

Kansas Corporation Commission Oil & Gas Conservation Division

1084211

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
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	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 #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or 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

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 Na	me:			_ Well #:	
Sec Twp	S. R	East West	County: _					
time tool open and clos	sed, flowing and shut s if gas to surface te	d base of formations per in pressures, whether s st, along with final chart well site report.	shut-in pressu	re reache	d static level,	hydrostatic pres	sures, bottom h	ole temperature, fluid
Drill Stem Tests Taken (Attach Additional Si	heets)	Yes No		Log	Formation	n (Top), Depth ar	nd Datum	Sample
Samples Sent to Geolo	ogical Survey	Yes No		Name			Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted (If no, Submit Copy) List All E. Logs Run:	Electronically	Yes No Yes No Yes No						
Lict / III Z. Logo i (Gr.)		OAGING	PEOODD					
		Report all strings set-	RECORD conductor, surfa	☐ New ce, interme	Used ediate, producti	on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft		Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADDITIONA	L CEMENTING	/ SQUEE	ZE RECORD			
Purpose: Perforate Protect Casing Plug Back TD Plug Off Zone			# Sacks Used Type and Percent Additives					
Shots Per Foot		PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)					d Depth	
TUBING RECORD:	Size:	Set At:	Packer At:	Li	iner Run:	Yes No)	
Date of First, Resumed F	Production, SWD or ENI	HR. Producing Met	thod:	Gas	s Lift C	ther (Explain)		
Estimated Production Per 24 Hours	Oil E	Bbls. Gas	Mcf	Water	Bl	ols.	Gas-Oil Ratio	Gravity
DISPOSITIO Vented Sold (If vented, Subr	Used on Lease	Open Hole	METHOD OF CO	OMPLETIC Dually Co Submit ACO	mp. Con	nmingled mit ACO-4)	PRODUCTIO	ON INTERVAL:

Linn County, KS Well: Querry # Q-9 Lease Owner: Thunderbolt

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

Commenced Spudding: 12/28/2011

WELL LOG

Thickness of Strata	Formation	Total Depth
0-25	Soil-Clay	25
19	Shale	44
4	Lime	48
5	Shale	53
13	Lime	66
8	Shale	74
12	Lime	86
10	Shale	96
5	Lime	101
6	Shale	107
5	Lime	112
6	Shale	118
24	Lime	142
33	Shale	175
1	Lime	176
7	Shale	183
2	Sandy Shale	185
. 1	Sand	186
9	Sand	195
3	Sandy Shale	198
1	Sand	199
12	Sandy Shale	211
41	Shale	252
3	Lime	-255
4	Sandy Lime	259-TD
	<u>-</u>	

CAS	ING AI	ND TUBING	MEAS	UREMENTS	
Feet	In.	Feet	ln.	Feet	ln.
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	Feet 218.4	Feet In.	Feet In. Feet 218.4 Float	Feet In. Feet In. AIS. 6 Float	218.6 Float 279

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Thickness of Strata	Formation	Total Depth	Remarks
D-25	soil-clay	25	
10 CJ	Shale	44	
4	Lime	48	
5	Shale	53	•
13	Lime	66	
8	Shale	74	_
12	Lime	86	
10	Shale	96	
5	Lim e	10	
4	Shale	107	
	Lime	112	
6	Shale -	115	
33	Lime	142	
55	Shale	1/5	
	Lime	176	
7	Shale	145	•
	Sandy Shale Sand	186	5%00:1
<u> </u>	sand	195	5% 0il
3	Gandy Shale	196	5% 011
1	Sand	199	solid Oil
12	Sandy Shale	211	no 0: 1
41	Shale	252	
3	Lime	255	
4	Sandy lime	259	70
	,		
			[4]
	-2-		-3-



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

INVO	ICE					Invo	ice #	246841
Invo	lce Date;	12/31/2	011 Terms:	0/0/30,n/30			Pag	• 1
	TOWN OILFI P.O. BOX 3 LOUISBURG (913)837-8	39 KS 660	VICES 53-0339	3 67	35 19 24 I	M.		
-F	*****				=======	M & & = = =		======
	Descripti CASING FO				Hours	Unit	Price	Total
Part	Number	D	escription	•	Qty	Unit	Price	Total

1124 1118B 4402	50/50 POZ CEMENT MIX PREMIUM GEL / BENTONITE 2 1/2" RUBBER PLUG	140.00 336.00 1.00	10.9500 .2100 29.0000	1533.00 70.56 28.00
	Description	Hours	Unit Price	Total
36B	80 BBL VACUUM TRUCK (CEMENT)	1.50	50.00	135.00
495	CEMENT PUMP	1.00	1030.00	1030,00
495	EQUIPMENT MILEAGE (ONE WAY)	.00	4.00	.00
510	TON MILEAGE DELIVERY	391.30	1.26	493.04

=========						======	
Parts:	1631.56	Freight:	.00	Tax:	102.79	AR	3392,39
Labor:	.00	Misc:	.00	Total:	3392.39		
Sublt:	.00	Supplies:	.00	Changer	.00		

•			
Signed	·	Date	

BARTLESVILLE, OK EL DORADO, Ke 918/338-0808 318/322-7022

EUREKA, KS 820/583-7684 PONCA CITY, OK 580/762-2303 OAKLEY, K8 785/672-2227 OTTAWA, KS 785/242-4044 THAYER, KB 520/839-5269 GILLETTE, WY 307/688-4914



Consolidated COLMAN SALABORY TREE

TICKET NUMBER LOCATION O VYares a FOREMAN Fied

	,				-	
PO	Вох	884,	Cha	nute,	KS	66720
						2276

FIELD TICKET & TREATMENT REPORT

620-431-9210	or 800-467-867	<u>6</u>	CEMEN	Τ		· : <u>.</u>	
- DATE	CUSTOMER#	· · ·		SECTION	- TOWNSHIP	·RANGE·	COUNTY
12/30/11	7984	Query # . Q.	9 .	Sw. 35	/ 9	. 24	دين .
CUSTOMER .	- 1 /5-	11:0		A STATE OF THE STA			
TOTAL	011714	ell Sevulces	- i . j	;TRUCK#	DRIVER ·	TRUCK#	DRIVER
MAILING ADDRE		-	12 1	<u>. 506</u>	FREMAD	5 a fer	y mile
P.O.	Box	33.9] [495	HARBE	HAB -	Ø 7:
cux.	-	STATE ZIP CODE	1 : 1	848	DERMAC	DAN	:
Lais	pU√9	K3 66023.] , , ` [.	570.	KEICAR	KC	
JOB TYPE - L	ons 5 /v. my	HOLE SIZE 57/5	HOLE DEPTH		CASING SIZE & W		FUE.
CASING DEPTH	219	DRILL PIPE	TUBING	·		OTHER	•
SLURRY WEIGH	IT	SLURRY VOL	WATER gallsk	· · · ·	CEMENT LEFT IN	CASING	JE Plus .
DISPLACEMENT	1-27BB	DISPLACEMENT PSI	MIX PSI		RATE 4 R A		
REMARKS: 5	5, Sn	spect inaskes	1004	hale be	Low 501.	Face Cas	c dae
		"Comed Mi			Prominging	Cal Ele	5 %
Di	Z. F. Pom	Q 140 5/5 50			ment 2%		*****
· Cer	view to	Soutace Flust	some		clean. D		
2/2	15 0	er alue to cas	is y	D. wi/ 7.	27 BB	Fresh	use du-
Pris	ssure		Release	AV=550.70	· Voisex	5/100 × 1/0	lua.
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ACCOUNT CODE	QUANITY or UNITS.	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5406		PUMP CHARGE 485		60300
5406		MILEAGE Truck on Lease.	-	w/c
5402	215	Casing Footage	. ^	NE
5407A	391.3	Ton Wiles	7.	493 *5
5502C	12hr.	80 BBL Vac Truck		135.3
	عة	الماري المراجعة المناف		
				 -
1/24.	1.40 5165	50/50 for Mix Coment	·	7533"
11180	. 336#	Pramium Cel 3		
4402		22" Rubbier PAR	_	- 70 -
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(4 8797		6:37	SALESTAX	1022
An 9737			ESTIMATED TOTAL	33928
· ". Filosistion	San Delan	TITI K	DATE	2

AUTHORIZTION . STOPMEN

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