

Kansas Corporation Commission Oil & Gas Conservation Division

1060266

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

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						
Letter of Confidentiality Received						
Date:						
Confidential Release Date:						
Wireline Log Received						
Geologist Report Received						
UIC Distribution						
ALT I II III Approved by: Date:						

Side Two



Operator Name:			Lease Na	ame:			_ Well #:		
Sec Twp	S. R	East West	County:						
INSTRUCTIONS: Show time tool open and clos recovery, and flow rates ine Logs surveyed. Att	ed, flowing and shut if gas to surface tes	in pressures, whether, along with final cha	er shut-in pressu	ire reached	d static level,	hydrostatic pres	sures, bottom h	ole temper	ature, fluid
Drill Stem Tests Taken (Attach Additional Sh	neets)	Yes No		Log	Formation	n (Top), Depth ar	nd Datum	☐ Sa	ımple
Samples Sent to Geolo	gical Survey	Yes No		Name			Тор	Da	atum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy)		Yes No							
ist All E. Logs Run:									
		CASII Report all strings s	NG RECORD	New ace, interme	Used	on, etc.			
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weigh Lbs. / F		Setting Depth	Type of Cement	# Sacks Used		d Percent ditives
		ADDITION	NAL CEMENTING	G / SQUEE	ZE RECORD			I	
Purpose: —— Perforate —— Protect Casing —— Plug Back TD	Depth Top Bottom	Type of Cement	# Sacks U	Jsed		Type and I	Percent Additives		
Plug Off Zone									
Shots Per Foot	PERFORATIO Specify F	ON RECORD - Bridge Footage of Each Interval	Plugs Set/Type Perforated			eture, Shot, Cemen		d	Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Li	ner Run:	Yes No			
Date of First, Resumed P	roduction, SWD or ENF	HR. Producing N	Method: Pumping	Gas	Lift O	ther (Explain)			
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	Bb	ols.	Gas-Oil Ratio		Gravity
DISPOSITION	N OF GAS:		METHOD OF C	COMPLETIO	N:		PRODUCTIO	ON INTERVA	AL:
Vented Sold	Used on Lease	Open Hole	Perf.	Dually Cor	mp. Com	nmingled			
(If vented, Subn		Other (Specify	,	Submit ACO	-5) (Subr	nit ACO-4)			

Form	ACO1 - Well Completion		
Operator	Larson Engineering, Inc. dba Larson Operating Company		
Well Name	Martha Unit 1-23		
Doc ID	1060266		

Tops

Name	Тор	Datum	
Anhydrite	992	+911	
Base Anhydrite	1024	+879	
Topeka	2755	-852	
Heebner	3008	-1105	
Lansing	3062	-1159	
Stark	3263	-1360	
Base KC	3320	-1417	
Arbuckle	3427	-1524	



Larson Engineering, Inc.

Martha Unit #1-23

562 W state Rd 4

23/11S/15W-Russell

Olmitz KS 67564-8561

Job Ticket: 42792 DST#: 1

ATTN: Vern Schrag Test Start: 2011.04.13 @ 13:55:07

GENERAL INFORMATION:

Formation: LKC B-C

Deviated: Test Type: Conventional Bottom Hole No Whipstock: ft (KB)

Time Tool Opened: 15:24:37 Tester: Dustin Rash 54

Time Test Ended: 19:22:37 Unit No:

Interval: 3074.00 ft (KB) To 3135.00 ft (KB) (TVD) Reference Elevations: 1903.00 ft (KB)

Total Depth: 3135.00 ft (KB) (TVD) 1896.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor KB to GR/CF: 7.00 ft

Serial #: 8673 Inside

Press@RunDepth: 3109.00 ft (KB) 137.05 psig @ Capacity: 8000.00 psig

Start Date: 2011.04.13 End Date: 2011.04.13 Last Calib.: 2011.04.13 Start Time: 13:55:09 End Time: 19:22:37 Time On Btm: 2011.04.13 @ 15:23:22

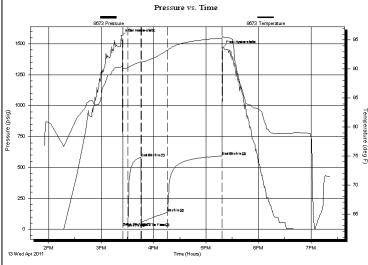
Time Off Btm: 2011.04.13 @ 17:18:52

TEST COMMENT: IF-Weak building blow . Built to 4 inches.

ISI-No Return.

FF-Weak building blow . BOB in 30 minutes.

FSI-Return @ 4 minutes. Built to 1/2 inch. Died @ 27 minutes.



	FRESSURE SUIVINANT					
1	Time Pressure		Temp	Annotation		
	(Min.)	(psig)	(deg F)			
	0	1561.16	90.44	Initial Hydro-static		
	2	23.64	89.75	Open To Flow (1)		
	8	49.65	90.21	Shut-In(1)		
7	23	578.99	91.27	End Shut-In(1)		
Temnerature	23	54.95	91.04	Open To Flow (2)		
reture	53	137.05	93.25	Shut-In(2)		
neh)	115	592.80	95.34	End Shut-In(2)		
פ	116	1465.48	95.65	Final Hydro-static		

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
1.00	100%Oil	0.01
248.00	62%Water/35%Mud/3%Oil	1.76

Gas Rat	es	
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Trilobite Testing, Inc. Ref. No: 42792 Printed: 2011.04.14 @ 09:07:41 Page 1



FLUID SUMMARY

Larson Engineering, Inc.

Martha Unit #1-23

562 W state Rd 4 Olmitz KS 67564-8561 23/11S/15W-Russell

Job Ticket: 42792

DST#: 1

ATTN: Vern Schrag

Test Start: 2011.04.13 @ 13:55:07

Mud and Cushion Information

Mud Type: Gel Chem Cushion Type: Oil API: deg API

Mud Weight: 9.00 lb/gal Cushion Length: ft Water Salinity: 75000 ppm

Viscosity: 48.00 sec/qt Cushion Volume: bbl

Water Loss: 6.80 in³ Gas Cushion Type:

Resistivity: 0.09 ohm.m Gas Cushion Pressure: psig

Salinity: 4500.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	100%Oil	0.007
248.00	62%Water/35%Mud/3%Oil	1.756

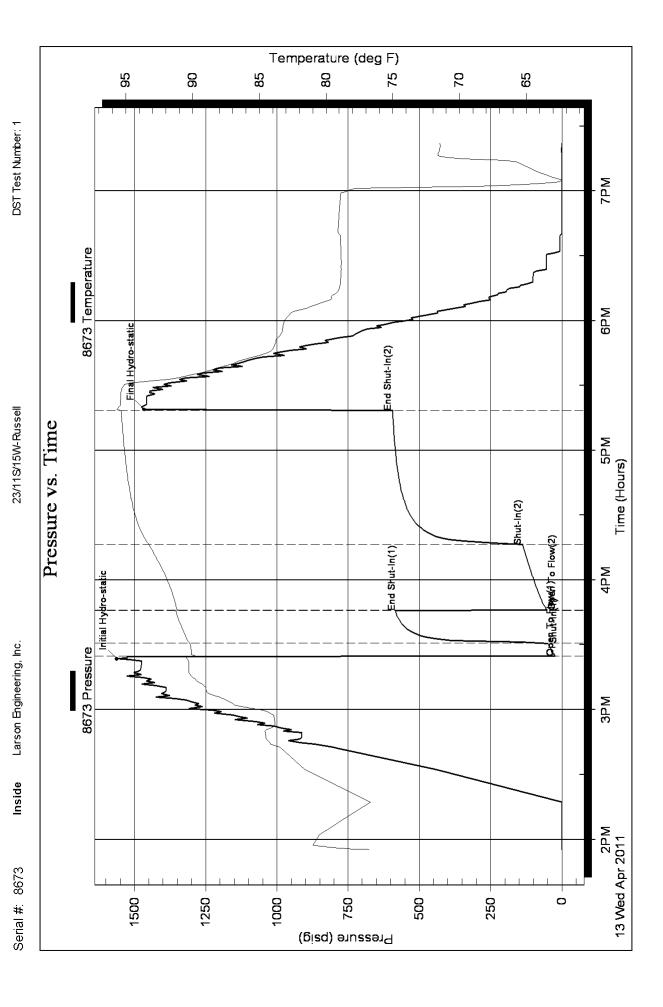
Total Length: 249.00 ft Total Volume: 1.763 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 42792 Printed: 2011.04.14 @ 09:07:42 Page 2



Printed: 2011.04.14 @ 09:07:43 42792 Ref. No:

Trilobite Testing, Inc

Page 3



Larson En6gineering, Inc.

Marha Unit #1-23 23/11S/15W-Russell

562 W. State Rd 4 Olmitz.KS 67564-8561

ATTN: Vern Schrag

Job Ticket: 42793

DST#: 2

Test Start: 2011.04.14 @ 14:25:42

GENERAL INFORMATION:

Formation: LKC J,K,&L

Deviated: Test Type: Conventional Bottom Hole No Whipstock: ft (KB)

Time Tool Opened: 16:00:12 Tester: Dustin Rash 54

Time Test Ended: 19:43:57 Unit No:

3233.00 ft (KB) To 3316.00 ft (KB) (TVD) Interval: Reference Elevations: 1903.00 ft (KB)

Total Depth: 3316.00 ft (KB) (TVD) 1898.00 ft (CF)

7.88 inches Hole Condition: Poor KB to GR/CF: Hole Diameter: 5.00 ft

Serial #: 8673 Inside

Press@RunDepth: 53.54 psig @ 3298.00 ft (KB) Capacity: 8000.00 psig

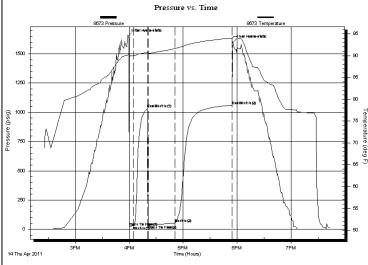
Start Date: 2011.04.14 End Date: 2011.04.14 Last Calib.: 2011.04.14 Start Time: 14:25:44 End Time: 19:43:57 Time On Btm: 2011.04.14 @ 15:58:42 Time Off Btm: 2011.04.14 @ 17:55:27

TEST COMMENT: IF-Weak building blow . Built to 2 inches.

ISI-No Return.

FF-Weak building blow. Built to 6&1/2 inches.

FSI-No Return.



Annotation Time Pressure Temp (Min.) (psig) (deg F) 0 1650.79 90.20 Initial Hydro-static 22.03 89.60 Open To Flow (1) 2 7 29.43 89.99 | Shut-In(1) 22 1033.05 90.72 End Shut-In(1) 23 34.92 Open To Flow (2) 90.47 53.54 91.60 | Shut-In(2) 52 116 1060.64 94.03 End Shut-In(2) 1598.41 94.23 Final Hydro-static 117

PRESSURE SUMMARY

Recovery

Length (ft)	Description	Volume (bbl)
100.00	80%Mud/10%Gas/10%Oil	0.71

Gas Rates				
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)	

Trilobite Testing, Inc Ref. No: 42793 Printed: 2011.04.14 @ 22:10:40 Page 1



FLUID SUMMARY

Larson En6gineering, Inc.

Marha Unit #1-23

562 W. State Rd 4 Olmitz, KS 67564-8561

ATTN: Vern Schrag

23/11S/15W-Russell

Job Ticket: 42793

Serial #:

DST#: 2

Test Start: 2011.04.14 @ 14:25:42

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:50.00 sec/qtCushion Volume:bbl

Water Loss: 7.98 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 6000.00 ppm Filter Cake: inches

Recovery Information

Recovery Table

 Length ft
 Description
 Volume bbl

 100.00
 80%Mud/10%Gas/10%Oil
 0.708

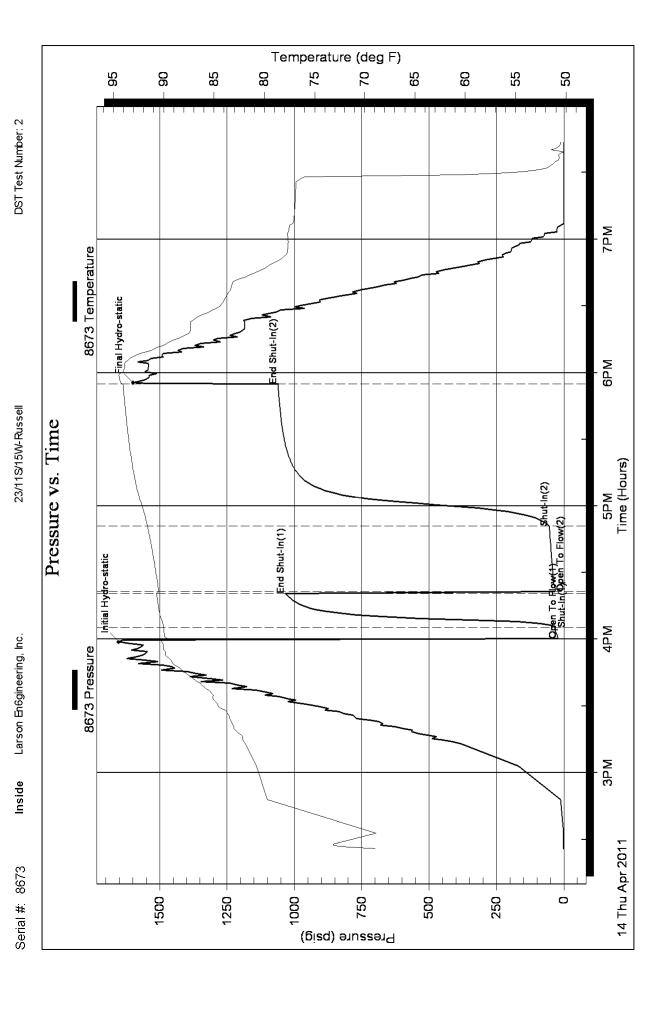
Total Length: 100.00 ft Total Volume: 0.708 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 42793 Printed: 2011.04.14 @ 22:10:41 Page 2



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WELLSITE GEOLOGIST'S REPORT

VERNON C. SCHRAG CONSULTANT GEOLOGIST



Scale 1:240 (5"=100') Imperial

Well Name: MARTHA UNIT #1-23

Location: NE NW NW SE Sec. 23-11s-15w

Licence Number: API: 15-167-23694 Region: Russel Co., KS Spud Date: Apr. 08, 2011 Drilling Completed: Apr. 15, 2011

Spud Date: Apr. 08, 2011
Surface Coordinates: 2420' FSL & 2297' FEL

Bottom Hole Vertical Hole

Coordinates:

Ground Elevation (ft): 1898'

Logged Interval (ft): 2750'

To: RTD

K.B. Elevation (ft): 1903'

Total Depth (ft): 3450'

Formation: Arbuckle

Type of Drilling Fluid: Chemical Premix (Displaced)

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

OPERATOR:

Company: LARSON ENGINEERING, INC.

Address: 562 West State Road 4

Olmitz, KS 67564-8561

DRILLING CONTRACTOR:

Shields Drilling Company, Rig #1

DP 4.5" XH; Kelly + DC: 281.15' (4 stands); Tool Joint 5.5"; Bit: Reed S-52, 7-7/8", jets 13-13-14; rpm 60; Kelly Bushing 5' above ground level; Tom Engle (tool pusher).

SURFACE CASING:

Set 8-5/8" casing at 216' (209', 20#)

CIRCULATION SYSTEM:

Pump: Bethlehem 225, duplex, 6 x 14, 2" rod, 54 spm, SPP: 800 psi; Chemical, premix, displaced at 3600'; MudCo-Service Mud, Gary Schmidtberger.

GAS DETECTION SYSTEM:

None.

OPEN HOLE LOGS:

DN (PE), DI (SP), ML: 5" detail RTD-2600; 2" DI to suface casing; No Sonic Log; LogTech-Pioneer Wireline, Hays, KS, B. Becker, Log total depth (3449') was 1' short to rotary total depth (3450').

DRILL STEM TEST #1:

Zone: Lansing "B, C, D": Test Interval: 3074-3135' (61' anchor); Blow: weak incr 4" IFP, no RB; weak incr BOB 30 min FFP, 1/2" RB; Time Periods: 5-15-30-60; Recovery: 1' oil (100%), 248' OCMW (3% oil, 35% mud, 62% water, 75k/4k chlorides, Rw 0.088 at 82 F); Pressures: HP: 1561-1465; SIP: 579-593, FP: 24-50, 55-137, BHT: 95 F; dual packers, jars, joints, no collars, 469' weight pipe, Trilobite Testing, Inc., Dustin Rash.

DRILL STEM TEST #2:

Zone: Kans. City "J, K, L": Interval: 3233-3316 (83' anchor); Blow: weak incr 2" IFP, Time Periods: 5-15-30-60; Blow: weak incr 2" IFP, no RB; weak incr 6.5" FFP, no RB; Time Periods: 5-15-30-60; Recovery: 100' SOGCM (10% gas, 10% oil, 80% mud); Pressures: HP: 1651-1598; SIP: 1033-1061; FP: 22-29, 35-54; BHT: 94 F; dual packers, jars, joints, no collars, 469' weight pipe; Trilobite Testing, Inc., Dustin Rash.

7AM DAILY ACTIVITY:

04/08: MIRT, SPUD 4:45 pm

04/09: WOC 219' 04/10: Drilling 1059' 04/11: Drilling 1705'

04/12: Drilling 2485', call 4:30am 2400'

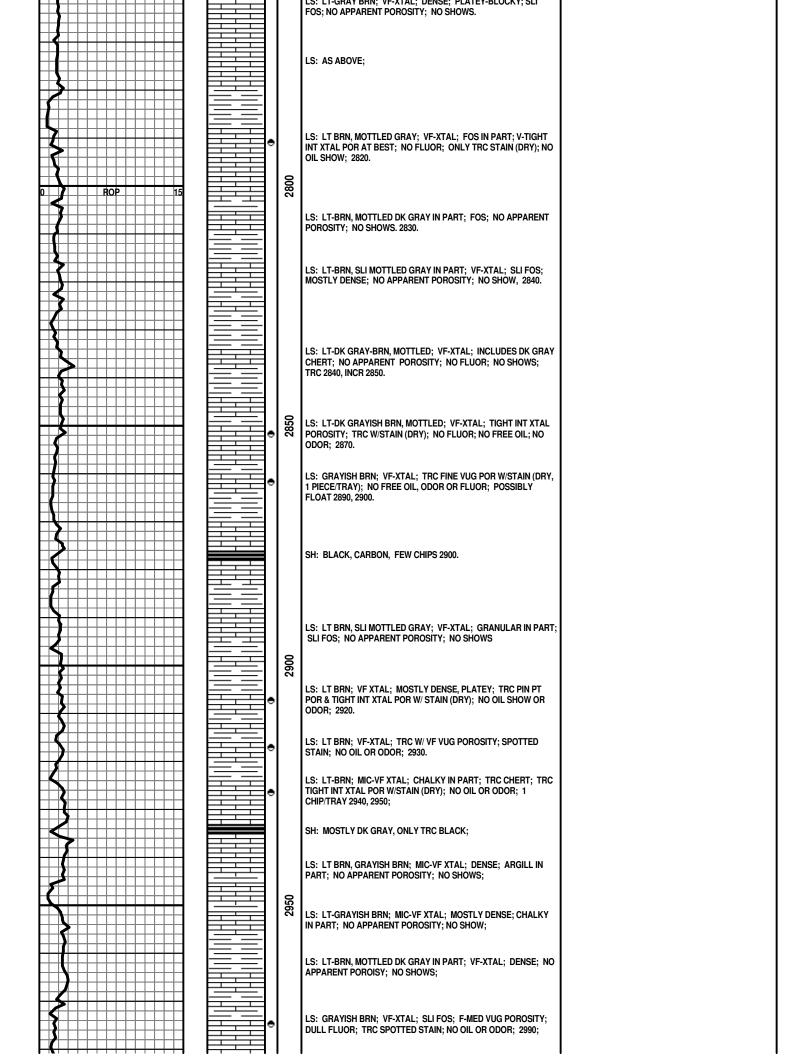
04/13: Drilling 3089' 04/14: CFS 3254' 04/15: RTD 3450'

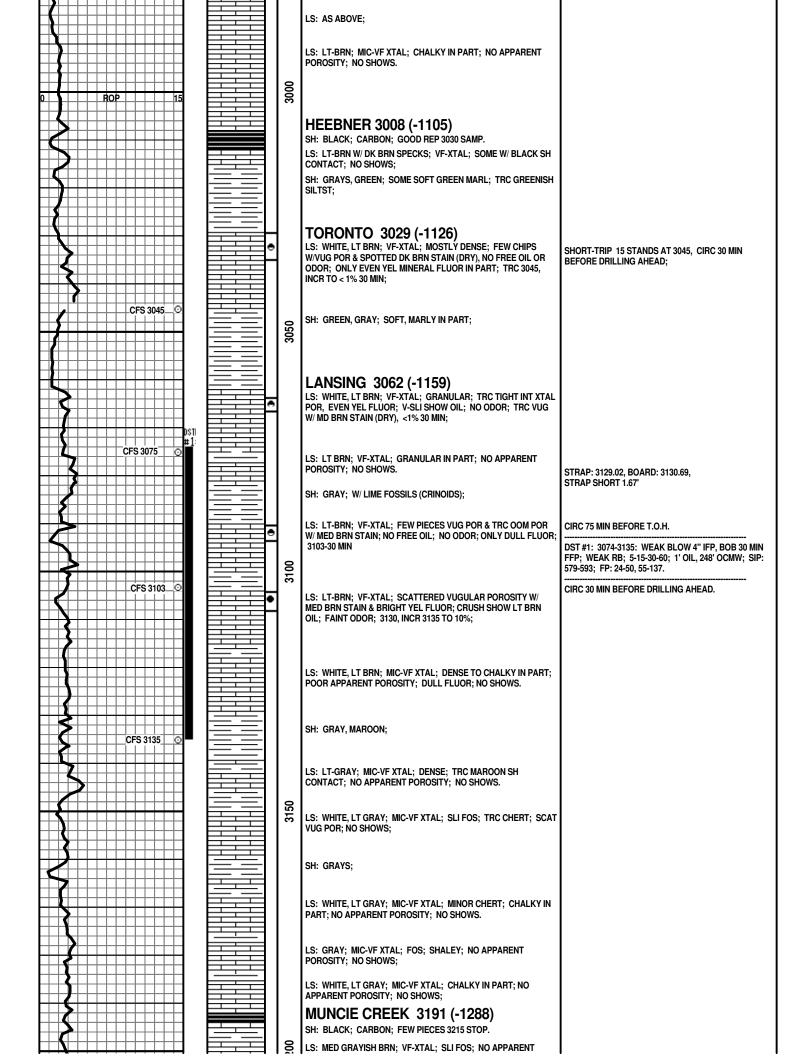
04/15: Released 2:45 pm

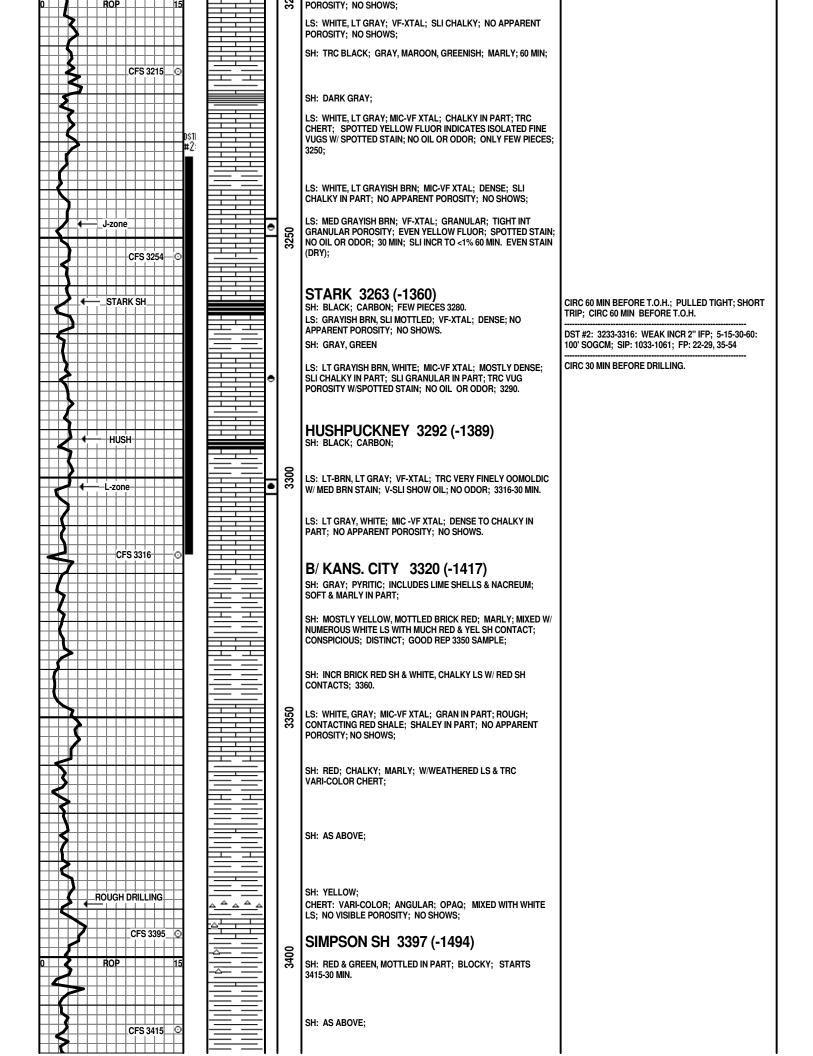
WELLSITE GEOLOGIST:

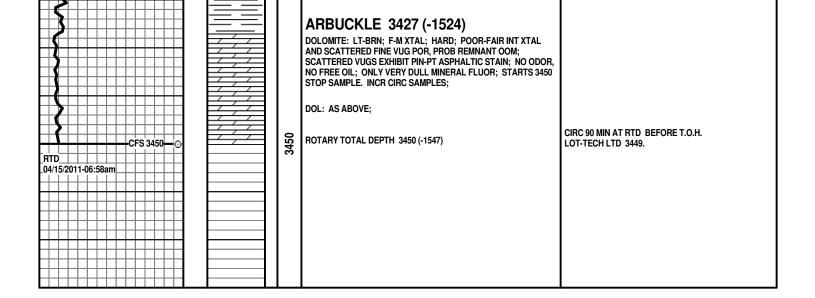
Vern Schrag

ROP ROP (min/ft)	DST	Lithology	Porosity and Show	Depth	Geological Descriptions	TG, C1-C4 / REMARKS
0 ROP 15					AHHYDRITE 992 (+911) B/ANHY 1024 (+879)	REFERENCE WELL: MAST DRILLING CO., INC., DEINERT #1, NE NE SE SEC 23-11S-15W
START 10' SAMPLES				2700	SH: GREEN, GRAY, MAROON	GEO ON LOC ABOUT 2700' 04/12/2011
PC ROP				2750	TOPEKA 2755 (-852)	









ALLIED CEMENTING CO., LLC. 036470 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665		SER	VICE POINT:	u Ks.
DATE 4-9-201) SEC. TWP. RANGE C	ALLED OUT	ON LOCATION	JOB START	JOB FINISH
ha an Til	i/. 1.=	יא אי אמי	ICOUNTY	STATE
LEASE UNI WELL# 1-23 LOCATION CON PAR			- 9KUSSE/1	KANSAS
OLD OR(NEW (Circle one) 2 N 2	E 2NIN	10		
CONTRACTOR SHIELD'S DALG. RIG#1	OWNER			
TYPE OF JOB Cement SurFAce HOLE SIZE 12 4 T.D. 2/2	CEMENT			·
HOLE SIZE 12 4 T.D. 3/9. CASING SIZE 8 5/8 New DEPTH 2016	AMOUNT ORE	ERED 1.50	SX Com	
TUBING SIZE # CSG DEPTH		2 % Ge		
DRILL PIPE DEPTH		370CC	<u> </u>	
PRES. MAX 250 # MINIMUM	COMMON	150	a // 25	2437,50
PRES. MAX MEAS. LINE SHOE JOINT	COMMON POZMIX		@_ /0,~, _	~75/, 56
CEMENT LEFT IN CSG. 15'	GEL	3	@ 21.25	63.75
PERFS.	CHLORIDE	5	@ <i>58,2</i>	291, w
DISPLACEMENT /3 BBL	ASC		@	
EQUIPMENT '			@	.
			@	
PUMPTRUCK CEMENTER GLEWIY				
# 398 HELPER Woody BULK TRUCK			@	
# 423 DRIVER MARK			@ @	*
BULK TRUCK			_ @	· -
# DRIVER	HANDLING	158	@ 2.25	322' 20
	MILEAGE	Yskfa-fe		2/00/10
REMARKS:	•		TOTAL	340845
Ban 5 JTS WED 20# 8% CSG,				
$\alpha = 1$ $\alpha = 1$ $\alpha = 1$		C177557		
Set @ 216 tement w/		SERV	ICE	
150 Sx Com 2+3, Release Plug			ICE	
150 Sx Com 2+3. Release Plug + Dis-place BBL H20. ShuT of IN @ 250#PST.	DEPTH OF JOE PUMP TRUCK	SCHARGE		//25iw
150 Sx Com 2+3. Release Plug + Dis-place BBL H20. ShuT of IN @ 250# PST. Lem ent DiD Circulate	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA	BCHARGE	@	:
150 Sx Com 2+3. Release Plug + Dis-place BBL H20. ShuT of IN @ 250#PST.	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE	SCHARGE GE		2/0,00
150 Sx Com 2+3. Release Plug + Dis-place BBL H20. ShuT of IN @ 250# PST. Em ent DiD Circulate	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA	SCHARGE GE		2/0,00
150 Sx Com 2+3. Release Plug + Dis-place BBL H20. ShuT of IN @ 250# PST. Em ent DiD Circulate	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	S CHARGE AGE <i>え</i> ゅ		2/0,00
150 Sx Com 2+3. Release Plug Y Dis-place BBL H20. ShuT of IN @ 250 # PST. Le m ent DiD Circulate TO Surface, 142nK'SE	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	S CHARGE AGE <i>え</i> ゅ		2/0,00
CHARGE TO: Larson Operating Compa	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	S CHARGE AGE <i>え</i> ゅ	@	2/0,00
TSO SX Com 2+3. Release Plug Y Dis-place BBL H20. ShuT of IN @ A50 # PST. Em ent DiD Circulate TO SURFACE. THANK'SE CHARGE TO: LARSON OPERALING Company STREET	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	S CHARGE AGE <i>え</i> ゅ	@	120,00
CHARGE TO: Larson Operating Compa	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	S_CHARGE CGE	@	120,00
TSO SX Com 2+3. Release Plug Y Dis-place BBL H20. ShuT of IN @ A50 # PST. Em ent DiD Circulate TO SURFACE. THANK'SE CHARGE TO: LARSON OPERALING Company STREET	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	@ @ @ @ @ TOTAL	2/0,w 120,00
TSO SX Com 2+3. Release Plug Y Dis-place BBL H20. ShuT of IN @ A50 # PST. Emment DiD Circulate TO SURFACE. THANK'SE CHARGE TO: LARSON OPERALING Company STREET	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	@	2/0,w 120,00 14557.00 TT
TSO SX Com 2+3. Release Plug Y Dis-place BBL H20. ShuT of IN @ A50 # PST. Em ent DiD Circulate TO SURFACE. THANK'SE CHARGE TO: LARSON OPERALING Company STREET	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	— @	2/0, ω 120, ω 14537 ω
To Allied Cementing Co., LLC.	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	@	2/0,w 120,00 14557.co
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	— @	2/0, ω /20, ω /4557 ω
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	@	2/0, ω /20, ω /4557 ω
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD	CHARGE CHARGE GE \$\sigma \lefta \sqrt{0}	@	2/0, ω /20, ω /4557 ω
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD P	CHARGE	@	2/0,w 120,00 14557.co
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD PP S S U	CHARGE	@	2/0, ω /20, ω /4557 ω 79, ω
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor. I have read and understand the "GENERAL	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD P	CHARGE	@	2/0,w /20, co /4557.co
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD PROPERTY SALES TAX (IF TOTAL CHARGE)	CHARGE	@	2/0, w /20, co /4537 co
To Allied Cementing Co., LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor. I have read and understand the "GENERAL	DEPTH OF JOE PUMP TRUCK EXTRA FOOTA MILEAGE MANIFOLD PP S S U	CHARGE	@	2/0, w /20, co /4537 co



PO BOX 31 Russell, KS 67665

INVOICE

11

Invoice Number: 126923

Invoice Date: Apr 16, 2011

Page:

1

Voice: (785) 483-3887 Fax: (785) 483-5566

Bill To:

Larson Engineering, Inc. 562 W. State RD #4 Olmitz, KS 67564-8561

Federal Tax I.D.#: 20-5975804

CustomerID	Well Name# or Customer P.O.	Payment Terms			
Lars	Martha Unit #1-23	Net 30 Days			
Job Location	Camp Location	Service Date	Due Date		
KS2-03	Russell	Apr 16, 2011	5/16/11		

Quantity	Item	Description	Unit Price	Amount
135.00	MAT	Class A Common	16.25	2,193.75
90.00	MAT	Pozmix	8.50	765.00
8.00	MAT	Gel	21.25	170.00
56.00	MAT	Flo Seal	2.70	151.20
233.00	SER	Handling	2.25	524.25
15.00	SER	Mileage 233 sx @.11 per sk per mi	25.63	384.45
1.00	SER	Plug to Abandon	1,250.00	1,250.00
30.00	SER	Pump truck Mileage	7.00	210.00
30.00	SER	Light Vehicle Mileage	4.00	120.00
1.00	EQP	4.5 Dry Hole Plug	64.00	64.00
1.00	CEMENTER	Shane Poche		
1.00	CEMENTER	Heath Long	j	
1.00	OPER ASSIST	Tony Pfannenstiel		
1.00	OPER ASSIST	Nick Williams	İ	
9264	end tope	PAID MAY 1 1 2011 19324		

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 11/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

1166 53

ONLY IF PAID ON OR BEFORE May 11, 2011

Subtotal	5,832.65
Sales Tax	484.11
Total Invoice Amount	6,316.76
Payment/Credit Applied	
TOTAL	6,316.76

5150.23

ALLIED CEMENTING CO., LLC. 039589 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665					SERVICE POINT				
	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH		
DATE 4/16/11	23	(1	15			COUNTY	1:00 A-		
LEASE Martha	WELL#	1-23	LOCATION GO.	ham ITE GN	3/4E	Rucell	STATE		
OLD OR NEW (Ci		7		e Ninto	•				
CONTRACTOR O	Sheil	Ids A							
HOLE SIZE 7		TD	. 3450	CEMENT					
CASING SIZE			PTH	AMOUNT C	RDERED 22	5 6/40 41	36e/		
TUBING SIZE			PTH		# F6 50	rc/			
DRILL PIPE 4	/2	DE	РТН 3407						
TOOL		DE	PTH	 .	,				
PRES. MAX		MII	NIMUM	COMMON_	/35		2193,75		
MEAS. LINE			OE JOINT		90		765,00		
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DISPLACEMENT				ASC		@			
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PUMP TRUCK	CEMENT	ER_JX	anc, Heat	<u> </u>		_	- 		
# 409	HELPER	TONS	•						
BULK TRUCK						@			
# 378	DRIVER	Nick							
BULK TRUCK						@			
#	DRIVER			— HANDLING	233		524,25		
					11/sk/pile		384.45		
	REI	MARKS:		WILDER TOD 2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		4188.65		
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10'					JOB				
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·				MILEAGE _	30		21000		
Moise Hall	- 1	5-5K5		— MANIFOLD)				
				LUM	3 ₆	@ @_ ५ ८७५_	120,00		
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CHARGE TO:	grson	Op	perating			TOTAL	1580 cm		
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			and the "GENERA	CALECTAV	(If Any)	· •	<u> </u>		
TERMS AND CO	אוועאכ	MAD' IIRIG	d on the reverse si	uc.			• .		
	و و سبب			TOTAL CHA	ARGES				
PRINTED NAME	homa	s Enc	je l	DISCOUNT		IF PA	ID IN 30 DAYS		
(, ~~~~		j.					
	-11	im 11	1. max	, j "					

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

August 05, 2011

Thomas Larson Larson Engineering, Inc. dba Larson Operating Company 562 W STATE RD 4 OLMITZ, KS 67564-8561

Re: ACO1 API 15-167-23694-00-00 Martha Unit 1-23 SE/4 Sec.23-11S-15W Russell 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, Thomas Larson