

Kansas Corporation Commission Oil & Gas Conservation Division

1147822

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
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 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 TwpS. R
☐ ENHR Permit #: ☐ GSW Permit #:	County: Permit #:
Spud Date or 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 Approved by: Date:					

Side Two

1147822

Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geo	logical Survey	Yes	No		Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually ((Submit AC		nmingled mit ACO-4)			

Johnson County, KS Town Oilfield Service, Inc.
Well: Mackey 3 (913) 837-8400 Commenced Spudding: 5/10/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
10	Soil-Clay	10
12	Sandstone	22
14	Shale	36
2	Lime	38
25	Shale	63
7	Lime	70
4	Shale	74
14	Lime	88
9	Shale	97
8	Lime	105
9	Sandy Shale	114
16	Lime	130
10	Shale	140
9	Sand and Sandy Shale	149
17	Lime	166
9	Sand and Sandy Shale	175
57	Lime	232
20	Shale	252
, 8	Lime	260
10	Sandy Shale	270
7	Shale	277
8	Lime	285
5	Shale	290
9	Lime	299
33	Shale	332
1	Lime	333
12	Shale	345
25	Lime	370
7	Shale	377
23	Lime	400
4	Shale	404
4	Lime	408
5	Shale	413
7	Lime	420
6	Shale	426
7	Sand	433
9	Sandy Shale	442
63	Shale	505
15	Sandy Shale	520
14	Shale	534

Johnson County, KS Town Oilfield Service, Inc. Well: Mackey 3 (913) 837-8400 Commenced Spudding: 5/10/2013 Lease Owner: DE Exploration

9	Sand	543
51	Shale	594
5	Lime	599
4	Shale	603
3	Lime	606
6	Shale	612
6	Lime	618
3	Sandy Shale	621
13	Shale	634
3	Lime	637
7	Shale	644
3	Lime	647
6	Shale	653
2	Lime	655
29	Shale	684
2	Lime	686
3	Shale	689
2	Sand and Lime	691
13	Sand	704
10	Sandy Shale	714
48	Shale	762
4	Broken Sand	766
7	Sandy Shale	773
16	Shale	789
4	Lime	793
, 6	Shale	799
6	Sand	805
32	Shale	837
5	Sand	842
3	Sandy Shale	845
32	Shale	877
0.5	Sandy Lime	877.5
12.5	Core	890
7	Sandy Shale	897
63	Shale	960-TD
	· · · · · · · · · · · · · · · · · · ·	

Core					
		877.5			
2	Sand & Lime	879.5			
9	Sand & Lime	888.5			
1.5	Broken Sand	890			
-					
	l	1			

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Short Cuts

TANK CAPACITY

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

746 WATTS equal 1 HP

Log Book

Well No.		
Farm	ckey	4 3 4 5 5 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
(State)	2.5	(County)
(Section)	(Township)	(Range)
For DE	(Well Owner)	, voi
,	(weil Owlier)	Þ

Town Oilfield Services, Inc.

coned

1207 N. 1st East Louisburg, KS 66053 913-710-5400

Mackey Farm: Johnson County	
大 S State; Well No 3	
Elevation 10'-\ C(
Commenced Spuding 5-10 2013	
Finished Drilling 5-1:4 20 13	
Driller's Name aled Wacou.	<u> </u>
Driller's Name	
Driller's Name	-
Tool Dresser's Name	. -
Tool Dresser's Name	
Tool Dresser's Name	
Contractor's Name TOS	
32 14 22	
(Section) (Township) (Range)	
Distance from line,ft.	
Distance from line,ft.	
coned	
3 Sacks	
CASING AND TUBING	
, RECORD	
· .	
10" Set 10" Pulled	
78" Set <u> </u>	
6%" Pulled 4" Set 4" Pulled 2" Set 2" Pulled	
27 Set 935 2" Pulled	-1-
8 14 SEC-1 11 BIB16	-1-
906.5Badela 900.5Badela	

Thickness of	Formation	Total	1
Strata		Depth	Remarks
70	soil day	10	
1,5	en-latone	37	-
1,14	shale	.3(_	_
	Lime	38	_
_25	shale	63	
	Lime	70	
	Shale	734	
14	Time -	88	
_ 9	Shoile	97	- Daw-K
8	rime	105	- Dav K
q	acrid 13/10/10	114	- with some said
16	Lime	130	- WITH SONIE SCITO
	shele	140	
_ 9	sand+ sad whole		
۲(1-ivve	166	
cq	Couds and she		
_57	Lime	222	
50	shorte	323	
_ ર્જ	Lime	260	
10	3/2012/12/10/10	270	
7	shale	277	
~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Linge	かくら	
5	shale	290	
્	Lima	बेल <i>े</i>	
33	shale	332	
Ì	Lime	233	
12	Shorte	345	
	-2-		

71.1		345 Total	_
Thickness of Strata	Formation	Total Depth	Remarks
_25	Living	370	
7	shorte	:377	
_3	Linge	200	
F	sher/e	404	
	Live	408	
5	shale	413	
	Lime	420	Hardhe,
(_	Sherle	'42C	1 1001 00 41001
	sand	433	Alice of the Cail
9	sadrehale	71.10	7, 16 61
43	shorte	EOS	
	shortspere	520	
<u> </u>	Shala	534	
9	sould	543	
51	shorte	594	
5_	Live	599	
	shoola	603	
_3) ime	60C	
(c	shale	612	
(e.	Lime	C18	
, 3	sendysmale	(21	
13	Sheile	6.3.4	
3	とうがく と	(37	
٠	sheale	C44.	
3	Livine	C47	
L	Sherle	453	
2	13776	455	
	1/		

-5-

		C 55	•
Thickness of Strata	Formation	Total Depth	Remarks
201	shele	684	red wed-'cch- cic
- 3	Livie	686	
-3	shoile	080	
	sando Livre	691	
13	sond	704	she y
10	sundyelicite	-1100	
118	Sheile	762	
74	Broken sund	766	sday): the oil
	surdyelicite	773	
10	sheile	789	
<u> </u>	Lievier	743	
	should	7019	
	sand	805	energy we all
30_	5hcole	437	
5	sand	817	she, nee,
	sound ishaile	845	
32	shale	877	
5	300 4 Lime	877°	sales, estacad
12.5	core	890	page 8
_ 7	sondyshale	557	
	shale	960	TO

Thickness of Strata Total Depth Formation Remarks Ţ 9 5 890

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CONSOLIDATED Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services, LLC Dept. 970 P.O. Box 4346 Houston, TX 77210-4346 MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
Fax 620/431-0012

D.E. EXPLORATION
DOUG EVANS
P.O. BOX 128
WELLSVILLE KS 66092
(785)883-4057

MACKEY #3 39553 28-14-22 05-14-2013 KS

Part Number 1124 1118B 1111 1110A 1401	Description 50/50 POZ CEMENT MIX PREMIUM GEL / BENTONITE SODIUM CHLORIDE (GRANULA KOL SEAL (50# BAG) HE 100 POLYMER 2 1/2" RUBBER PLUG	Qty 139.00 340.00 320.00 700.00 .50 1.00	Unit Price 11.5000 .2200 .3900 .4600 47.2500 29.5000	Total 1598.50 74.80 124.80 322.00 23.63 29.50	
Description 368 CEMENT PUMP 368 EQUIPMENT MILE 368 CASING FOOTAGE 370 80 BBL VACUUM 558 MIN. BULK DELI	TRUCK (CEMENT)	Hours 1.00 30.00 938.00 2.00 1.00	Unit Price 1085.00 4.20 .00 90.00 368.00	Total 1085.00 126.00 .00 180.00 368.00	

Parts: 2173.23 Freight: .00 Tax: 163.54 AR 4095.77
Labor: .00 Misc: .00 Total: 4095.77
Sublt: .00 Supplies: .00 Change: .00

Signed

Date____



258821

TICKET NUMBER	39553
LOCATION ATTO	eway Ks
FOREMAN TIM	

FIELD TICKET & TREATMENT REPORT

O Box 884, C	hanute, KS 6673 or 800-467-8676	20 FILLD HORLE	CEMEN	TV			Locusity		
	CUSTOMER#	WELL NAME & NUM	MBER	SECTION	TOWNSHIP	RANGE	COUNTY		
DATE	COSTOWERS#	N 11 . B		NE 28	19	22	10		
05-14-13	2355	Mackey	1						
CUSTOMER	OF FUN	lovotibh		TRUCK#	DRIVER	TRUCK#	DRIVER		
L		Op. 5 (VC.)		669	Jim Gre				
MAILING ADDR	. /	128		368	Arl McD				
PC	OBOX_	ISTATE ZIP CODE		370	Kit Car				
CITY		STATE ZIP CODE	2	558	Jas Ric				
Well.	sulle	145. 6601			CASING SIZE & V	VEIGHT &	27/8		
JOB TYPE		HOLE SIZE 578	HOLE DEP	IH	CHOING OILL G.	OTHER			
CASING DEPTI	for an Park	DRILT PIPE 906	TUBING						
SLURRY WEIG		SLURRY VOL	_URRY VOL WATER gal/sk			CEMENT LEFT in CASING			
DISPLACEMENT PSI MIX PSI				RATE					
	italet co	ew meeting &	=srub/	sh circui	a tion , m	nix and	pang		
REMARKS:	MEIU CO	the course of	voter.	Mix and	& pump 3	GAL POI	win or t		
100 -	pel wi	1 Spaces do	ump 1	39 511 54	to poem.	* Come	re wet		
End,	Elish do	E MICHAEL		culared e	ement 7	40 Surfa	CC FILL		
296/10	6 5 /201	- Seal & Born	- 2	" 11	1149 40		derch o		
pump	clear of		20 22	T WELL	red and	1	floot.		
Casin	a. Press	ure up to d	00 /3	I well	way goo				
	7								

ACCOUNT	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CODE	DAL	PUMP CHARGE		1000.
701	, 20	MILEAGE		129
5406	938	Casing Footage		216
402	min.	Casing Footage		180 OF
5407	7 IIRS	Vac TK		180
1205C	- Land of the same			
				12983
1124	1395K	3/50 Poz Mix Cement		13 10.
11/6/2	241 H	Promium led Granulated Salt		190
11/813	320 H	Granuloged Salt		122200
1111	200 4	KDI-Seal		2363
IIOA	1/2 GAL	Polymer		29,5
1401	Dnp	25"Rubber Plug		27,00
4402		The second control of		3
		E	completor	1
			- buillipititu	
		6.7	SALES TAX	163.
			ESTIMATED	4005
vin 3737			TOTAL	1012

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.