

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1234364

Form ACO-1 August 2013 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 🗌 East 🗌 Wes		
Address 2:			F6	eet from North /	South Line of Section
City:	State: Z	ip:+	Fe	eet from East /	West Line of Section
Contact Person:			Footages Calculated from I	Nearest Outside Section C	Corner:
Phone: ()			□ NE □ NW	V □SE □SW	
CONTRACTOR: License #			GPS Location: Lat:	, Long: _	
Name:				(e.g. xx.xxxxx)	(e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27	NAD83 WGS84	
Purchaser:			County:		
Designate Type of Completion:			Lease Name:	W	/ell #:
	e-Entry	Workover	Field Name:		
	_		Producing Formation:		
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground:	Kelly Bushing:	:
	GSW	Temp. Abd.	Total Vertical Depth:	Plug Back Total C	Depth:
CM (Coal Bed Methane)	dow	Temp. Abd.	Amount of Surface Pipe Se	et and Cemented at:	Feet
☐ Cathodic ☐ Other (Co	ore, Expl., etc.):		Multiple Stage Cementing	Collar Used? Yes	No
If Workover/Re-entry: Old Well I			If yes, show depth set:		Feet
Operator:			If Alternate II completion, c	cement circulated from:	
Well Name:			feet depth to:	w/	sx cmt.
Original Comp. Date:					
Deepening Re-perf	•	NHR Conv. to SWD	Drilling Fluid Managemer	nt Plan	
☐ Plug Back	Conv. to G		(Data must be collected from the		
Commingled	Pormit #:		Chloride content:	ppm Fluid volume	e: bbls
Dual Completion			Dewatering method used: _		
SWD			Location of fluid disposal if	hauled offsite	
☐ ENHR			1		
GSW	Permit #:		Operator Name:		
_ _			Lease Name:	License #:_	
Spud Date or Date R	eached TD	Completion Date or	Quarter Sec	TwpS. R	East _ West
Recompletion Date		Recompletion Date	County:	Permit #:	

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					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					



Operator Name:			Lease Name: _			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow	ring and shut-in pressu	ormations penetrated. Cures, whether shut-in prediction of the pre	essure reached stat	ic level, hydrosta	tic pressures, bot		
		otain Geophysical Data a or newer AND an image		ogs must be ema	illed to kcc-well-lo	gs@kcc.ks.go	v. Digital electronic log
Drill Stem Tests Taken (Attach Additional S		Yes No			on (Top), Depth ar		Sample
Samples Sent to Geol	logical Survey	Yes No	Nam	ie		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD N	ew Used			
		Report all strings set-			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 / SQI	JEEZE RECORD	<u> </u>	1	
Purpose: Perforate Protect Casing	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Plug Back TD Plug Off Zone							
	ulic fracturing treatment or	n this well? aulic fracturing treatment ex	roed 350 000 gallons	Yes		p questions 2 ar	nd 3)
		submitted to the chemical of	=	Yes	= ' '	out Page Three	of the ACO-1)
Shots Per Foot		N RECORD - Bridge Plug ootage of Each Interval Per			cture, Shot, Cement		d Depth
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:			
TODING RECORD.	OILG.	Jet At.	i aunei Al.		Yes No		
Date of First, Resumed	Production, SWD or ENF	HR. Producing Meth	nod:	Gas Lift C	Other (Explain)		
Estimated Production Per 24 Hours	Oil B	bbls. Gas	Mcf Wat	er B	bls. C	as-Oil Ratio	Gravity
DISPOSITION Vented Sold	ON OF GAS:	N Open Hole	METHOD OF COMPL		mmingled	PRODUCTIO	DN INTERVAL:
	bmit ACO-18.)	Other (Specify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	D & Z Exploration, Inc.
Well Name	DONOVAN #I-S1
Doc ID	1234364

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
SURFACE	9.825	7	20	20	PORTLAN D	10	NONE
PRODUC TION	5.625	2.825	6.2	942	50/50POZ	126	NONE

JOhnson County, KS Well:Donovan I-51 Lease Owner: D Z

Town Oilfield Service, Inc. Commenced Spudding: 10/30/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
4	Soil-Clay	4
3	Shale	7
18	Sandstone	25
35	Shale	60
7	Lime	67
4	Shale	71
18	Lime	89
6	Shale	95
15	Lime	110
3	Shale	113
17	Lime	130
18	Shale	148
17	Lime	165
10	Shale	175
57	Lime	232
20	Shale	252
9	Lime	261
21	Shale	282
6	Lime	288
3	Shale	291
14	Lime	305
29	Shale	334
1	Lime	335
9	Shale	344
30	Lime	374
6	Shale	380
22	Lime	402
4	Shale	406
4	Lime	410
5	Shale	415
8	Lime	423
171	Shale	594
6	Lime	602
11	Shale	611
5	Lime	616
19	Shale	635
3	Lime	638
9	Shale	647
4	Lime	651
3	Shale	654

JOhnson County, KS Well:Donovan I-51

Town Oilfield Service, Inc. Commenced Spudding: 10/30/2014

Lease Owner: D Z

2	Lime	656
104	Shale	760
2	Grey Sand	762
2	Broken Sand	764
6	Grey Sand	770
112	Shale	882
4	Broken Sand	886
8	Oil Sand	894
4	Sandy Shale	898
82	Shale	980-TD
	-	
The state of the s		
		*
-		

Short Cuts

TANK CAPACITY

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) + $\frac{(D-d)^2}{4}$

* Need these to figure belt length

TO FIGURE AMPS:

WATTS = AMPS **VOLTS**

746 WATTS equal 1 HP

Log Book

Well No.	51	
Farm Dor	AVEL	
(State)	70	(County)
28	14	22
(Section)	(Township)	(Range)
For	Well Owner)	tion

Town Oilfield Services, Inc.

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

Farm: County	County CASING AND TUBING MEASUREMENTS			JREMENTS		
State; Well No						1
Elevation	Feet	In.	Feet	In.	Feet	In.
Commenced Spuding 10 - 30 20 14						
Finished Drilling 10-31 20/4				-		
Driller's Name		+				
Driller's Name				+-		
Driller's Name						
Tool Dresser's Name Cake Helicon						
Tool Dresser's Name						
Tool Dresser's Name						
Contractor's Name						
(Section) (Township) (Range)						
Distance from line,ft.						
Distance fromft.				1		
	-					
in the second second						
CASING AND TUBING						
RECORD					7	
10" Set 10" Pulled						
7" Set 20" 8" Pulled						
6¼" Set 6¼" Pulled						
4" Set 4" Pulled						
2"/ Set 542.65 2" Pulled			-1-			

-1-

	=	<u> </u>	
	てのり	انگ	27
	280	Shall	7
	465	1:	30
	hhs	Holi	l _o
	588	Ji M.	1
	1334	3hick	152
	.,705	11/1	171
	167	3/10/10	٤,
	8.52		7
	7-97	71345	12
	192	20.1	6
	752	अधिह	02
	282	w!/	L9
	-561	shall:	0!
	271	~M	LI
	Shl	3/275	81
	021	11/2	41
	- 511	ئاس اب	5
	- 011	11	21
	56	ا حاراد ا	9
	68	lim	81
	- 12	3/2/2	h
	13	Line	4
	09	3/2de	22
	-57	z-1delo-2	81
	L	3/2/2	5
	- /-	4 2/3+ 1.0c	1
Remarks	Total AfgeQ	Formation	Thickness of Strata

Thickness of Strata	Formation	Total . Depth	Remarks
4	Shelt	406	Normaline
í-)	live	410	
3	Shale	415	
8	line	423	H=, the
171	Shall	594	
6	line	600	
<u>JI</u> 5	Shale	641	
5	line	616	
19	shale	635	
3	line	638	
9	shale	647	
4	lima	651	
3	Shale	654	
	line	6360	
104	shake	Net	
2	great sund	762	
2	broken and	764	have bical foot set-eating
(e	Avey sile	776	
112	shale	887	
· d	Droken squal	884	lite bleed good extraction
8	cil scal	894	very good bleed great submition
4	soundy shake	598	3
82	Shale	980	TD



REMUT 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

D & Z EXPLORATION 901 N. ELM ST. P.O. BOX 159 ST. ELMO IL 62458 (618)829-3274 DONOVAN S1 50611 NE28-14-22 10-31-14 KS

Part Number	Description	Qty	Unit Price	Total
1124	50/50 POZ CEMENT MIX	126.00	11.5000	1449.00
1118B	PREMIUM GEL / BENTONITE	412.00	.2200	90.64
1111	SODIUM CHLORIDE (GRANULA	265.00	.3900	103.35
1110A	KOL SEAL (50# BAG)	630.00	.4600	289.80
4402	2 1/2" RUBBER PLUG	1.00	29.5000	29.50
Sublet Performed	Description			Total
9996-120	CEMENT MATERIAL DISCOUNT			-579.84
Description		Hours	Unit Price	Total
370 MIN. BULK DELI	VERY	1.00	368.00	368.00
558 80 BBL VACUUM	TRUCK (CEMENT)	2.00	100.00	200.00
666 CEMENT PUMP	1.00	1085.00		
666 EQUIPMENT MILE	30.00	4.20	126.00	
666 CASING FOOTAGE		943.00	.00	.00

7 00	-		Amount	Due 3886.00	if paid	after	11/10/2014
Parts: Labor: Sublt:	.00	Freight: Misc: Supplies:	.00	Tax: Total: Change:	101.95 3263.40 .00	AR	3263.40
======	======	========	=======		======	=====	=======================================

Signed

Date



272310

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

CUSTOMER DH 7 Exploration TRUCK# DRIVER TRUCK# DRIVER TRUCK# DR	520-431-9210 d	or 800-467-8676			CEME	T			
COUNTY OF TEXPORATION ACCOUNT CODE ACCOUNT		CUSTOMER#				SECTION			COUNTY
COUNTY OF TEXPORATION ACCOUNT CODE ACCOUNT	10/31/14	3392	Donova	n井	12	NE 28	14	<u>2</u> 2	70
MALING ADDRESS 90 Welly St. STATE ZIP CODE 1 (2018) STATE ZIP CODE 1		- Explorat				TRUCK#	DRIVER	TRUCK#	DRIVER
GOL M. Ela St. STATE ZIPCODE (C. 1975) STATE ZIPCODE (C. 1975)	MAILING ADDRE	SS	107		1			1 Cold	
STATE PRODUCT STELLO IL CAPUS 320 Micked L JOB TYPE CONSTITUTE JOB TYPE CONSTITUTE HOLE SIZE SET HOLE DEPTH TRO CASING SIZE A WEIGHT D THE CASING DEPTH CHARGE SLURRY WEIGHT DISPLACEMENT PSI MIX PSI RATE 41.5 pm REMARKS: hold sold a biting established circulation mixed townsed soft Promised Cell library Displacement particles, united for coletion mixed townsed soft product to surface, plant to Displacement particles, called the surface coletion of the coletion was an account of the coletion of the coletion was an account of the coletion of the	901	N. Ela. S	ST					V	-
JUDB TYPE CONSTITUTE JUDG TO THE CONSTITU	CITY		STATE	ZIP CODE	1	228		~	***
DOB TYPE LOWS TITING CASING DEPTH 943' DRILL PIPE TUBING TUBING DISPLACEMENT S. HOLLS TO SERVICE DISPLACEMENT S. HOLLS DISPLACEMENT S. HOLLS TO SERVICE DISPLACEMENT S. HOLLS TO SERVICE DISPLACEMENT S. HOLLS TO SERVICE DISPLACEMENT S. HOLLS TO SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE DISPLACEMENT S. HOLLS TO SERVICES DISPLACEMENT S. HOLLS TO SERVICES TO SERVIC	St Elun	0	16	62458		370	Miktox	L	
CASING DEPTH 943 DRILL PIPE TUBING OTHER SLURRY WEIGHT DISPLACEMENT S. 46 bbs DISPLACEMENT PSI MIX PSI RATE 4.5 pm REMARKS: hold school neutring established cisculation used towngod 200# Heurism Gel Billowed by 10 bbs west moter used towngod 120 & 5°59 Positive Council will be 10 bbs west moter mixed towngod 120 & 5°59 Positive Council will be 10 bbs west moter mixed towngod 120 & 5°59 Positive Council will be 10 bbs west moter properly 10 choses To will so success Lichard prince Cean purped 270# rubbs of pressure to success Lichard prince Cean purped 270# rubbs of pressure to 30 unin 11 The Coloridad prostile, shuthin cations ACCOUNT ACCOUNT CODE QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE TOTAL ACCOUNT CODE STOLE ACCOUNT ACCOUNT ACCOUNT PUMP CHARGE 1085. 90 STOLE STOLE ACCOUNT ACCOUN			HOLE SIZE		HOLE DEPT	rh 980'	CASING SIZE & V	WEIGHT 27/8	"EVE
SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SLURRY WEIGHT SUBPLACEMENT PSI MIX PSI MIX PSI MIX PSI RATE 4.5 bpm RATE 4.5			DRILL PIPE					OTHER	
REMARKS: hold safet, earling, established circulation, mixed trumped 200 # Heurism Gel Willawed by 10 bils tresh water, mixed to purped 126 & 5% 15% 15 Earling rement us 30 gel 57 & self 4 # toleral perst, coment to scale thereof groupe clean, purped 21% rubber also to casing TO us 546 bils leash water, gress will be 800 PS1, well had pressure the 30 min MIT celegical grassite, shut in cavinc. Account advantage with a self-purped to the pressure of the 30 min MIT celegical grassite, shut in cavinc. Account advantage with the pumper and the self-pumped to t			SLURRY VOL_		WATER gal	/sk	CEMENT LEFT in	CASING	
Gel billowed by 10 bils thesh inder mixed to proped 126 to 5950 to service consent w) 30 gel 570 self 45 # toleral per it ceremit to surface, tested grant dean primed 210 rubber also hasing TD w 5.90 bils least water gressive to for PSI, well had pressure the 30 min MIT colored grassice, shut in casing. Account code grassice, shut in casing. SHOI / PUMP CHARGE / 1081. ~	DISPLACEMENT	5.46 bls	DISPLACEMEN	IT PSI	MIX PSI	,	RATE 4.5	Jour	
Gel billowed by 10 bils thesh inder mixed to proped 126 to 5950 to service consent w) 30 gel 570 self 45 # toleral per it ceremit to surface, tested grant dean primed 210 rubber also hasing TD w 5.90 bils least water gressive to for PSI, well had pressure the 30 min MIT colored grassice, shut in casing. Account code grassice, shut in casing. SHOI / PUMP CHARGE / 1081. ~	REMARKS: Lo	eld safet	maeting	establis	hed cir	exation,	uixed tou	uped 200:	# Hemive
Sylve 30 minimum ton mileage 1124 126 &s 5750 Pormix cernent 1449.00 1111 265 # Salt Kolaal 90.64 1110A 630 # Kolaal 126.75 126.75	Gel Sollon		1 . 1 0						
Sylve 30 minimum for mileage 1124 126 &s 5750 Pormix cernent 1449.00 1111 265 # Salt 100 110A (030 # Kelval Salt 100 136 "Color glus 136 "Color glus 136 101 136 "Color glus 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 136 101 137 101 13	coment	w/ 2% 00		set &	5#K	dreal per	st, cem		
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ACCOUNT CODE ACCOUNT CODE SYOL PUMP CHARGE SYOL 30 u.i MILEAGE SYOL SYOL ASING Hotage SYOL STOL AND HILLAGE 11124 126 85 SYSTOPHILE CELLENT 1110A (630 # Kolpal 1252.95 1388.00 1388.00 1388.00 1388.00 1388.00 1388.00 1388.00 1388.00 101.3757 3880.01	() 1	tor, press	wed to	800	PSI, u	sel hald p	ressure Acr	30 Min	MIT
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Sync 30 ui MILEAGE 126-00 5402 943' OBSING ROTEGO 368.00		QUANITY	or UNITS	DI	ESCRIPTION	of SERVICES or PF	RODUCT	UNIT PRICE	TOTAL
5402 943' Story botage 5407 minimum ton mileage 5502C 2 hrs 60 Vac 1124 126 8ts 5/50 Populix cernent 1149.00 1111 265 # Premium Gel 70,64 1110A 630 # Kolsal 110A 630 # Kolsal 1	5901	1		PUMP CHARG	GE				
5402 943' asing botage 5407 minimum ton mileage 5502C 2 hrs 60 Vac 200.00 1124 126 sts 5/50 Popuix cernent 1449.00 11 18B 412 # Remin Gel 90.64 111 265 # Salt 103.35 1110A (030 # Kolpal materials 1932.79 -30. 579.84 9402 1 2'6" colder plug 2880.00 Pain 3737 Pain 3737 8ALES TAX 101.96 13263.49		30 a	e i	MILEAGE					126.00.
\$\frac{500c}{5500c} \text{ \$\text{a hrs}} \text{ \$\frac{50}{200}\$, \$\infty} \text{ \$\frac{50}{200}\$, \$\infty} \text{ \$\frac{50}{200}\$, \$\infty} \text{ \$\frac{1149}{200}\$, \$\infty} \text{ \$\frac{135}{200}\$, \$\		943	1	asing	Lecta ac				
1124 126 sts 5% Poznix cernent 1449.00 1188 412 # Remin Bel 90.64 1110 103.35 1110 103.35 1110 103.35 1110 103.0 # Koleal 1930.79 1110 126 1279.84 125 1279.84 125 1279.84 1279.85	5407	minin	num		1				368.00
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1110A (30 # Kolsal 103.35 1110A (30 # Kolsal 289.80 110A (30 # Kolsal 2	1124	126	Ste	5% 7	Smix	cernent		1449.00-	
1110A 630 # Kolspal Materials 1932.79 -300 579.84 289.80 -300 579.84 206-botal 1352.95 299.50 3886.01 Pavin 3737 ESTIMATED TOTAL 3263.49				Provide	m Gol			90.64	
110A (630 # Kolspal 289.80 / 1932.79 / -302 579.84 / -302 579.84 / -302 579.84 / -302 579.84 / -302 579.50 / -302		3/05					· :	103 25	
Materials 1932.79 -300 579.84 -300 579.84 206-total 1352.95 29.50 3880.01 7.32576 SALES TAX 101.96 ESTIMATED TOTAL 3263.46		(430		Kalmal	P		· · · · · · · · · · · · · · · · · · ·		
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1352.95 4402 1 2'6"robber plug 3880.01 7.3757 SALES TAX 101.95 ESTIMATED TOTAL 3263.46						,,,,		529 84	
29.50 3880.01 3880.01 7.32576 SALES TAX 101.96 ESTIMATED TOTAL 3263.49				-					1352.95
7.32576 SALES TAX 101.95 ESTIMATED TOTAL 3263.46	4402		1	26"00	Lor de	2	-00.0120		
7.325% SALES TAX 101.95 ESTIMATED TOTAL 3263.49	7702			A 19 10	The pick	/			
7.325% SALES TAX 101.95 ESTIMATED TOTAL 3263.49								388/201	
Ravin 3737 TOTAL 3263.4	-							10000	
Ravin 3737 TOTAL 3263.4							7.305%	SALES TAX	101.95
	Ravin 3737	-//	///	<u> </u>			.,,	ESTIMATED	
AUTHORIZTION DATE								TOTAL DATE	3×02.7

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.