

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1159428

Form ACO-1 June 2009 Form Must Be Typed Form must be Signed All blanks must be Filled

## WELL COMPLETION FORM

	UNCTODY			
VVELL	HISTORT	- DESCRIP	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 East / 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         Gas       D&A       ENHR       SIGW         OG       GSW       Temp. Abd.         CM (Coal Bed Methane)       Temp. Abd.         Cathodic       Other (Core, Expl., etc.):         If Workover/Re-entry:       Old Well Info as follows:	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: feet depth to: w/ sx cmt
Operator:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)         Chloride content: ppm         provide content: ppm         Fluid volume: bbls         Dewatering method used:         Location of fluid disposal if hauled offsite:         Operator Name:         Lease Name:         Quarter       Sec         TwpS. R       East         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

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	1159428
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		-	on (Top), Depth an		Sample
Samples Sent to Geolog	ical Survey	Yes No	Nam	e		Тор	Datum
Cores Taken Electric Log Run Electric Log Submitted E (If no, Submit Copy)	Electronically	YesNoYesNoYesNo					
List All E. Logs Run:							
		CASING	G RECORD	ew Used			
		Report all strings set	-conductor, surface, inte	ermediate, product	tion, 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 For		RD - Bridge P Each Interval I		e			ement Squeeze Record I of Material Used)	Depth
TUBING RECORD:	Siz	:e:	Set At:		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.	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

Miami County, KS		lfield Service,	Inc.	Commenced Spudding:
Well: Mosher B-55		(913) 837-8400		8/22/2013
Lease Owner: Blue	Diamond Holdings			

### WELL LOG

Thickness of Strata	Formation	Total Depth
9	Soil-Clay	9
19	Lime	28
6	Shale	34
11	Lime	45
7	Shale	52
17	Lime	69
28	Shale	97
19	Lime	116
2	Shale	118
16	Sand and Sandy Shale	134
65	Shale	199
16	Lime	215
2	Shale	217
4	Lime	221
29	Shale	250
5	Lime	255
40	Shale	295
2	Lime	297
' 14	Shale	311
9	Lime	320
3	Shale	323
13	Lime	336
9	Shale	345
22	Lime	367
4	Shale	371
4	Lime	375
3	Shale	378
6	Lime	384
30	Shale	414
12	Sand and Sandy Shale	420
6	Sandy Shale	432
65	Shale	497
5	Sand	502
3	Sandy Shale	505
32	Shale	537
2	Lime	539
9	Shale	548
6	Sand	554
6	Lime	560
23	Shale	583

Miami	County,	KS		Town	Oilf	field	Service,	Inc.	Commenced	Spudding:
Well:	Mosher	B-55					337-8400			8/22/2013
Lease	Owner:	Blue	Diamond	Holdir	ıgs					

2	Coal	585
4	Shale	
8	Lime	589
14		597
3	Shale	611
2	Lime	614
3	Shale	616
7	Coal	619
	Shale	626
10	Lime	636
19	Shale	655
3	Lime	658
8	Shale	666
3	Sand	669
1	Sand	670
19	Core	689
6	Sandy Shale	695
85	Shale	780-TD
	-	

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674 675 676 678 679
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# Short Cuts

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

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# Log Book

Well No. <u>ໂວຈ</u>	55	
Farm <u>Mes</u>	hen	
<u>ر از چ</u> (State)		(County)
) (Section)	)ر (Township)	(Range)
For_Bue	Diceivisend (Well Owner)	Holdings



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

Mosher Farm: Migne. County KS State; Well No. 6.55 Elevation\_1031 Commenced Spuding \_\_\_\_\_\_ 20\_13 Finished Drilling \_\_\_\_\_\_ 20\_13 9 Î Driller's Name Chad Wacher Driller's Name Driller's Name Tool Dresser's Name Brunden Stone Tool Dresser's Name Cale Hobern č Tool Dresser's Name Contractor's Name \_\_\_\_\_ 21 1 16\_\_\_\_ (Township) (Range) (Section) <u>S\_\_\_\_</u> line, \_\_ 3400 ft. Distance from \_\_\_\_ É \_ line, \_\_\_\_\_\_\_ \_\_ft. Distance from cared 14 - suches CASING AND TUBING RECORD 10" Set \_\_\_\_\_ 10" Pulled \_\_\_ '7β'' Set \_\_20 8" Pulled \_\_\_\_ 6¼" Set \_\_\_\_\_ 6¼" Pulled \_\_\_\_\_ 4" Pulled \_\_\_\_\_ 4" Set \_\_ 762 45 2" Pulled 2\*7/cSet -1-731, CO Ballo 668 of sent nikiple UT 08 L

100 March 100

Thickness of Strata	Formation	Total Depth	Remarks
q	soil / clay	ä	
19	Lime	38	
6	shale	34	
- 11	Lime	45	
۲	shale	52	
<b>ר</b> ו	Line	64	
:248	shale	97	
19	Lime	116	
2	shale	118	
16	sendericitys	16134	no cil
65	shale	10/01	
)(	Lime	215	
2	shale	217	
Ч	Lime	221	
24	Shelle	250	with some since second
5	line	255	with some time secons
'+O	shale	295	red bed - 268'
2	Lime	247	
14	sherle	311	
9	Lime	3:20	
. 3	shale	-323	
13	Lime	536	
9	shale	345	
27	Lime	267	
4	shale	371	
4	Lime	375	
3	Shale	378	

-3-

Thickness of		378 Total	-
Strata	Formation	Depth	Remarks
(	Lime	384	- Hartha
20	shale	414	
12	sandt sovely shele	420	- no cil
ف	surgencie	432	
65	shale	197	
5	sand	302	
2)	sendy shale	505	
32	shale	537	red bed 522'
2	Limet shale	539	
9	shale	548	
(د	sand	554	ener, no cil
<u> </u>	Lime	560	
23	shale	583	
2	coul	585	
4	shale	539	
3	Lime	597	
14	shale	611	
2	Lime	614	
2	shale	616	
3	coul	<u> &lt;19</u>	
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3	Lime	658	
S	shale	ندرد	
Ŋ	sound	66C1	no oil
)	mind	6.70	2% 0:1

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		670	
Thickness of Strata	Formation	Total Depth	Remarks
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6	schale	695	
- 55	shale	180	OT
	-6-		-7-

	<u>conc</u>	670	-
Thickness of Strata	Formation	Total Depth	Remarks
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1	Sind	6.714	1:0 5.600
)	chale	675	
)	scn 2	676	Broken - and oil
1	send	678	
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<u> </u>	send	681	<u>sub. 2 o:1</u>
<u> </u>	sind	682	Bothen sound and
2	shelle	685	
	esind	636	Broken sendel sus
<u> </u>	whenle	689	
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	-8-		-9-

	CONSOLIE Oil Well Servi		<b>REMIT</b> Consolidated Oil We Dept. 9 P.O. Box Houston, TX 7	ell Services, LLC 970 4346	Chanu 620/431-9210 • 1-8	AIN OFFICE P.O. Box 884 te, KS 66720 800/467-8676 \$20/431-0012
INVOI					Invoice #	
	ce Date: 08/28		Terms: 0/0/30,n/	30	=========================== P:	age 1
	BLUE DIAMOND HO P.O. BOX 128 WELLSVILLE KS ( ) -	2	LLC	MOSHER B-55 42412 NW 1-16-21 08-23-2013 KS		
Part 1 1124 1118B 1111 1110A 1401 4402		PREMIUM SODIUM KOL SEA HE 100	OZ CEMENT MIX GEL / BENTONITE CHLORIDE (GRANUL) L (50# BAG)	95.00 260.00 A 184.00 475.00	.2200 .3900 .4600 47.2500	Total 1092.50 57.20 71.76 218.50 23.63 29.50
368 368 368 503 675	Description CEMENT PUMP EQUIPMENT MILE CASING FOOTAGE MIN. BULK DELIV 80 BBL VACUUM	VERY		Hours 1.00 20.00 762.00 1.00 2.00	4.20	Total 1085.00 84.00 .00 368.00 180.00

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Sublt:	.00	Supplies:	.00	Change:	.00		
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Signed						_ Date	1	
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918/338-0808	316/322-7022	620/583-7664	580/762-2303	785/672-8822	785/242-4044		307/686-4914	918/225-2650

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DATE	CUSTOMER #		WELL NAME & NUM		SECTION	TOWNSHIP	RANGE	COUNTY
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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.