

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1147858

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:	
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from Cast / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	
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	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used?
OG GSW Temp. Abd.	If yes, show depth set: Feet
CM (Coal Bed Methane)	If Alternate II completion, cement circulated from:
Cathodic Other (Core, Expl., etc.):	feet depth to:w/sx cmt
If Workover/Re-entry: Old Well Info as follows:	
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	Chloride content: ppm Fluid volume: bbls
	Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	On and the Name
Dual Completion Permit #:	Operator Name:
□ SWD Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSecTwpS. R East West
GSW Permit #:	County: Permit #:
Spud Date or Recompletion Date Date Reached TD Completion Date or 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	1147858
Operator Name:	Lease Name:	Well #:
Sec TwpS. R East _ West	County:	

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken (Attach Additional Shee	ets)	Yes No		Log Fo	ormation (Top), Depth ar	nd Datum Top	Sample
Samples Sent to Geologic	cal Survey	Yes No		Name		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted El (If no, Submit Copy)	ectronically	☐ Yes ☐ No ☐ Yes ☐ No ☐ Yes ☐ No)				
List All E. Logs Run:							
		CAS		New U	sed		
		Report all strings	set-conductor, surfac	e, intermediate,	production, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Sett Dep		# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: —— Perforate	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Protect Casing Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated					e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	r At:	Liner R	un:	No	
Date of First, Resumed P	Producti	on, SWD or ENHF	₹.	Producing N	1ethod:	ping	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
DISPOSITION OF GAS: METHOD OF CO			OF COMPLE	TION:		PRODUCTION INT	ERVAL:			
		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)				
(If vented, Submit ACO-18.) Other (Specify)										

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

JOhnson County, KS Well: Mackey # 11 Lease Owner: D Z

Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400 5/15/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
8	Soil-Clay	8
13	Sandstone	21
1	Lime	22
24	Sand and Sandy Shale	46
19	Shale	65
4	Lime	69
8	Sand and Sandy Shale	77
15	Lime	92
9	Shale	101
9	Lime	110
8	Sand and Sandy Shale	118
18	Lime	136
20	Shale	156
17	Lime	173
9	Shale	182
59	Lime	241
19	Shale	260
8	Lime	268
, 7	Sandy Shale	275
14	Shale	289
6	Lime	295
4	Shale	299
9	Lime	308
35	Shale	343
2	Lime	345
10	Shale	355
26	Lime	381
8	Shale	389
23	Lime	412
4	Shale	416
4	Lime	420
6	Shale	426
6	Lime	432
4	Shale	436
8	Sand	444
10	Sandy Shale	454
64	Shale	518
17	17 Sandy Shale	
7	Shale	542
8	Sand	550

JOhnson County, KS Well: Mackey # 11 Lease Owner: D Z

Town Oilfield Service, Inc. (913) 837-8400

Commenced Spudding: 5/15/2013

53	Shale	603
6	Lime	609
3	Shale	612
4	Lime	616
6	Shale	622
8	Lime	630
5	Sand	635
9	Shale	646
3	Lime	649
7	Shale	656
5	Lime	661
4	Shale	665
2	Lime	667
34	Shale	701
2	Lime	703
5	Shale	708
2	Lime	710
9	Sand	719
8	Sandy Shale	727
49	Shale	776
5	Broken Sand	781
10	Sandy Shale	791
15	Lime	806
3	Shale	809
9	Shale	818
, 9	Sandy Shale	827
19	Shale	846
11	Sandy Shale	857
35	Shale	892
1	Sandy Lime	893
11	Core	904
10	Sandy Shale	914
66	Shale	980-TD

Core	
	893
Sandy Lime	895
Sand	902
Broken Sand	904
	Sandy Lime Sand

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Short Cuts

BBLS. (42 gal.) equals D²x.14xh D equals diameter in feet. h equals height in feet.

BARRELS PER DAY Multiply gals. per minute x 34.2

HP equals BPH x PSI x .0004 BPH - barrels per hour PSI - pounds square inch

TO FIGURE PUMP DRIVES

* D - Diameter of Pump Sheave * d - Diameter of Engine Sheave SPM - Strokes per minute RPM - Engine Speed R - Gear Box Ratio *C - Shaft Center Distance

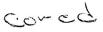
D - RPMxd over SPMxR d - SPMxRxD over RPM SPM - RPMXD over RxD R - RPMXD over SPMxD

BELT LENGTH - 2C + 1.57(D + d) + $\frac{(D-d)^2}{4C}$ * Need these to figure belt length

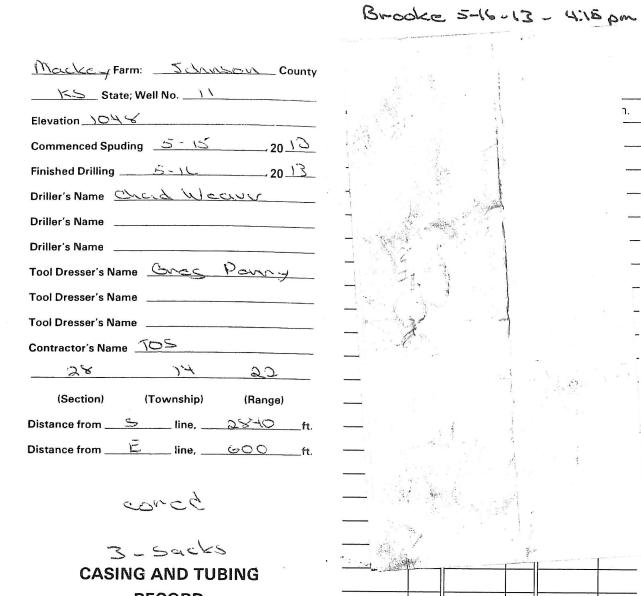
TO FIGURE AMPS: WATTS = AMPS VOLTS 746 WATTS equal 1 HP

Log Book

Well No. <u> </u>		
Farm	chey	
(State)	3	<u>3450 m</u> (County)
<u>ఎ.</u> (Section))ं-\ (Township)	<u> </u>
For <u>0E</u> .	<u>Exploredic</u> (Well Owner)	>~

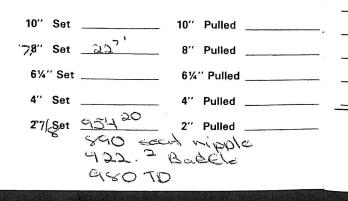


Town Oilfield Services, Inc. 1207 N. 1st East Louisburg, KS 66053 913-710-5400



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RECORD



Thickness of Strata	Formation	Total Depth	Remarks
Y	30.1/cluy	5	
13	sendstone	21	
	Lime	22	
2:-1	send teanly style	- 46	
39	shale	65	
14	1,000	69	
	sand+ sudythal	- 77	-
15	Lime	92	
9	shale	101	Ocrew
9	Lime	110	
- 5	send+ sand stril	6118	
15	Lime	136	
<u> </u>	shale	156	
<u> </u>	Lime	173	
- 9	should	182	
59_	Linc	241	· .
19	shale	260	
	Lime	264	
	eard, she ic	215	
11	shale	239	
, <u>(</u>	Lime	295	
	shale	299	
9	Lime	305	
35	shale	343	
2	Line	345	
10	shale	355	
26	-2-	321	-3-

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		381	
Thickness of Strata	Formation	Total Depth	Remarks
يخ	Shale	389	
23	Lime	412	
4	shale	HIL	_
Ϋ́	Lime	420	
Ġ	shale	426	_
6	Lime	432	- Hantha
4	shale	436	
5	send	イント	
ŶΟ	sandysiale	454	
64	shale	518	
17	sondy shale	535	
7	shale	542	_
S S	sund	550	· · ·
53	shale	50-	_
٢	Lime	609	
3	shale	612	
14	Limedshale	616	
5	shale	622	
<u> </u>	Lime	630	
.5	sand	635	
, <i>c</i> i	shale	646	
Č,	Lime	6:19	
?	shale	656	
5	Lime	<u> </u>	
Ŀ'	Sharle	115	
2	Lime	667	red bed - 672
34	shale	-01	
	-4-		-5-

-5-

Thickness of	Formation	Total	Remarks
Strata	Lime	Depth	
6	shale	202	1
2	Limed send	710	
9	send	719	
y	sund & shale	127	
49	shale	776	
0)	Brokensund	751	odow, yory 1.4410 oil
10	sendyshale	7011	
15	shalle	506	
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Lime	804	
વ	shale	515	
9	sandy shalle	527	
19	shale	346	
))	sendy shale	\$57	
35	shale	392	
)	indy lime	593	lio Min mobo
)/	core	904	ouse X
00	sandy shale	914	
66	shale	980	TD
,			
<u> </u>	-6-		-7-

Thickness of	Formation	Total	Remarks
Strata	Furnation	Depth	
2	Endy Luna	845	
7	sind	302	oil sand
2	Brokensend	010'H	with joil
		5	•
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Oil Well Services, LLC	Concolidated Oil Wall Comission	LLC MAIN OFFICE P.O. Box 884 Chanute, KS 66720 620/431-9210 • 1-800/467-8676 Fax 620/431-0012			
INVOICE		Invoice # 258919			
======================================	Terms: 0/0/30,n/30				
		Page 1			
D.E. EXPLORATION MACKEY #11 DOUG EVANS 41909 P.O. BOX 128 28-14-22 WELLSVILLE KS 66092 05-16-2013 (785)883-4057 KS					
=======================================	=======================================				
1118B     PREMIU       1111     SODIUI       1110A     KOL SI       1401     HE 100	POZ       CEMENT       MIX       1         IM       GEL       /       BENTONITE       2         I       CHLORIDE       (GRANULA       2	Qty Unit PriceTotal17.0011.50001345.5097.00.220065.3446.00.390095.9435.00.4600269.10.5047.250023.631.0029.500029.50			
Description 369 80 BBL VACUUM TRUCK 510 MIN. BULK DELIVERY 666 CEMENT PUMP 666 EQUIPMENT MILEAGE (ON 666 CASING FOOTAGE	CEMENT) E WAY)	Hours Unit PriceTotal2.0090.00180.001.00368.00368.001.001085.001085.0030.004.20126.0054.00.00.00			

Parts:	1829.01	Freight:	.00	Tax:	137.64	AR		3725.65
Labor:	.00	Misc:	.00	Total:	3725.65			
Sublt:	.00	Supplies:	.00	Change:	.00			

Signed

BARTLESVILLE, OK 918/338-0808

PONCA CITY, OK 580/762-2303 OAKLEY, KS 785/672-8822 OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

Date

GILLETTE, WY 307/686-4914 CUSHING, OK 918/225-2650

	CONSOLIDATED Oli Well Services, LLC
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258919

			FUREMAN CA	sey Kenned	l m	
PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676	FIELD TICKET & TRE		ORT			
DATE CUSTOMER #	CEME	ENT				
COSTOMER#	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY	
5/16/13 2355	Mackey # 11	NE28	14	22		
DE La davert	/				<u> </u>	
MAILING ADDRESS		TRUCK #	DRIVER	TRUCK #	DRIVER	
PO BOK 128		481	asken			
		Cleb	Gartos			
1 . 10		510	SetTuc			
		369	DerHas			
1 / 1000	LE SIZE 578" HOLE DEP	тн <u>980'</u>	CASING SIZE & W	EIGHT 27/0	"CIE	
	LL PIPE <del>TUBING_</del>	beffle - 92:	וו	OTHER	eve	
	JRRY VOL WATER ga	l/sk				
DISPLACEMENT 5.34 DISPLACEMENT PSI MIX PSI RATE 4.5 bom						
REMARKS: hold safety une	eting, established sircu	lation mix	edt owno	4 1/ 1	51	
mixed + pumped 100 5	# Premion Gol LI		a 112 M	12 gcl	Polymer,	
+ punped 117 sto 30/50 Posmix cenert w/ 2% all 5% with to the						
per Sk, cement to	surface, Ausherl our	no clean	, , , , , , , , ,	y + 5 #	t Folseal	
to baffle w/ 5.34 E	Ile della della persona	used to the	Delige )	Ta rubber		
In casing.	A.S. , [J.C.S.	0.00 10 000	p PST, relea	sed pressur	e, shut	
			<u> </u>	$\sim$		

TICKET NUMBER 419 LOCATION OHans KS FOREMAN Casey Kenned

1909

ACCOUNT				
CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	30 mi	MILEAGE		1085,000
5402	954'	asing too tage		126.00
5407	minimum	tou mileage		
5502 C	2 hrs	80 Vac		368.00
		00 000		180,00
	····			
1124	117 stes	5950 Poznix cement		
11188	297 #	Preminun Gel		1345.50
illi				65.34
		Salt		95,94
1401	585 #	KelSeel		269.10
4402	1/2 gal	Polymer		23.63
4700		21/2"rubber plus	other and the second second	29.50
				Infind
avin 3737			SALES TAX	137.64
			ESTIMATED	27754
UTHORIZTION_	No Co. Repor loca	tion TITLE	TOTAL	2+23.65
			DATE	

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