

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1136991

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	1136991
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 She	eets)	Yes No	L		n (Top), Depth an	d Datum Top	Sample
Samples Sent to Geolog	ical Survey	Yes No	INdill	C		юр	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	<ul> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul>					
List All E. Logs Run:							
		CASING	RECORD Ne	ew Used			
		Report all strings set-	conductor, surface, inte	ermediate, product	ion, 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

#### 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 Specify Fo		RD - Bridge P Each Interval I		e			ement Squeeze Record	Depth
TUBING RECORD:	Siz	:e:	Set At:		Packer	At:	Liner R	un:	No	
Date of First, Resumed Pr	roducti	on, SWD or ENH	۲.	Producing M	lethod:	oing	Gas Lift	Other (Explain)		
Estimated Production Per 24 Hours		Oil Bb	ls.	Gas	Mcf	Wate	ər	Bbls.	Gas-Oil Ratio	Gravity
									1	
DISPOSITION	N OF G	BAS:			METHOD	OF COMPLE	TION:		PRODUCTION IN	TERVAL:
Vented Sold		Jsed on Lease		Open Hole	Perf.	Uually (Submit /		Commingled (Submit ACO-4)		
(If vented, Subm	nit ACO	-18.)		Other (Specify)						

CONSOLIDATED Oil Well Services, LLC	<b>REMIT TO</b> Consolidated Oil Well Servi Dept. 970 P.O. Box 4346 Houston, TX 77210-4		Char 620/431-9210 • 1	MAIN OFFICE P.O. Box 884 nute, KS 66720 -800/467-8676 620/431-0012
INVOICE			Invoice #	255363
======================================	======================================		=========== P	======= age 1
D & Z EXPLORATION 901 N. ELM ST. P.O. BOX 159 ST. ELMO IL 62458 (618)829-3274	EAST 38999 27-14 12-13 KS	-22	26	
1118B         PREMIUM           1111         SODIUM           1110A         KOL SEA	tion OZ CEMENT MIX GEL / BENTONITE CHLORIDE (GRANULA L (50# BAG) RUBBER PLUG	Qty 128.00 315.00 269.00 640.00 1.00	.2100 .3700 .4600	Total 1401.60 66.15 99.53 294.40 28.00
Description 370 80 BBL VACUUM TRUCK (C 503 MIN. BULK DELIVERY 666 CEMENT PUMP 666 EQUIPMENT MILEAGE (ONE 666 CASING FOOTAGE		2.00		Total 180.00 350.00 1030.00 120.00 .00

Parts:	1889.68	Freight:	.00	Tax:	142.20	AR	3711.88
Labor:	.00	Misc:	.00	Total:	3711.88		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed

RADO, KS EUREKA, KS 22-7022 620/583-7664 PONCA CITY, OK 580/762-2303

K OAKLEY, KS 785/672-2227 OTTAWA, KS 785/242-4044 THAYER, KS 620/839-5269

Date

GILLETTE, WY 307/686-4914

- en	··					
C	ONSOLIDATED			TICKET NUM		8999
	Oil Well Services, LLC			LOCATION (		5
				FOREMAN_C	ascy Kenn	edy
	hanute, KS 66720 Fl or 800-467-8676	ELD TICKET & TRE CEME		PORT	<i>(</i>	
DATE	CUSTOMER # WI	ELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/13/12	3392 East (	Sordon # 26	NW 27	14	22	30
	+Z Exploratio		TRUCK #			1
MAILING ADDRE		on	481	DRIVER	TRUCK#	DRIVER
901	NEL St		401	Casken	V Satety	Meeting
CITY	STATE	ZIP CODE	503	Keilar	V	
SF. EL	no IL.	62458	3-20	Dan Der	V	
	nastring HOLE SIZE	5578" HOLE DEF	Cont.	CASING SIZE & V	VEIGHT 27	S" EVE
CASING DEPTH	5.02		<u></u>	CASING SIZE & V	OTHER	
SLURRY WEIGH			al/sk	CEMENT LEFT in		
	-11/2/11			RATE 4.5		
REMARKS: LO	ld satiety moeting	established circe	Vation	red + pumpe	1	D.
Gol follow	0 1 1 1 1 1	fresh water, mix		A LON T	501 50	remism
COLMONT.	1 22 al 5	2. selt + 5#			- 150 FOR	zurix
flushed #	whp dean, put		Kolseal p	casing TI	chall to	surface,
- Acarl	ater pressured to	2 800 PSI rela		chis, rg 11		le bbls
Heren a	and pressored to	2 OW PSI, rela	and pressure	e, out in	casing.	
				<i>[</i>	-	}
			· · · · · · · · · · · · · · · · · · ·		-1	
	2					7
ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION	of SERVICES or PR	ODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE				1030 00
5406	30 mi	MILEAGE				120.00
5402	9431	casing cotage	2			
5407	Mininum	ton mileage 80 Vac				350,00
5502C	2 hrs	80 Vac				180,00
(124	128 sts	50/50 POZMIX	cement			1401.60
111833	315 #	Previon Gol Salt Kolseal 21/2" rubber plux				1.1.15
1111	269 #	Salt				64.15 99.53 294.4
ILIOA	(040 H	Kalsach				~1100
4402		172 " cilher Oliv				28,00
7400		012 10000 Pile	Ĵ			20.0
						Anni
	······································					
				1	- Parts	
			· · ·			
				100 - 100 -	CA.	
				7.525%	SALES TAX	142.20
Ravin 3737	1 .1	l		10	ESTIMATED	
					TOTAL	3711.88

AUTHORIZTION

A

)ppc

Bell

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

TITLE\_

2553633

DATE\_

Lease Owner: D Z Exploration

### WELL LOG

Thickness of Strata	Formation	Total Depth
7	Soil-Clay	7
13	Sandstone	20
12	Shale	32
2	Lime	34
26	Shale	60
7	Lime	67
5	Shale	72
15	Lime	87
10	Shale	97
8	Lime	105
9	Shale	114
19	Lime	133
17	Shale	150
21	Lime	171
8	Shale	179
57	Lime	236
19	Shale	255
8	Lime	263
20	Shale	283
7	Lime	290
4	Shale	294
9	Lime	303
34	Shale	337
2	Lime	339
11	Shale	350
25	Lime	375
9	Shale	384
24	Lime	408
3	Shale	411
4	Lime	415
3	Shale	418
7	Lime	425
5	Shale	430
3	Sand and Lime	433
5	Sand	438
12	Sandy Shale	450
78	Shale	528
4	Sand	532
8	Sand	540
32	Shale	572

Well: E. Gordon 26 Lease Owner: D Z Exploration

### Johnson County, KS Town Oilfield Service, Inc. Commenced Spudding: (913) 837-8400

4	Sandy Shale	576
3	Sand and Lime	579
3	Sand	582
15	Shale	597
6	Lime	603
3	Shale	606
3	Lime	609
6	Shale	615
9	Lime	624
3	Shale	627
12	Lime	639
4	Shale	643
8	Lime	651
3	Shale	654
5	Shale	659
2	Lime	661
41	Shale	702
13	Sand	715
13	Sandy Shale	728
39	Shale	767
5	Sand	772
7	Sandy Shale	779
15	Shale	794
4	Lime	798
8	Shale	806
7	Sand	813
33	Shale	846
4	Sand	850
3	Sandy Shale	853
33	Shale	886
1	Broken Sand	887
1	Sandy Lime	888
11	Core	899
6	Broken Sand	905
13	Sandy Shale	918
21	Shale	939
11	Sand	950
29	Shale	979-TD

	Core	
		888
2	Sand	890
2	Sand	892
2	Sand	894
2	Shale	896
3	Sand	899

# 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

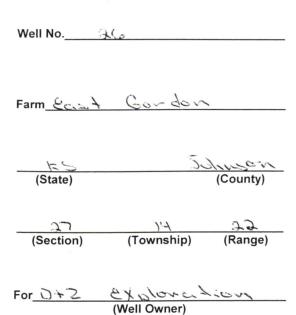
\* D - Diameter of Pump Sheave \* d - Diameter of Engine Sheave SPM - Strokes per minute **RPM** - Engine Speed R - Gear Box Ratio \*C - Shaft Center Distance

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

# Log Book



# Town Oilfield Services, Inc.

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

Ecst CondenFarm: Johnson County KS State; Well No. 20 Elevation 049 Commenced Spuding 12. 7 2012 Finished Drilling 12-13 2012 Driller's Name Cherd Warner Driller's Name Driller's Name Tool Dresser's Name Cole Holcom Tool Dresser's Name Tool Dresser's Name Contractor's Name TO S 27 14 22 (Section) (Township) (Range) Distance from \_\_\_\_\_ line, \_\_\_\_\_ft. Distance from  $\underline{\underline{b}}$  line,  $\underline{\underline{50}}$   $\underline{50}$ 07691-0786 - 17 hous coved 3- Sacks CASING AND TUBING RECORD 10" Pulled \_\_\_\_ 10" Set ..... 78" Set 23.5 8" Pulled \_\_\_\_ 6¼'' Set \_\_\_\_\_ 6¼" Pulled 4" Set \_ 4" Pulled \_\_\_\_\_ 27 Set 94335 2" Pulled -1-883" seat hipple 479 TD

Thickness of Strata	Formation	Total Depth	Remarks
`7	50.1 (0)-1-	7	
13	sendatione	30	
12	shale	33	
2	Sume	34	
26	chele	40	
7	Linc	61	
5	shale	72	
15	Lime	87	
10	shale	97	
8	Lime	105	
9	shalle	114	
14	Lime	133	
17	shales	150	
21	Lime	111	
8	shale	179	
57	Line	226	
19	Shall	255	
8	Line	263	
20	shale	283	
٦	Linie	240	
4	shale	294	
9	Linc	303	
34	chale	337	
2	Lime	339	
))	shale	350	
25	Lime	275	
9	-2-	2554	

Thickness of		Total	
Strata	Formation	Depth	Remarks
24	Lime	408	
3	Shale	111	v
4	Line	415	
3	Sheile	418	
~	Linne	1425	
5	stale	:130	
3	eurd + Lime	433	Broken
5	scine	438	
12	sind, shale	1450	- sney, no oil
78	shale	528	
14	sind	532	with some lime
S	sind	5.40	- every 10 orl
32	shale	572	
Ц	sandy sharle	576	
3	sind 11. me	579	- crev sund with lime
3	sund	582	
15	Shale	597	
6	Lime	603	
3	stale	606	
3	Lime	609	-
ć	shale	615	
9	Line	224	-
3	exen d	627	no o.l
12	shale	639	-
-1	1,100	643	
8	shale	651	
'S	Lune	654	-

Thickness of Strata	Formation	Total Depth	Remarks
5	Sicile	659	
2	Linge	661	
14'	shale	202	"und hed
13	Land	715	Shed No on
13	and a state	728	and / \
34	shale	757	
5	sund	172	Broken, some oder + 1.44/cc
٦	sandy shall	779	Brown sun
)5	shale	-19:4	
Ý.	Lime	795	
5	Shall a	306	
7	esund	813	sway, no oil
33	shale	546	
<u>''</u>	sund	850	
3	sund y sharks	853	
33	Sherle	* 80	
	Broken sund	5857	114/e adont oil
	sendy Lime	888	oil, ok bleeding.
11	core	50101	
6	Brokensend	905	no cul
13	sundy shalle	918	
)/	sind	950	
29	shale	479	stay, no oil OT
			\ \s/

		888.	
Thickness of Strata	Formation	Total Depth -	Remarks
2	baind	890 -	end, and bleed as
2	sind	892	Laminated sets 60% 0.
2	sund	5014 -	Lammated no oil
x 2	shale	396	10 01
3	sind	3-14-	A 6
A			
·			
-			
1 W.			
			· · · · · · · · · · · · · · · · · · ·
		+	
		±	-9-

-8-

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