

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION 1147878

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:
	Amount of Surface Pipe Set and Cemented at: Feet
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes No
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:	Drilling Fluid Management Dian
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 #:	Operator Name:
Dual Completion Permit #:	
SWD Permit #:	Lease Name: License #:
ENHR Permit #:	Quarter Sec Twp S. R East West
GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date 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

	Side Two	1147878
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						ement Squeeze Record I of Material Used)	Depth		
TUBING RECORD: Size: Set At: P			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.	s. Gas Mcf Wate		ər	Bbls.	Gas-Oil Ratio	Gravity	
DISPOSITIO	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION INT	ERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Dually (Submit A	Comp. AC <i>O-5)</i>	Commingled (Submit ACO-4)		
(If vented, Subr	nit ACO	-18.)		Other (Specify)						

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

Johnson County, KSTown Oilfield Service, Inc.Commenced Spudding:Well: Mackey I-9(913) 837-84005/29/2013Lease Owner: DE Exploration5/29/2013

WELL LOG

Thickness of Strata	Formation	Total Depth
6	Soil-Clay	6
14	Sandstone	20
5	Shale	25
7	Sand and Sandy Shale	32
2	Lime	34
16	Shale	50
5	Lime	55
4	Shale	59
17	Lime	76
9	Shale	85
8	Lime	93
9	Sand and Sandy Shale	102
16	Lime	118
12	Shale	130
5	Sand and Sandy Shale	135
18	Lime	153
10	Sandy Shale	163
57	Lime	220
21	Shale	241
7	Lime	248
20	Shale	268
7	Lime	275
4	Shale	279
8	Lime	287
34	Shale	321
1	Lime	322
11	Shale	333
28	Lime	361
6	Shale	367
23	Lime	390
4	Shale	394
4	Lime	398
5	Shale	403
7	Lime	410
5	Shale	415
7	Sand	422
7	Sandy Shale	429
91	Shale	520
8	Sand	528
54	Shale	582

Johnson County, KSTown Oilfield Service, Inc.Commenced Spudding:Well: Mackey I-9(913) 837-84005/29/2013Lease Owner: DE Exploration5/29/2013

5	Lime	587
6	Shale	593
2	Lime	595
6	Shale	601
6	Lime	607
6	Sand and Sandy Shale	613
11	Shale	624
3	Lime	627
7	Shale	634
4	Lime	638
4	Shale	642
3	Lime	645
29	Shale	674
2	Lime	676
3	Shale	679
2	Lime	681
10	Sand	691
10		
47	Sandy Shale Shale	701
6		748
6	Broken Sand	754
19	Sandy Shale	760
194	Shale	779
5	Lime	783
6	Shale	788
68	Sandy Shale	794
	Shale	862
2	Broken Sand	864
6	Sandy Lime	866
2	Sand	872
	Broken Sand	874
4	Sandy Shale	878
6	Sand	884
76	Shale	960-TD

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) + (D-d)² 4C

* Need these to figure belt length WATTS TO FIGURE AMPS: VOLTS 746 WATTS equal 1 HP

Log Book

Well No.______

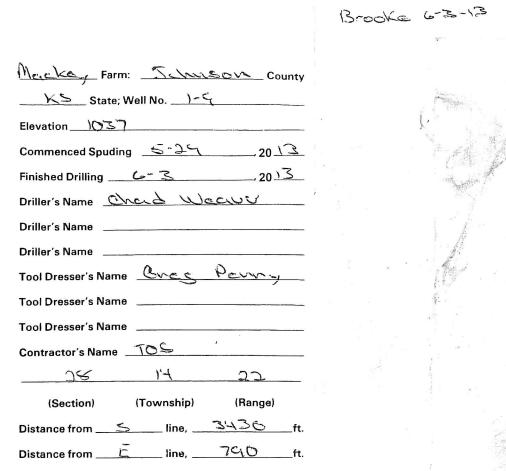
	Farm_	Macka.	1
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KS	Johnson
(State)	(County)

<u>______</u> (Section) (Township) (Range)

For DE <u>(Well Owner)</u>

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

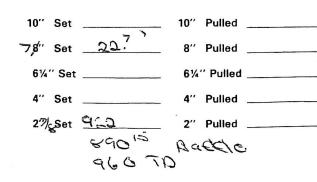


5:55 pm

-1-

ln.

4 - Sacks CASING AND TUBING RECORD



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Thickness of Strata	Formation	Total Depth	Remarks
6	soil / clay	(a)	
14	sindstone	20	
5	shale	25	
7	sind & sondystel	1232	
2	Lime	3'4	
16	shale	50	
5	Lime	55	
Ψ	shale	59	
	Lime	76	
Ci .	shale	85	
8	Lime	93	
e1 .	eard shall at same	4102	
16	Lime	118	
12	shele	130	
5	sender and shall	¢ 135	
15	Lime	153	
10	sand shale	163	
57	Lime	320	
21	shale	241	
<u>٦</u>	Lime	2:48	
20	sheile	265	
~	Line	275	
۲.	shale	279	
S.	Line	287	
34	shale	321	
	Livne	322	-
11	shale	333	

		333	
Thickness of Strata	Formation	Total [·] Depth	Remarks
28	Lime	361	
6	sheile	367	
23	Linne	390	
Ľ	shale	301:4	
26	1 ime	398	
10	shale	403	
7	Lime	1410	Hartha
U,	shale	415	
Ž	send	1427	
	sendyshale	429	· · · · · · · · · · · · · · · · · · ·
<u> </u>	shale	520	
4	sind	52.8	
54	shelle	587	
01	Lime	587	
6	shale	593	
2	Lime	595	
(2	shale	601	
G	Lime	607	
6	sendesandysmal	0613	
	shales	624	
' 3	Linne	627	5
7	shale	634	
H	Lime	638	
Ľ	shala	642	
3	Lime	645	
29		674	- 650- med bed
2	-4-	676	-5-

		676	
Thickness of Strata	Formation	Total Depth	Remarks
3	shale	679	
2	Lime	681	
10	send	691	- SNC -
10	sandy chale	701	
- 47	shale	7455	
	Brokansend	754	odan, 1:44e oil
	andy chale	760	
19	encile	フィン	
4	Limet shale	783	
5	shele	755	
6	sundietenes	201:4	
68	shale	462	
2	Brokensoud	564	
2	sundy Live	866	with oil, adon
(e	scond	872	ait sand, with bleeding
2	Buckensend	874	List oil
4	and, shale	878	ing ail
6	eand	554	no oil
76	Shelle	460	TH
,			
	-6-		-7-

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 #	259348
Invoice Date: 06/10	/2013	Terms: 0/0/30,n/3	======================================	========== Pa	=== = ===== age 1
D.E. EXPLORATIC DOUG EVANS P.O. BOX 128 WELLSVILLE KS (785)883-4057	0N 66092		MACKEY I-9 41900 28-14-22 06-04-2013 KS		
1118BPREMIUM1111SODIUM1110AKOL SEA		OZ CEMENT MIX 117.00 GEL / BENTONITE 297.00 CHLORIDE (GRANULA 246.00 L (50# BAG) 585.00 RUBBER PLUG 1.00		.3900	Total 1345.50 65.34 95.94 269.10 29.50 23.63
Description 510 MIN. BULK DELI 666 CEMENT PUMP 666 EQUIPMENT MILE 666 CASING FOOTAGE ,	AGE (ONE	WAY)	Hours 1.00 1.00 .00 922.00	Unit Price 368.00 1085.00 4.20 .00	Total 368.00 1085.00 .00 .00

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Parts:	1829.01	Freight:	.00	Tax:	137.64	AR	3419.65
Labor:	.00	Misc:	.00	Total:	3419.65		
Sublt:	.00	Supplies:	.00	Change:	.00		
	============	=================	================		=================	=====	

Signed						_ Date_		
BARTLESVILLE, OK	EL DORADO, KS	EUREKA, KS	PONCA CITY, OK	OAKLEY, KS	OTTAWA, KS	THAYER, KS	GILLETTE, WY	CUSHING, OK
918/338-0808	316/322-7022	620/583-7664	580/762-2303	785/672-8822	785/242-4044	620/839-5269	307/686-4914	918/225-2650

	259348 D TICKET & TREA CEMEN		FOREMAN	Hawa, KS	900
DATE CUSTOMER # WELL N	AME & NUMBER	SECTION	TOWNSHIP	DANOF	
64/13 2355 Markey	# I-9	NE 28	14	RANGE	
DE Exploration					
MAILING ADDRESS		TRUCK #	DRIVER	TRUCK #	DRIVER
PO Box 128		481	Casken		
	IP CODE	666	GarMon		
		510	Setter		
	6092				
JOB TYPE 1000 String HOLE SIZE 5	HOLE DEPT	H 960	CASING SIZE & W	EIGHT 27/6	"EIF
CASING DEPTH 922 DRILL PIPE	-TUBING 6	Afle - 890	N 7	OTHER	
SLURRY WEIGHT SLURRY VOL	WATER gal/s	sk	CEMENT LEFT in C	and the second s	
DISPLACEMENT 5. 15 6645 DISPLACEMENT P			RATE 4.56pm	ASING 10	
REMARKS: held safely repling of	1 11 1 1	1.	RATE IN DOM	0	0
+ 100 # 2	Hoblished circula	For, mix	to toumpe	d 1/2 gal	Polymer
CO/ The state of the state of the state	20 34 10 665	tresh wat	er, unixed	+ pumpe	d 117 ster
	gel Jasa	M, Y, S	# Kalseal	per st.	cement
to surface theshed pump clean	a, punped 2	12 " rubber	plug to b	affle w/	5.15 646
tresh water pressured to 800	PSI, released p	ressure, sh	stin cosi	~g .	
				10	
			$\overline{\mathbf{A}}$	TY	·····
				+-7-	

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PROD	UCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE			1085.00
.5406	on lease	MILEAGE			1085-
5402	922'	casing tootage			
5407_	1 minimum	ton nulleage			368.00
	-				- 500.00
1124	117 sts	Serro Pozniz cement Premium Gel		 	DUE
ILLAB	297 📲	Preside Col			1345.50
1111	246 #	Salt			65.34
ILIOA	585 #	Kol seal			95.94
4402	/	21/2" ruber dug			269.10
1401	'Sagl	Polymer	···	<u> </u>	29.50
			alaha ana ang malang		<u></u>
			18/1	famnlei e	
					ud
				a constant constant in the	
			<u></u>	SALES TAX	137.64
Ravin 3737	ę,	Λ.		ESTIMATED	1 STICI
AUTHORIZTION	Br on 24ll	1/2		TOTAL	3419 60
AUTHORIZITON_		VU TITLE		DATE	

AUTHORIZION_________UATE_______UATE______UATE______UATE______ 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.