

Kansas Corporation Commission Oil & Gas Conservation Division

1060473

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:	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?
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 #:	Quarter Sec Twp S. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: 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 Approved by: Date:						

Side Two



Operator Name:			Lease Name: _			_ Well #:	
Sec Twp	S. R	East West	County:				
time tool open and clo	osed, flowing and shu es if gas to surface te	d base of formations pen t-in pressures, whether s st, along with final chart(well site report.	hut-in pressure rea	ched static level,	hydrostatic press	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taker (Attach Additional		Yes No		og Formatio	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	ological Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes No Yes No Yes No					
List All E. Logs Run:							
		Report all strings set-o		ermediate, producti	<u> </u>		
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 / SQL	 JEEZE RECORD			
D. II		Type of Cement	# Sacks Used		Type and F	Percent Additives	
Plug Back TD Plug Off Zone							
	DEDEODATI	ON DECORD - Daider Bloss	- O-4/T	Acid Fro	cture, Shot, Cemen	t Causana Dagar	
Shots Per Foot	Specify I	ON RECORD - Bridge Plug Footage of Each Interval Per	forated		mount and Kind of Ma		Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed	Production, SWD or EN	HR. Producing Meth		Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil	Bbls. Gas	Mcf Wat	er B	bls.	Gas-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:		METHOD OF COMPLE	ETION:		PRODUCTIO	ON INTERVAL:
Vented Solo		Open Hole	Perf. Dually	Comp. Cor	nmingled		
(If vented, Su	bmit ACO-18.)	Other (Specify)	(Submit)	4CO-5) (Sub	mit ACO-4)		_

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

July 29, 2011

DEAN PATTISSON Woolsey Operating Company, LLC 125 N MARKET STE 1000 WICHITA, KS 67202-1729

Re: ACO1 API 15-007-23677-00-00 LUTHI GU 3 SW/4 Sec.36-33S-11W Barber 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, DEAN PATTISSON

ALLIED CEMENTING CO., LLC. 040067

Federal Tax I.D.# 20-5975804

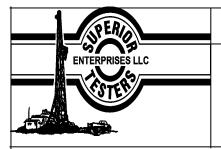
REMIT TO P.O. BOX 31 RUSSELL, KANSAS 67665 SERVICE POINT:

Medicino Lodse Ks

_								
DATE 4-9-2011	SEC. 36	TWP. 335	RANGE !!h		CALLED OUT	ON LOCATION	JOB START	
LEASE LuthiCU	WEII#	3	LOCATION C	erle.	h & Bethor	· Di	COUNTY Berber	STATE
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CONTRACTOR	H2 H	13			OWNER W	colsey ope	151.25	
	Produc	4.00					•	
HOLE SIZE	77/8	T.D	. 5150'		CEMENT			
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#	DRIVER				HANDLING	281	@ 2.25	632.21
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						own Plug	@	792.00
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contractor. I hav					SALES TAX	(If Any)		
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)					•
SIGNATURE	Tile	Th	P					

ALLIED CEMENTING CO., LLC. 040131 Federal Tax I.D.# 20-5975804

REMIT TO P.O. E	BOX 31 SELL, KAN	NSAS 676		IGA I.D.W 20-331 3004	,	SERV	ICE POINT:	od ells
DATE 4-1-11	SEC ₃ 6	TWP.	RANGE M W	CALLED OUT	ON LO	CATION	JOB START	JOB FINISH
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TUBING SIZE	74		PTH	AIVIOUNI O	NDLNLD	<u> </u>	7-7-2	0,000
DRILL PIPE			PTH	- 				
TOOL			PTH		· ····································		_	
PRES. MAX 300	005)		NIMUM	COMMON g	bas A"	2405	x@/6,2,	3900:00
MEAS. LINE			OE JOINT	POZMIX			@	
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DISPLACEMENT	20/26	65H20		ASC				
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PUMP TRUCK	CEMENT	ER <u>M97</u>	4th mach	Regulator	v Corresp	ondence		
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BULK TRUCK			•	**************************************			_ @ @	N. American
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DRILL STEM TEST REPORT

WOOLSEY OPERATING COMPANY L.LC. LUTHI GU #3

125 N MARKET STE 100 WICHITA KS 67202-1729

36-33-11 BARBER

Job Ticket: 15650

DST#: 1

ATTN: SCOTT ALBERG

Test Start: 2011.04.06 @ 20:30:00

GENERAL INFORMATION:

Formation: MISSISSIPPI

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

Time Tool Opened: 22:43:30 Tester: JARED SCHECK
Time Test Ended: 05:25:00 Unit No: 3320-SCOTT CITY-

Interval: 4538.00 ft (KB) To 4665.00 ft (KB) (TVD)

Total Depth: 4665.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1457.00 ft (KB)

1447.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8524 Inside

Press@RunDepth: 162.67 psia @ 4661.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2011.04.06
 End Date:
 2011.04.07
 Last Calib.:
 2011.04.07

 Start Time:
 20:30:00
 End Time:
 05:25:00
 Time On Btm:
 2011.04.06 @ 22:41:30

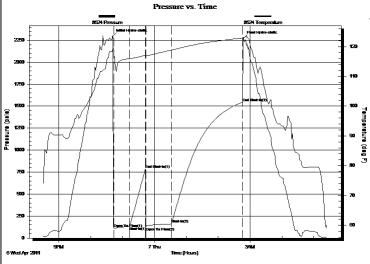
 Time Off Btm:
 2011.04.07 @ 02:47:30

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 MINUTE

60/INITIAL SHUT IN: VERY WEAK SURFACE BLOW

60/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 MINUTE

120/FINAL SHUT IN:NO BLOW BACK



	TRESSURE SUMMARY							
Ī	Time	Pressure	Temp	Annotation				
	(Min.)	(psia)	(deg F)					
	0	2292.88	119.46	Initial Hydro-static				
	2	111.93	118.51	Open To Flow (1)				
	32	131.39	115.94	Shut-ln(1)				
	62	784.21	117.08	End Shut-In(1)				
	63	125.31	116.96	Open To Flow (2)				
	111	162.67	118.79	Shut-In(2)				
6	245	1545.27	122.87	End Shut-In(2)				
J	246	2269.74	123.09	Final Hydro-static				
		1		1				

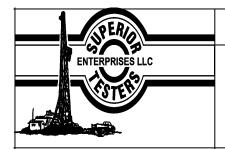
PRESSURE SUMMARY

Recovery

Description	Volume (bbl)
MUDDY WATER 30%MUD 70%WATER	0.89
CHLORIDES 20,000	0.00
RESISTIVITY .3 @65 DEGREES	0.00
	MUDDY WATER 30%MUD 70%WATER CHLORIDES 20,000

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

Superior Testers Enterprises LLC Ref. No: 15650 Printed: 2011.04.07 @ 05:58:18



DRILL STEM TEST REPORT

TOOL DIAGRAM

WOOLSEY OPERATING COMPANY L.LC.

LUTHI GU #3

125 N MARKET STE 100 WICHITA KS 67202-1729

36-33-11 BARBER

Job Ticket: 15650

DST#: 1

ATTN: SCOTT ALBERG

Test Start: 2011.04.06 @ 20:30:00

Tool Information

Drill Pipe: Length: 4285.00 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar: Length:

0.00 ft Diameter: 240.00 ft Diameter:

3.80 inches Volume: 60.11 bbl 0.00 inches Volume: 0.00 bbl 2.25 inches Volume: 1.18 bbl Total Volume: 61.29 bbl

Tool Weight: 1000.00 lb Weight set on Packer: 20000.00 lb Weight to Pull Loose: 65000.00 lb Tool Chased 0.00 ft

String Weight: Initial 58000.00 lb

Printed: 2011.04.07 @ 05:58:18

Final 58000.00 lb

Drill Pipe Above KB: 16.00 ft Depth to Top Packer: 4538.00 ft

Depth to Bottom Packer: ft Interval between Packers: 127.00 ft Tool Length: 156.00 ft

Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4510.00		
Shut-In Tool	5.00			4515.00		
Hydrolic Tool	5.00			4520.00		
Jars	6.00			4526.00		
Safety Joint	2.00			4528.00		
Packer	5.00			4533.00	29.00	Bottom Of Top Packer
Packer	5.00			4538.00		
Change Over Sub	0.75			4538.75		
Drill Pipe	95.50			4634.25		
Change Over Sub	0.75			4635.00		
Perforations	25.00			4660.00		
Recorder	1.00	8524	Inside	4661.00		
Recorder	1.00	8525	Outside	4662.00		
Bullnose	3.00			4665.00	127.00	Bottom Packers & Anchor

Total Tool Length: 156.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WOOLSEY OPERATING COMPANY L.LC.

LUTHI GU #3

125 N MARKET STE 100 WICHITA KS 67202-1729

36-33-11 BARBER

Job Ticket: 15650

DST#: 1

ATTN: SCOTT ALBERG

Test Start: 2011.04.06 @ 20:30:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 50.00 sec/qt Cushion Volume: bbl

Water Loss: 9.60 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 7000.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
180.00	MUDDY WATER 30%MUD 70%WATER	0.885
0.00	CHLORIDES 20,000	0.000
0.00	RESISTIVITY .3 @65 DEGREES	0.000

Total Length: 180.00 ft Total Volume: 0.885 bbl

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

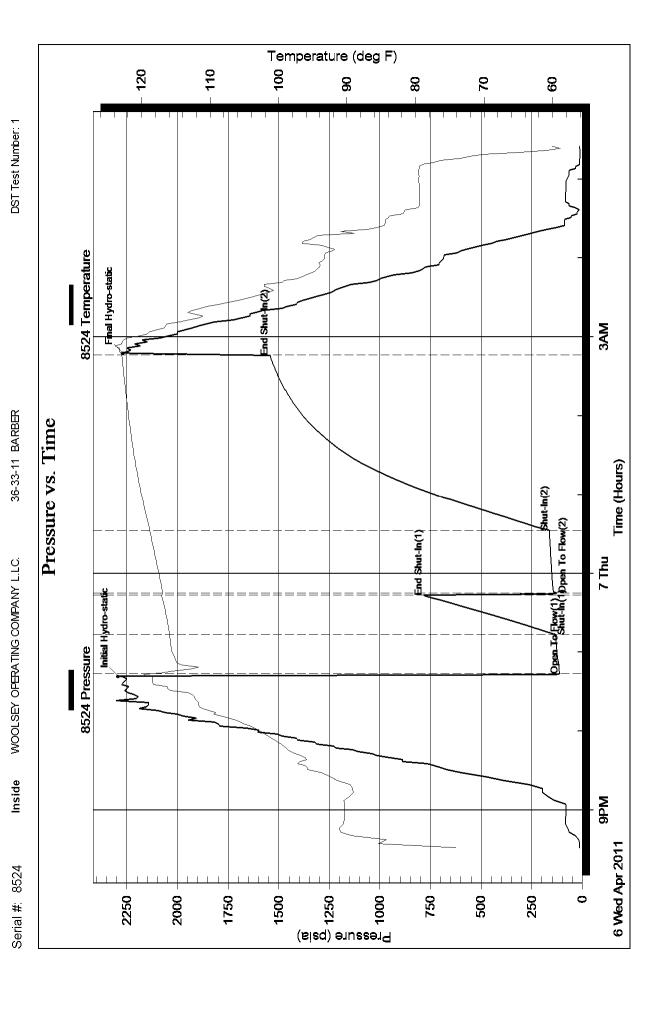
Laboratory Name: Laboratory Location:

Ref. No: 15650

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2011.04.07 @ 05:58:19





Woolsey Operating Company, LLC Scale 1:240 (5"=100") Imperial

Measured Depth Log

Well Name: Luthi GU #3 Location: SE SE SW

License Number: API: 15-007-23677-00-00 Region: Barber County, Kansas

Spud Date: March 31, 2011 Drilling Completed: April 9, 2011

Surface Coordinates: 330' FSL, 2310' FWL Section 36-Twp 33 South - Rge 11 West

Kochia Pool

Bottom Hole Vertical Hole

Coordinates:

Ground Elevation (ft): 1447 K.B. Elevation (ft): 1456 Logged Interval (ft): 4000 To: 5150 Total Depth (ft): 5150

Formation: McLish Shale

Type of Drilling Fluid: Chemical Mud, Displace at 3441'

Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company,LLC

Address: 125 N. Market, Suite 1000

Wichita, KS 67202

GEOLOGIST

Name: W. Scott Alberg

Company: Alberg Petroleum, LLC Address: 609 Meadowlark Lane

Pratt, Kansas 67124

FORMATION TOPS

	SAMPLE TOPS	LOG TOPS
HUSHPUCKNEY SHALE	4382(-2926)	4374(-2918)
B/KC	4436(-2980)	4430(-2974)
PAWNEE	4523(-3067)	4518(-3062)
CHEROKEE GROUP	4570(-3114)	4566(-3110)
CHEROKEE SAND	4594(-3138)	4590(-3134)
MISSISSIPPIAN	4610(̀-3154)́	4600(-3144)
KINDERHOOK SHALE	4828(-3372)	4823(-3367)
WOODFORD SHALE	4908(-3452)	4904(-3448)
VIOLA	4940(-3484)	4938(-3482)
SIMPSON GROUP	5038(-3582)	5034(-3578)
SIMPSON WILCOX	5056(-3602) 5058(-3602)	5053(-3597)
MCLISH SHALE	5104(-3648)	5098(-3642)
MCLISH SAND	NDE	NDE
RTD LTD	5150(-3694)	5148(-3692)

Note: Log Tops are 4 to 6' higher than all sample tops.

COMMENTS

Surface Casing: Set 6 joints 10 3/4" at 231' with 240 sxs Class A, 2% gel, 3% cc, plug down at 12:45 a.m. on

April 1, 2011. Cement did Circulate. Production Casing: Ran 5 1/2" Casing

Deviation Surveys: 0- 235',1/4-1214', 1-1722', 1/2-2199', 1/2-2739', 3/4-3249', 1-3757', 1-3915', 1 1/4-4011',

1/4-4170', 1 - 4665', 1/2-5150'.

Contractor Bit Record:

1- 14 3/4" out at 235'.

2- 7 7/8" out at 4665'

3- 7 7/8" out at 5150'.

Gas Detector: Woolsey Operating Company, Trailer #2 Mud System: Mud Co, Brad Bortz, Arron Rush, Engineers

DSTs: Superior Testing Company Logged by Superior Well Services

LTD - 5148'

DSTs

DST #1 Mississippian 4538' to 4665'

Times 30-60-60-120

Initial Opening: Strong Blow, BOB 1 minute, weak surface blow back

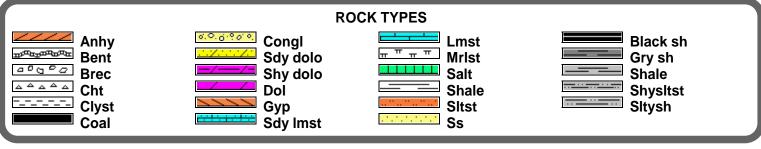
Second Opening: Strong Blow, BOB 1 minute, no blow back.

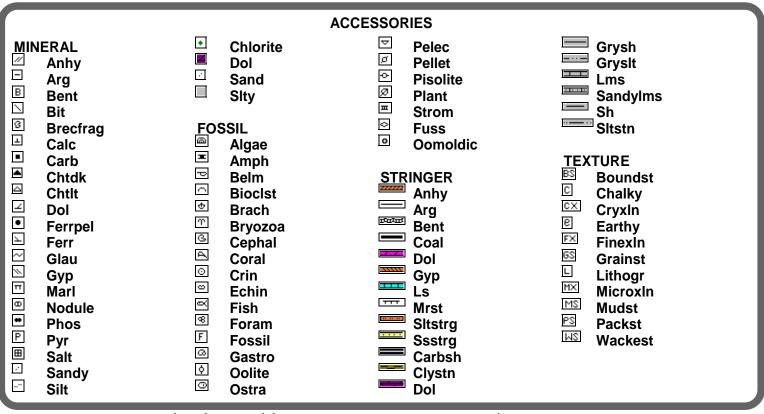
IHP 2282# FHP 2269#
IF 111#-131# FF 125#-165#
ISIP 784# FSIP 1545#

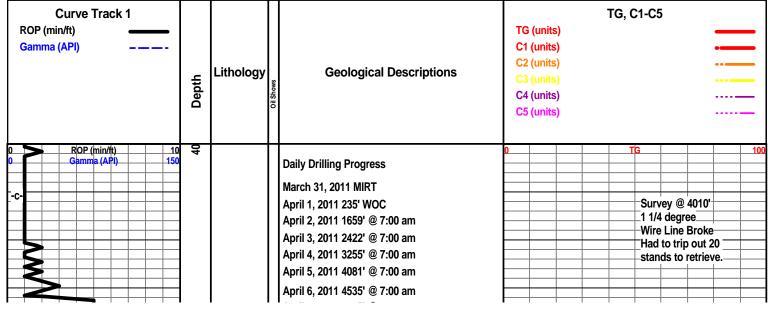
Recovery: 180' MW, 30% M, 70% W, Chlorides 20,000 ppm

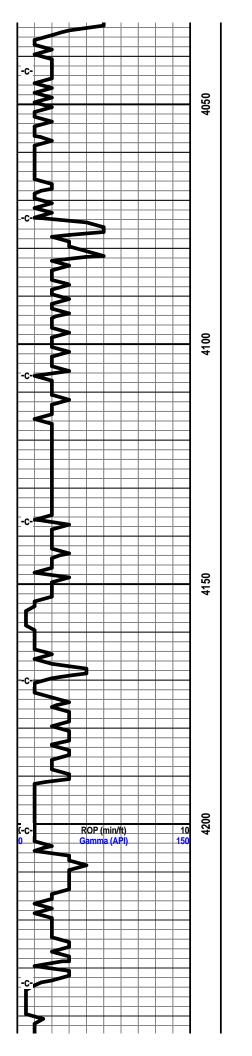
CREWS

H2 Drilling Rig #3
Tool Pusher - Randy Smith
Drillers - Gary Axtell
Luis Marquez
Cain Charles









April 7, 2011 4665' @ 7:00 am April 8, 2011 5008' @ 7:00 am April 9, 2011 5150' @ 7:00 am Preparing to run surface casing.

