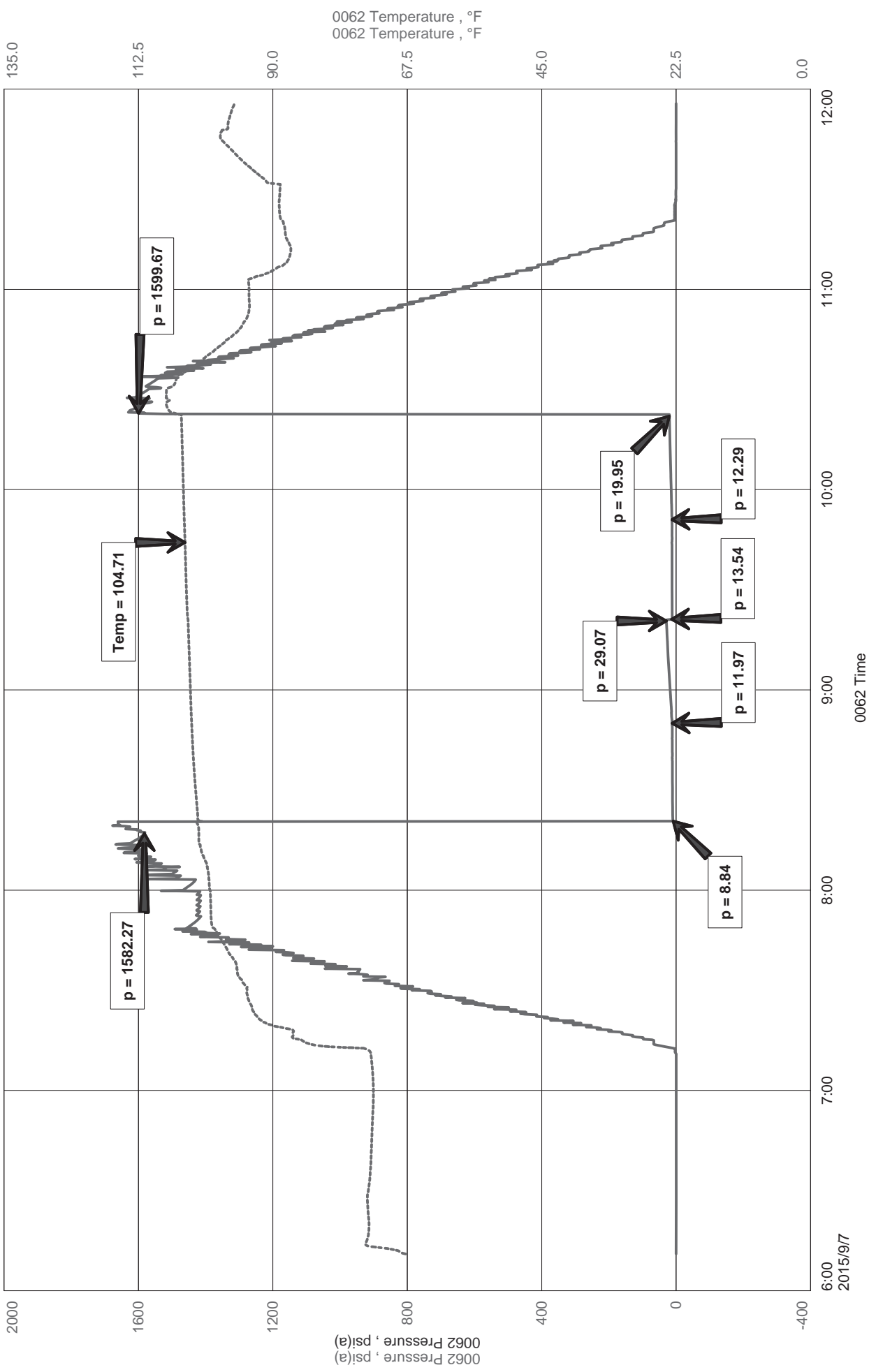
Initial Hydrostatic Pressure..... (A) 1582 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 12 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 29 P.S.I.  
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 12 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 20 P.S.I.  
Final Hydrostatic Pressure..... (H) 1600 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

L.D Drilling  
Dst 2 Lan/KC (3298-3370)  
Start Test Date: 2015/09/07  
Final Test Date: 2015/09/07

Skolaut 1-14  
Formation: Dst 2 Lan/KC (3298-3370)  
Pool: Infield  
Job Number: RR195

# Skolaut 1-14





Diamond Testing LLC  
 P.O. Box 157  
 HoisingtonKS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

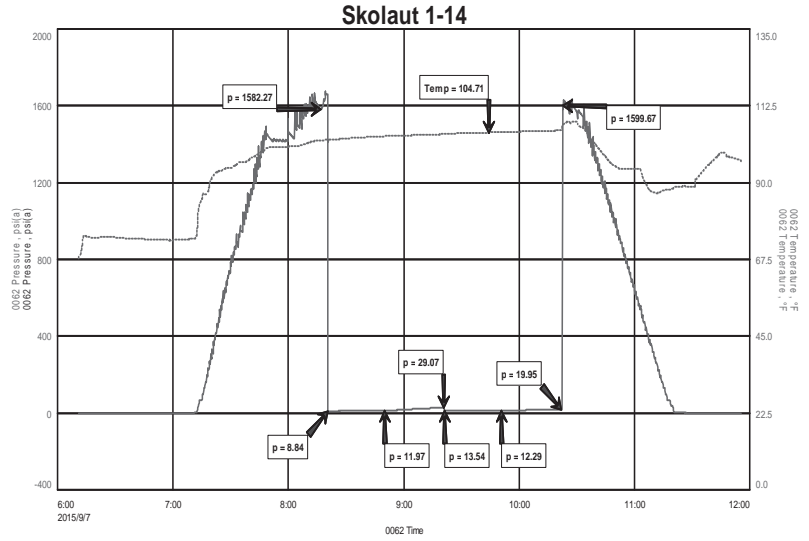
# Wellsite Report

## General Information

Company Name	L.D Drilling
Contact	L.D Davis
Well Operator	L.D Drilling Inc
Well Name	Skolaut 1-14
Surface Location	Sec: 14-18s-14w (Barton County)
Field	Laud
Well Type	Vertical
Pool	Infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

## Test Information

Job Number	RR195
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 2 Lan/KC (3298-3370)
Start Test Date	2015/09/07 YYYY/MM/DD
Start Test Time	06:11:00 HH:mm:ss
Final Test Date	2015/09/07 YYYY/MM/DD
Final Test Time	11:55:00 HH:mm:ss



## Test Results

Recovery:

3' M 100% M

Tool Sample: 1% O 99% M Few Oil Specs





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: Skolaut 1-14 dst 3

TIME ON: 17:34 Sep7  
TIME OFF: 02:29 Sep 8

Company L.D Drilling Inc Lease & Well No. Skolaut 1-14  
Contractor Royal Drilling Charge to L.D Drilling Inc  
Elevation 1918-KB Formation \_\_\_\_\_ Arbuckle Effective Pay \_\_\_\_\_ Ft. Ticket No. RR196  
Date Sep-7-2015 Sec. 14 Twp. \_\_\_\_\_ 18 S Range \_\_\_\_\_ 14 W County \_\_\_\_\_ Barton State KANSAS  
Test Approved By Kim Shoemaker Diamond Representative RICKY RAY

Formation Test No. 3 Interval Tested from 3368 ft. to 3416 ft. Total Depth 3416 ft.  
Packer Depth 3363 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth 3368 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 3356 ft. Recorder Number 0062 Cap. 5000 P.S.I.  
Bottom Recorder Depth (Outside) 3405 ft. Recorder Number 5954 Cap. 6000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type Chem Viscosity 46 Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight 9.4 Water Loss 10.4 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides 6000 P.P.M. Drill Pipe Length 3341 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SJ Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NA Reversed Out NA Anchor Length 48A(16P) ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 (XH) in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1' Blow (BOB in 25 secs) 12" BB  
2nd Open: 2" Blow (BOB in 10 secs) Gas At Surface in 1 1/2 mins NOBB

Recovered 417 ft. of GIP  
Recovered 2924 ft. of O 100% O 40 Gravity @ 60 Deg  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

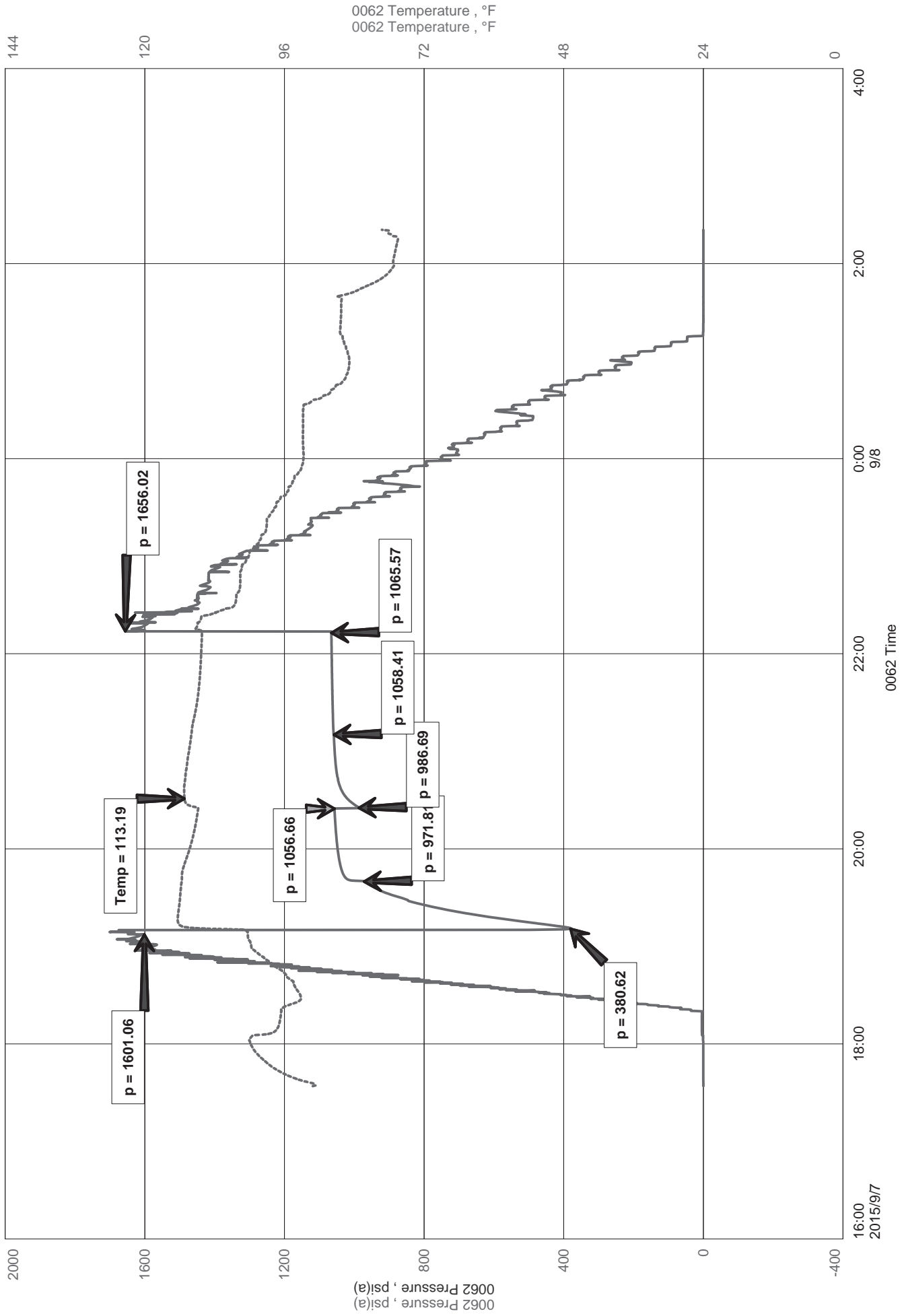
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>Tool Sample: 100% O</u>	Insurance
	Total

Time Set Packer(s) 7:19 PM A.M. P.M. Time Started Off Bottom 10:19 PM A.M. P.M. Maximum Temperature 113

Initial Hydrostatic Pressure..... (A) 1601 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 381 P.S.I. to (C) 972 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1057 P.S.I.  
Final Flow Period..... Minutes 45 (E) 987 P.S.I. to (F) 1058 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1066 P.S.I.  
Final Hydrostatic Pressure..... (H) 1656 P.S.I.

Diamond Testing shall not be liable for damages of any kind to 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 statement or opinion concerning the result 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.

# Skolaut 1-14





Diamond Testing LLC  
P.O. Box 157  
HoisingtonKS 67544

**Ricky Ray - Tester**  
**(620) 617-7261**

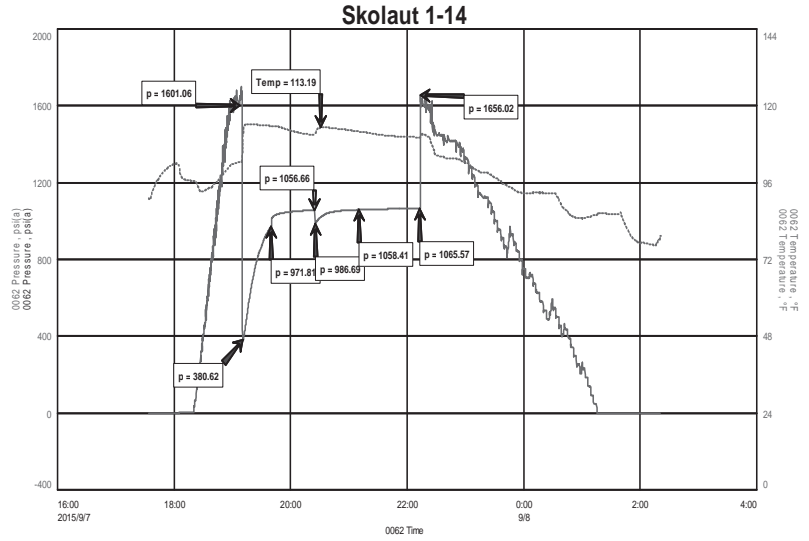
# Wellsite Report

## General Information

Company Name	L.D Drilling Inc
Contact	L.D Davis
Well Operator	L.D Drilling Inc
Well Name	Skolaut 1-14
Surface Location	Sec: 14-18s-14w (Barton County)
Field	Laud
Well Type	Vertical
Pool	infield
Test Purpose (AEUB)	Initial Test
Qualified By	Kim Shoemaker
Gauge Name	0062

## Test Information

Job Number	RR196
Test Type	Drill Stem Test
Well Fluid Type	01 Oil
Formation	Dst 3 Arbuckel (3368-3416)
Start Test Date	2015/09/07 YYYY/MM/DD
Start Test Time	17:34:00 HH:mm:ss
Final Test Date	2015/09/08 YYYY/MM/DD
Final Test Time	02:29:00 HH:mm:ss



## Test Results

### Recovery:

417'	GIP		
2924'	O	100% O	40 Gravity @ 60 Deg

Tool Sample: 100% O





**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

14-185-14w

FIELD SERVICE TICKET  
1718 12709 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

DATE OF JOB: 9-8-15	DISTRICT	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: LD Drilling, inc.		LEASE: SK01947	WELL NO. 1-19						
ADDRESS		COUNTY: Barton	STATE: KS						
CITY	STATE	SERVICE CREW: MATTHEW, McGINN, ERNST							
AUTHORIZED BY	JOB TYPE: CNW 5 1/2 LONG STRINGS								
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM/PM	TIME
19905	.25						9-8-15		2:30
						ARRIVED AT JOB			9:00
						START OPERATION			12:14
19860	.25					FINISH OPERATION			12:55
						RELEASED			1:30
						MILES FROM STATION TO WELL			65

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 those 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 Basic Energy Services L.P.

SIGNED: XL.D. Davis By D Scott  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP 105	AA2 cmf	SK	125		2,125 00
CP 103	60/40 P02	SK	50		600 00
CC 102	Cellofloc	lb	32		11.8 40
CC 111	Salt	lb	683		341 50
CC 113	SYPsum	lb	590		442 50
CC 129	FIA 322	lb	95		712 50
CC 201	Silicate	lb	754		505 18
CF 607	Latex down plug + barrier 5 1/2	ea	1		400 00
CF 1051	PAK PACK show 5 1/2	ea	1		2,800 00
CF 1651	Turbolizer 5 1/2	ea	6		660 00
CF 1901	basin 5 1/2	ea	1		290 00
CC 151	Mud flush	gal	1,000		1,500 04
E 100	P.H. Meter	mi	65		292 50
E 101	heavy eq. meter	mi	130		975 00
E 113	Prof + Bulk Del.	FM	520		1,300 00
CC 204	Depth charge 3000-4000'	4b	1		2,160 00
CC 240	Blend + mix charge	SK	175		245 00
CC 504	Plug container	Job	1		250 00
5003	Supervisor	ea	1		175 00
SUB TOTAL					15,892 58

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		7,946 29

SERVICE REPRESENTATIVE: <u>Mike Mattal</u>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>XL.D. Davis By D Scott</u> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
--	--

FIELD SERVICE ORDER NO.

Customer LD Drilling inc	Lease No.	Date 9-8-15
Lease Skolout	Well # 1-14	
Field Order # 12709	Station P.9TT	Casing 5 1/2
	Depth	County BAITON
Type Job C NW 5 1/2 long string	Formation	State KS
		Legal Description 14-18S-14W

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 7/8				2m, 125 SK AA-2				
Depth 3416	Depth	From	To	Pre Pad	Max		5 Min.	
Volume 81.2	Volume	From	To	Pad	Min		10 Min.	
Max Press 1500	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3315	Packer Depth	From	To	Flush	Gas Volume		Total Load	

Customer Representative LD DAVIS	Station Manager Kevin Gordiny	Treater Mike Mattal
-------------------------------------	----------------------------------	------------------------

Service Units	37586	77686	19905	19903	19860				
Driver Names	Mattal	McGraw		Ernst					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
9:00 AM					ON location, SAFETY meeting
10:15					Run 5 1/2 casing with PACKER shoe
					twistlocks on # 1, 3, 5, 7, 9, 11
					BASKET on # 1
11:30					Casing on bottom
11:35					Hook to casing / BIANCHI W. Rig
12:14	1,700				Set PKR shoe
12:15	300		3	5.5	Pump 3 bbl water
12:16	300		24	5.5	Pump 24 bbl mud flush
12:19	300		3	5.5	PUMP 3 bbl water
12:20	300		34	5.5	Mix 125 SKI AA-2 @ 14.8 FPM
12:28			4	3	WASH pump + line / release plug
12:30	150			6	START DISPLACEMENT
12:40	250		60	5.5	LIFT PRESSURE
12:42	400		70	3	SLOW RATE
12:45	1,500		80.8		plug down / release + hold
					Circulation thru job
12:50			7.5		Plug log + mouse hole
					Job complete
					THANK YOU!
					Mike Mattal
					Mike + Shawn



# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-684-9709 • WICHITA, KS

## GEOLOGIST'S REPORT

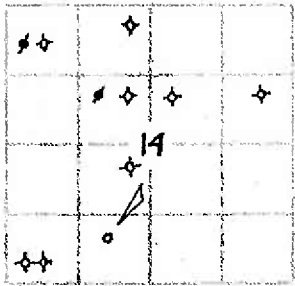
DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.  
 LEASE \* 1-14 SKOLAUT  
 FIELD WILDCAT (LAUD)  
 LOCATION 787' FSL ± 1877' FWL  
 SEC 14 TWP 18s RGE 14w  
 COUNTY BARTON STATE KANSAS  
 CONTRACTOR ROYAL DRILLING CO. RIG 1  
 SPUD 9-2-15 COMP 9-8-15  
 RTD 3416 LTD  
 MUD UP 2690 TYPE MUD CHEMICAL

ELEVATIONS  
 KB 1918  
 DF  
 GL 1912  
 Measurements Are All From 1918 KB  
 CASING  
 SURFACE 8 5/8" @ 913'  
 PRODUCTION 5 1/2" @  
 ELECTRICAL SURVEYS  
None

SAMPLES SAVED FROM 2700 TO 3416  
 DRILLING TIME KEPT FROM 2700 TO 3416  
 SAMPLES EXAMINED FROM 2700 TO 3416  
 GEOLOGICAL SUPERVISION FROM 3000 TO 3416  
 GEOLOGIST ON WELL KIM B. SHOEMAKER

FORMATION TOPS	LOG	SAMPLES
ANHYDRITE		857+ 1061
B/ANH.		882+ 1036
TOPEKA		2849 - 931
HEEBNER		3087 - 1169
BROWN LIME		3160 - 1242
LANSING		3168 - 1250
B/KC.		3374 - 1456
ARBUCKLE		3408 - 1490
RTD		3416 - 1498



REMARKS

API: 15-009-26122  
 9-2-15 SPUD  
 9-3 @ 913'  
 9-4 @ 1816'  
 9-5 @ 2710'  
 9-6 @ 3225'  
 9-7 @ 3370'  
 9-8 @ 3416'

### LEGEND

- Anhydrite
- Salt
- Sandstone
- Shale
- Gyps sh
- Limestone
- Col. Lime
- Chert
- Dolomite



LITHOLOGY

SAMPLE DESCRIPTIONS

REMARKS

ANHYDRITE 857+1061

B/ANH. 882+1036

900



900

2700

2800

2900



Samples are tagged

65. wt. VSI. 6500. S. 2815

Sh. 2849. 5114

65. 61. 64. 51. 6055

Sh. 2849. 5114

65. 70. 64. 51. 6055

65. 70. 64. 51. 6055

Sh. 2849. 5114

TOPEKA 2849-951

65. 70. 64. 51. 6055

65. 70. 64. 51. 6055

65. 70. 64. 51. 6055

65. 70. 64. 51. 6055

65. 70. 64. 51. 6055

Sh. 2849. 5114

Sh. 2849. 5114

65. 70. 64. 51. 6055

Sh. 2849. 5114

65. 70. 64. 51. 6055

2849  
2850  
2851  
2852







Rec. 3' Mid

FP: 9-12 14-22\*  
SIP: 29-20 #

Temp: 105°F

DST (3) 3368-3416

1500psi: Bottom bucket 25 sec. 88: 12"  
240psi: " 10" GTS 1 1/2 MIN. 757H  
30-45-45-60

Rec. 417' GIP  
2924' CGO  
40 Grav. @ 60°F

FP: 381-972  
SIP: 1057-1066 #

Temp: 113°F

Tool Sample: 100% Oil

LS. 7. LE BL. SH. DOC. P. DOC. DE BL. SH. SL. QD. SEED. V. FLODOC  
LS. and SL. Chly.  
LS. and SL. Chly. P. DOC. DE BL. SH. SL. QD. SEED. V. FLODOC  
Sh. g.  
LS. 21 Gy. Du. VSI. Chly.

LS. g. Du.

Sh. g. Du.

LS. and SL. Chly. ST. Foss. P. V. P. DE BL. SH. SL. QD. SEED. V. FLODOC  
No Flour. Flour. No Flour. Flour.

B/KC 3379-1456

A. Dye at Well. No Flour. Flour. No Flour. Flour. No Flour. Flour.

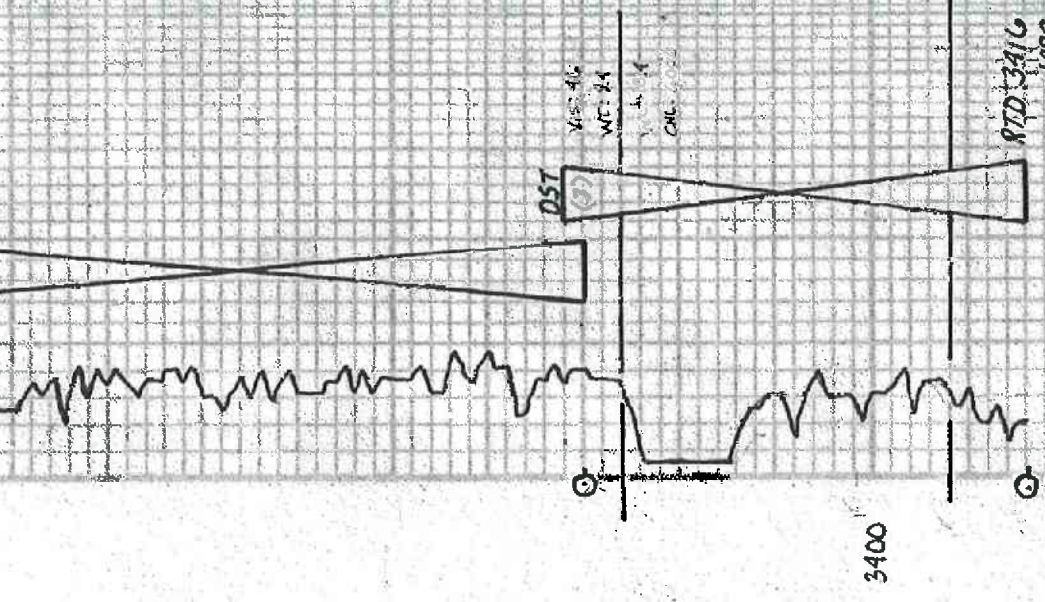
A. Dye at Well. No Flour. Flour. No Flour. Flour. No Flour. Flour.

Sh. g. Du. A. Dye at Well. No Flour. Flour. No Flour. Flour. No Flour. Flour.

A. Dye at Well. No Flour. Flour. No Flour. Flour. No Flour. Flour.

ARBUCKLE 3408-1490

Dye at Well. No Flour. Flour. No Flour. Flour. No Flour. Flour.



DST (3)

RTD 3416 - 1498

3400