

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

1214284

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 #	API No. 15		
Name:	Spot Description:		
Address 1:	SecTwpS. R 🗌 East 🗌 Wes		
Address 2:	Feet from		
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 #	GPS Location: Lat:, Long:		
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)		
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84		
Purchaser:	County:		
Designate Type of Completion:	Lease Name: Well #:		
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:		
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet		
Operator:	If Alternate II completion, cement circulated from:		
Well Name:	feet depth to:w/sx cmt.		
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 #:	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:		
☐ ENHR Permit #: ☐ GSW Permit #:	Operator Name:		
GSW Permit #:	Lease Name: License #:		
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	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:				

Sec Twp S. R East West County:	erator Name:		Lease Name:			Well #:	
open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recover 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 files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF). Drill Stem Tests Taken	TwpS. R	_	County:				
files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF). Drill Stem Tests Taken	n and closed, flowing and shut-in p	ssures, whether shut-in pre	essure reached stati	c level, hydrosta	tic pressures, bott		
(Attach Additional Sheets) Samples Sent to Geological Survey				gs must be ema	iled to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Samples Sent to Geological Survey Cores Taken Electric Log Run Yes No Yes No Yes No		Yes No			on (Top), Depth an		
Electric Log Run Yes No	nples Sent to Geological Survey	Yes No	Name	Э		Тор	Datum
List All E. Logs Run:							
	All E. Logs Run:						
CASING RECORD New Used Report all strings set-conductor, surface, intermediate, production, etc.					on etc		
Size Hele Size Casing Weight Setting Tune of # Seeks Time and Person	Size Hole	· -		· · · · · · · · · · · · · · · · · · ·		# Sacks	Type and Percent
Purpose of String Drilled Set (In O.D.) Lbs. / Ft. Depth Cement Used Additives							
ADDITIONAL CEMENTING / SQUEEZE RECORD		ADDITIONAL	L CEMENTING / SQU	EEZE RECORD	I		
Purpose: Perforate Protect Casing Plug Back TD Depth Top Bottom Type of Cement # Sacks Used Type and Percent Additives # Sacks Used Type and Percent Additives	Perforate Top Bottom Protect Casing	Type of Cement	# Sacks Used		Type and P	ercent Additives	
Plug Off Zone							
Did you perform a hydraulic fracturing treatment on this well? Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip questions 2 and 3) (If No, skip question 3) Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip question 3)	s the volume of the total base fluid of the	ydraulic fracturing treatment ex		Yes	No (If No, ski	p question 3)	
Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth							d Depth
				(,		ona essay	Sop
TUBING RECORD: Size: Set At: Packer At: Liner Run: Yes No	BING RECORD: Size:	Set At:	Packer At:	Liner Run:	Yes No		
Date of First, Resumed Production, SWD or ENHR. Producing Method: Flowing Pumping Gas Lift Other (Explain)	e of First, Resumed Production, SWD o			Gas Lift □ ∩	Other (Explain)		
Estimated Production Per 24 Hours Oil Bbls. Gas Mcf Water Bbls. Gas-Oil Ratio Gravity	=					as-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:	DISPOSITION OF GAS:		METHOD OF COMPLE	TION		PRODI ICTIO	ON INTERVAL:
Vented Sold Used on Lease Open Hole Perf. Dually Comp. (Submit ACO-4) (If vented, Submit ACO-18.)	Vented Sold Used on Le		Perf. Dually	Comp. Cor		THODOGIN	ZIVIIVI EI IVAE.

Form	ACO1 - Well Completion
Operator	Wood Energy, Inc.
Well Name	Mohler 2-1
Doc ID	1214284

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface Pipe	12.25	8.625	23	520	Lite Common	250	

ALLIED OIL & GAS SERVICES, LLC 063349 Federal Tax I.D. #20-8651475

REMIT TO P.O. BOX 93999	SERVICE	E POINT:
SOUTHLAKE, TEXAS 76092	OERTICI	D.111 1
		Cloppley 1/3
DATE 7/4/14 SEC. TWP. RANGE 33	ALLED OUT ON LOCATION 10	B START TOB FINISH
LEASE MONLEY WELL # 2 - / LOCATION S. E.S.		DUNTY STATE
	hallow Waster All 70 Si	ott 12
OLD ORNEW (Circle one) 2W 1/125 E	ato	
CONTRACTOR Marker 22 TYPE OF JOB 2006	OWNER Some	
HOLD GIGG. AND A CONTRACT OF THE CONTRACT OF T		
HOLE SIZE 61/4 T.D. 520 CASING SIZE 61/2 DEPTH 530	CEMENT	
	AMOUNT ORDERED/50 CT 6	Che Lover 0 20000
TUBING SIZE DEPTH	14 FloSeal	The stripe of the
DRILL PIPE DEPTH	100 con 371CC	
TOOL DEPTH		
PRES. MAX MINIMUM	COMMON_180 @	1300 13000
MEAS, LINE SHOE JOINT 42.13	POZMIX @	1370
CEMENT LEFT-IN CSG. 42 113	GEL @	
PERFS.	CHLORIDE 624 115 @	110 741
DISPLACEMENT 30.44	400	
EQUIPMENT		- 20 - 02
	ALW Type Cleary A 1905/10	19 = 2982 -
PUMPTRUCK CEMENTER Has RUCO	 @.	
# 1888) HELPER KILL RILL	Flo Seel 38/6 @	2-11/200
BULK TRUCK	1 1 10	
# 891 DRIVER Juan / TCS)	1 MINION /NOW	5.606.2
BULK TRUCK		
# DRIVER		VID 64
	HANDLING 228 @	1910
1	MILEAGE TONALLE	1646
REMARKS:	, , , , , , , , , , , , , , , , , , , ,	TOTAL
In Cay Counter por Cevent, Displace Count		TOTAL
	SERVICE	
Shortin Flow Did NOT Clase	SERVICE	20
Short Flore Did pot Close	DEPTH OF JOB 5	20
	DEPTH OF JOB	20
Short Flore Did pot Close	DEPTH OF JOB 50 PUMP TRUCK CHARGE EXTRA FOOTAGE @	15/25
Short or Flow Did pot Class	DEPTH OF JOB 50 PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE 500 @	20 15/2 25 20 185 au
Short or Flow Did pot Class	DEPTH OF JOB	20 15/2 25 20 185 au 215 au
Short Flore Did pot Close	DEPTH OF JOB 50 PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE 500 @	20 15/2 25 20 185 au 444 220
Sheetin Flort Dry ADT Close Consort Doch Cornelosle. Touther Hay Trest, Min	DEPTH OF JOB SOPERIOR OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE SOPERIOR OF JOB PUMP TRUCK CHARGE @ MANIFOLD @ Compared to the light of the l	20 15/2 25 20 185 au 444 220
Short or Flow Did pot Class	DEPTH OF JOB SOPERIOR OF JOB PUMP TRUCK CHARGE EXTRA FOOTAGE @ MILEAGE SOPERIOR OF JOB PUMP TRUCK CHARGE @ MANIFOLD @ Compared to the light of the l	20 15/2 25 20 185 au 444 220
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Sheetin Floor Day ADT Close Consort Dad Cornelate The Har Turit, Him CHARGE TO: Woods Everyy STREET	SERVICE DEPTH OF JOB	
Shestin Flort Dry ADT Close Consort Abel Cornelate The Kin Hay Trest, Heir CHARGE TO: Woods Energy STREET CITY STATE ZIP	SERVICE DEPTH OF JOB	
Sheetin Floot Dry ADT Close Consort Abel. Cornelode. The Har Tuest, Heir CHARGE TO: Woods Energy STREET. CITY	SERVICE DEPTH OF JOB	
Sheetin Floot Dry ADT Close Consent Abel. Conclode. The Han Tuest, Main CHARGE TO: Woods Energy STREET CITY STATE ZIP To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment	SERVICE DEPTH OF JOB	
Shortin Flort Dry ADT Close Consort Abol. Granfords. The Hay That Here STREET. CITY. STATE ZIP. To: Allied Oil & Gas Services, LLC. You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or	SERVICE DEPTH OF JOB	
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Shortin Flort Dry ADT Close Consert Abel. Granforto. The Karl Heir Hong Trust, New CHARGE TO: Made Every y STREET CITY STATE ZIP To: Allied Oil & Gas Services, 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	SERVICE DEPTH OF JOB	UIPMENT 1522 147 25 151 252 151 252 152 152 152 152 152
CHARGE TO: Wards Every STREET CITY STATE ZIP To: Allied Oil & Gas Services, 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	SERVICE DEPTH OF JOB	UIPMENT 1500 44) 650 1310000 131000 131000 131000 131000 131000 131000 131000 131000 1310000 1310000 1310000 1310000 1310000 131000 131000 131000 131000 131000 131000 131000 131000 1310000 1310000 1310000 1310000 1310000 1310000 1310000 1310000 13100000 1310000 1310000 1310000 1310000 1310000 1310000 1310000 13100000 1310000 1310000 1310000 13100000 13100000 13100000 1310000000 13100000 13100000 131000000 131000000 1310000000 13100000000
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CHARGE TO: Wards Every STREET CITY STATE ZIP To: Allied Oil & Gas Services, 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	SERVICE DEPTH OF JOB 50 PUMP TRUCK CHARGE 6 EXTRA FOOTAGE 6 MILEAGE 50 MANIFOLD 6 (1805/005) PLUG & FLOAT EQUATION 6 1- Judger 6 (1800/005) SALES TAX (If Any) 7 TOTAL CHARGES 100 0055	UIPMENT 150 44 20 13 10 10 10 10 10 10 10 10 10 10 10 10 10
CHARGE TO: Woods Every STREET CITY STATE ZIP To: Allied Oil & Gas Services, 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. PRINTED NAME	SERVICE DEPTH OF JOB	UIPMENT 150 44 20 13 10 10 10 10 10 10 10 10 10 10 10 10 10
CHARGE TO: Wads Every STREET CITY STATE ZIP To: Allied Oil & Gas Services, 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.	SERVICE DEPTH OF JOB 50 PUMP TRUCK CHARGE 6 EXTRA FOOTAGE 6 MILEAGE 50 MANIFOLD 6 (1805/005) PLUG & FLOAT EQUATION 6 1- Judger 6 (1800/005) SALES TAX (If Any) 7 TOTAL CHARGES 100 0055	UIPMENT 150 44 20 13 10 10 10 10 10 10 10 10 10 10 10 10 10

ALLIED OIL & GAS SERVICES, LLC 063258

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999 SOUTHLAKE, TEXAS 76092 SERVICE POINT: Ogklevike

								•	- 2
DATE 7-12-14	SEC.	TWP.	RANGE 33	CA	LLED OUT	ON LOCATIO	N JOBS	TART SCAM	JOB FINISH 3 XOAY
LEASE Mobiles	WELL#	2 (LOCATION <	ka Hou	1004070	Rd70)24	COUN	TY	STATE
OLD OR NEW (Circ			1/25 8			20/0/2-	21.20		
				- <u> </u>	<u>C</u>				
CONTRACTOR /4 TYPE OF JOB		V#:	2.2		OWNER 3	ame			
HOLE SIZE	77/	T.D.	4780	>	CEMENT				
CASING SIZE		DEP			AMOUNTO	RDERED 23	0565	6014	10702490
TUBING SIZE		DEP			gel 1/2		<u>۹ (</u>		
DRILL PIPE TOOL		DEP							<u> </u>
PRES. MAX		DEP	IMUM		COMMON				
MEAS. LINE			E JOINT		DOCK (IV)				
CEMENT LEFT IN	CSG.	OHC	L JOIN 1		GEL _				
PERFS.					CHLORIDE		@		
DISPLACEMENT					ASC		@		
	EOUI	IPMENT				c 2500	<u>发</u> @ <u>/</u> 3	~92	473000
	DQU.				F10-5		垂@ 2		18414
PUMPTRUCK C	EMENTE	D Vol	veabe	\ 			1.0~		
			e MCGL		11/5-70	<u>sijejy lo</u>	对@		4 414.14
BULK TRUCK	ICCI CIX (with H	E /VIGERA	200					.
	RIVER	THEN	M (Two	ر (ج		199023	<u> </u>		-
BULK TRUCK		1011117	(() ()			* *	<u></u>		<u> </u>
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50@ 2170 80 @ 1260 50 @ 540 20 @ 60 30 RH 20 MH		Kc	llydcrea	2)	PUMPTRUC EXTRA FOO MILEAGE	OB CK CHARGE TAGE M\ HV 50		770	1250 E
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50@ 2170 80 @ 1240 50 @ 540 20 @ 60 30 RH 20 MH CHARGE TO: 400 STREET CITY To: Allied Oil & G You are hereby req	STA	En es (TIP	nent	PUMPTRUC EXTRA FOO MILEAGE	OB O	2 @ Z @ Z @ Z @ Z OAT EQU.	770 140 TOTAL	1250°C
CHARGE TO: 402 To: Allied Oil & G You are hereby req and furnish cement contractor to do we done to satisfaction	STA	En es (ZIP	nent or was	PUMPTRUC EXTRA FOO MILEAGE	OB O	2 @ Z @ Z @ Z @ Z OAT EQU.	770 740 TOTAL	1250°C
CHARGE TO: 402 To: Allied Oil & G You are hereby requand furnish cement contractor to do we	STA	En es (ZIP	nent or was	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB	2 @ Z @ Z @ Z @ Z OAT EQU.	770 140 TOTAL	1250°C
CHARGE TO: 402 To: Allied Oil & G You are hereby req and furnish cement contractor to do we done to satisfaction	STA	es, LLC. orent cemelper(s) to listed. The understar	ZIP	nent or was t or RAL	PUMPTRUC EXTRA FOO MILEAGE	OB	2 @ Z @ Z @ Z @ Z OAT EQU.	770 140 TOTAL	1250°C
To: Allied Oil & G You are hereby req and furnish cement contractor to do we done to satisfaction contractor. I have	STA	es, LLC. orent cemelper(s) to listed. The understar	ZIP	nent or was t or RAL	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB O	2 @ Z @ Z @ Z @ Z OAT EQU.	770 140 TOTAL	1250°C
CHARGE TO: 402 To: Allied Oil & G You are hereby requand furnish cement contractor to do we done to satisfaction contractor. I have TERMS AND COI	STA	es, LLC. orent cemelper(s) to listed. The understar	ZIP	nent or was t or RAL	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD SALES TAX	OB	2 @ Z @ Z @ Z @ Z OAT EQU.	TOTAL	1250 CD
To: Allied Oil & G You are hereby req and furnish cement contractor to do we done to satisfaction contractor. I have	STA	es, LLC. orent cemelper(s) to listed. The understar	ZIP	nent or was t or RAL	PUMP TRUCE EXTRA FOO MILEAGE MANIFOLD	OB	2 @	TOTAL	1250°C



DRILL STEM TEST REPORT

Wood Energy Inc.

P.o Box 828

2-20s-33w Scott Co. KS.

Mohler #2-1

Tester:

Unit No:

Job Ticket: 57703

DST#: 1

ATTN: Tom Pronold

Mount Vernon IL 62864

Test Start: 2014.07.08 @ 22:40:00

GENERAL INFORMATION:

Formation: LKC "E-F"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:29:40 Time Test Ended: 06:51:09

Interval: 4106.00 ft (KB) To 4150.00 ft (KB) (TVD)

Total Depth: 4150.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Initial)

Will MacLean

72

Reference Elevations:

2971.00 ft (KB)

2959.00 ft (CF) KB to GR/CF: 12.00 ft

Serial #: 8674 Inside

Press@RunDepth: 307.16 psig @ 4107.00 ft (KB) Capacity: 8000.00 psig

 Start Date:
 2014.07.08
 End Date:
 2014.07.09
 Last Calib.:
 2014.07.09
 2014.07.09

 Start Time:
 22:40:00
 End Time:
 06:51:09
 Time On Btm:
 2014.07.09 @ 00:29:10

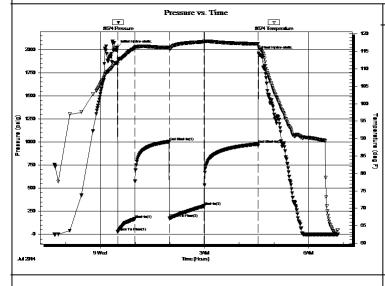
 Time Off Btm:
 2014.07.09 @ 04:33:39

TEST COMMENT: IF- Weak Surface Blow Built to BOB in 21 3/4min

ISI- No Blow

FF- Weak Surface Blow Built to BOB in 29min

FSI- No Blow



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	2025.97	111.85	Initial Hydro-static
1	27.12	111.41	Open To Flow (1)
30	166.80	115.95	Shut-In(1)
90	1003.90	116.07	End Shut-In(1)
91	173.07	115.67	Open To Flow (2)
151	307.16	117.75	Shut-In(2)
244	977.59	117.16	End Shut-In(2)
245	1956.96	116.29	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
236.00	MCW 11%m 89%w	1.16
126.00	MCW 4%m 96%w	1.77
189.00	MCW 16%m 84%w	2.65
103.00	MCW 47%m 53%w with a Couple Oil	S _I 1.44

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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DRILL STEM TEST REPORT

FLUID SUMMARY

DST#: 1

Wood Energy Inc. 2-20s-33w Scott Co. KS.

P.o Box 828

Mount Vernon IL 62864 Job Ticket: 57703

ATTN: Tom Pronold Test Start: 2014.07.08 @ 22:40:00

Mohler #2-1

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: 28500 ppm

Viscosity: 63.00 sec/qt Cushion Volume: bbl

Water Loss: 7.00 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 2200.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
236.00	MCW 11%m 89%w	1.161
126.00	MCW 4%m 96%w	1.767
189.00	MCW 16%m 84%w	2.651
103.00	MCW 47%m 53%w with a Couple Oil Spot	s 1.445

Total Length: 654.00 ft Total Volume: 7.024 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW is .251 @ 65f = 28500

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