

#### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1147877

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 III Approved by: Date:

Side Two



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 I-6 (913) 837-8400 Commenced Spudding: 5/29/2013
Lease Owner: DE Exploration

#### WELL LOG

Thickness of Strata	Formation	Total Depth
0-17	Soil-Clay	17
49	Shale	66
5	Lime	71
5	Shale	76
15	Lime	91
8	Shale	99
9	Lime	108
8	Shale	116
16	Lime	132
20	Shale	152
17	Lime	169
8	Shale	177
56	Lime	233
21	Shale	254
9	Lime	263
18	Shale	281
8	Lime	289
4	Shale	293
, 9	Lime	302
33	Shale	335
1	Lime	336
11	Shale	347
26	Lime	373
7	Shale	380
23	Lime	403
4	Shale	407
4	Lime	411
5	Shale	416
6	Lime	422
32	Shale	454
6	Sand	460
73	Sandy Shale	533
3	Shale and Lime	536
8	Sand	544
52	Shale	596
5	Lime	601
12	Shale	613
5	Lime	618
17	Shale	635
4	Lime	639

# Johnson County, KS Town Oilfield Service, Inc. Well: Mackey I-6 (913) 837-8400 Commenced Spudding: 5/29/2013 Lease Owner: DE Exploration

5	Shale	644
6	Lime	650
3	Shale	653
2	Lime	655
105	Shale	760
8	Lime	768
12	Sandy Shale	780
100	Shale	880
4	Sand	884
2	Sandy Shale	886
6	Sand	892
3	Sandy Shale	895
85	Shale	980-TD
	Griale	980-1D
		<del> </del>
,		
2 30 Pm - 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

## **Short Cuts**

TANK CAPACITY

BBLS. (42 gal.) equals D<sup>2</sup>x.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.	-6	
FarmMaa	ckey	
KS	ال ال	hason
(State)		(County)
_28	14	22
(Section)	(Township)	(Range)
For D. E.	Explosi Nell Owner)	ation
()	Well Owner)	

# Town Oilfield Services, Inc.

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

The state of the s			1年12日天20日 12日 12日 2日 1日
	Browle 4	,00 May	29 - Sulfac 3 · longstrin
•	Brooke 2	22 In	3 longstrine
Mackey Farm: John Son County  KS State; Well No. I-6		AND TUBING MEAS	
Elevation 1052	Feet In.	Feet In.	Feet In.
Commenced Spuding May 29 20 13	928.40	Barr	i-e
Finished Drilling June 13			
Commenced Spuding May 29 20 13  Finished Drilling June 3 20 13  Driller's Name Wesley Dallard	960.15	Float	
Driller's Name			24
Driller's Name			12
Tool Dresser's Name  Ryan Was of  Greg Perry  Tool Dresser's Name  Brandon Stone			
Tool Dresser's Name			
Contractor's Name			
_ ab 17 ad			
(Section) (Township) (Range)			
Distance from 5 line, 4750 ft.  Distance from E line, 755 ft.			
3 Secolos			5
12 Nrs			
12 Nrs			
CASING AND TUBING			
RECORD			
10" Set 10" Pulled			
8" Set 8" Pulled			
7 6%" Set 6%" Pulled	•		
4" Set 4" Pulled			

-1-

2" Pulled \_

2" Set \_\_\_\_\_

Thickness of		Total	
Strata	Formation	Depth	Remarks
0-17	Soil- clay	17	
49	Shale/	ide	
5	Lime	71	
5	うんなしそ	76	
	Lim.f	91	- F
S	shalf.	99	
9	Lime	108	
8	shalt	1110	
16	Lime	137	
20	Shalt treelber	152	7,
17	Lime	169	
8	Shalt	177	*
56	L.me	233	,
21	Shale	254	
eį	Lim-t	263	
18	Shelf	281	· · · · · · · · · · · · · · · · · · ·
ર્જ	Lime	विश्व	7
4	Shale	293	
9	Lime	302	
33	Lime	335	
j	Lime	336	
11	Shale	347	
26	Lime	373	
7	shale	380	
23	Lime	403	
4	shalt	407	
4	Lime	411	2)
	-2-		

		411	
Thickness of Strata	Formation	Totál Depth	
5	Shale	416	Remarks
le	Lim-e	422	Heithe
32	Shale	454	- Helthe
73	Sand	460	no 0,1
73	Sandy shalt	533	* 110 (D)
3	shale & lime	536	
3	Sinc	544	no oil
5 <u>2</u> 5	Shale	596	716 011
5	Lime	601	
12	Shale	613	
5	Lime	618	
17	Shal-e	635	
4	Lime	639	
5	Shale	644	
6	Limit	650	
3	Shal-e	653	
2	Lime	655	
105	3hale	760	660 redbed
3	Sand	76%	some shale - slight show
12	sandy shale	750	all
100	Shalle	880	
<u>4</u> 2	Sand	884	god Cil
	sandy shele	886	110 011
6	sand	892	no oil
3	saudy shale	895	no cil
85	Shale	980	TD
4			

no Oil

-4-

### 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

INVOICE

Invoice #

259347 

Invoice Date:

06/10/2013

Terms: 0/0/30, n/30

Page

D.E. EXPLORATION

DOUG EVANS

P.O. BOX 128

WELLSVILLE KS 66092

(785)883-4057

CASING FOOTAGE

MACKEY I-6

41899

28-14-22

06-03-2013

KS

			=======	========	========
Part N	lumber	Description	Otv	Unit Price	Total
1124		50/50 POZ CEMENT MIX	121.00	11.5000	1391.50
1118B		PREMIUM GEL / BENTONITE	303.00	.2200	66.66
1111		SODIUM CHLORIDE (GRANULA	254.00	.3900	99.06
1110A		KOL SEAL (50# BAG)	605.00	.4600	278.30
4402		2 1/2" RUBBER PLUG	1.00	29.5000	29.50
1401		HE 100 POLYMER	.50	47.2500	23.63
	Doggwinkian				
	Description		Hours	Unit Price	Total
	MIN. BULK DELI	VERY	1.00	368.00	368.00
	CEMENT PUMP		1.00	1085.00	1085.00
666	EQUIPMENT MILE	AGE (ONE WAY)	30.00	4.20	126.00

1888.65 Freight: .00 Tax: Parts:

Labor:

.00 Misc:

142.12 AR

3609.77

.00

666

.00 Total:

3609.77

Sublt:

960.00

.00 Supplies:

.00 Change:

Signed

Date

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-8822

OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269 GILLETTE, WY 307/686-4914

.00

CUSHING, OK 918/225-2650



259347

TICKET NUMBER	41899
LOCATION OHOUS	2,15
FOREMAN Case K	ennedia

SALES TAX **ESTIMATED** 

	hanute, KS 6673 or 800-467-8676		LD HCKE	CEMEN	IMENIKEP T	ORT	·	•
DATE	CUSTOMER#	WEL	L NAME & NUME	BER	SECTION	TOWNSHIP	RANGE	COUNTY
6/3/13	2355	Made	# 1-6	)	NE 28	14	22	10
CUSTOMER E	xploration	,			TRUCK #		湖海流 。	一 机装进机
MAILING ADDRE					481	DRIVER	TRUCK#	DRIVER
PO B	ox 158				(0/060	Casken		-
CITY	. 100	STATE	ZIP CODE	1	503	Car Moo		
wellso	ille	KS	60092			- Currer		
JOB TYPE 100	ration	HOLE SIZE	55/8"	HOLE DEPTH	980'	CASING SIZE &	WEIGHT 27/	"FUE
CASING DEPTH	960'	DRILL PIPE		TUBING ba	fe - 928		OTHER	
SLURRY WEIGH	IT	SLURRY VOL_		WATER gal/s	k	CEMENT LEFT in	CASING 3	2 '
DISPLACEMENT	5.34 bbls	DISPLACEMEN	IT PSI	MIX PSI		RATE 4.56	on	
REMARKS: Le	ld satisfy in	esting, e	stablished	circulati	on Mixes	1 + pump	od 1/2 gal	Polymer
and 100	# Premion	- 6et .	followed b	By 10 66	15 tresh w	ater mix	ed + aus	1 121
sks 5950	Paznik C	ement i	1 2%	1 5%	Salt &	5# Kals	eal per s	t. correct
to suctace	e, flushod	Pung C	Jan so	mped 2	1/2" relocer	· plus to	battle ur	5.37
bbls fresh		essurge 1	a doo P	S/L record	io lauga	accompanies of the	OMD	relocad
pressuro,	shot m	casing .	L				~	
						<del>}                                    </del>	)	
		9 - Y-vs				1 1	$\leq$	
	*			<del></del>	<del>\</del>	$\rightarrow$		
ACCOUNT			T					· · · · · · · · · · · · · · · · · · ·
CODE	QUANITY	or UNITS	DES	SCRIPTION of	SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
5401			PUMP CHARGE	<u> </u>				1085.00
5406		<u>~:</u>	MILEAGE	^ -				126.00
5402	960'		casing y	tootage				
5407	nni	nimum	Hour en	cleage				368.00
E80000								
1124	121	sks.	50/50 P	STHIR C	cement			1391.50
11183	303	#	Premiu	n Gal				66.66
All	605	#	Salt					99.06
1110A	605	#	Kal Seal					278.30
4102	1		21/2" No Polymer	lober plug				29.50
1401	1/2 99	1	Polymer					23.63
			/				-1	
						1477	1	
							Motor	

TOTAL AUTHORIZTION TITLE 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