



KANSAS CORPORATION COMMISSION 1065519  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

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.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

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**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1065519

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. 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 <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, 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:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other *(Explain)* \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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## WELL REPORT

Well: Meridian Energy Inc. #1 A Berland  
Approx. NW SE NW Section 19  
1650' fnl x 1650' fwl  
T. 10 S., R. 19W.  
Rooks County, Kansas

Elevation: GL 2226  
KB 2232

Total Depth: Driller 3870 Logger 3869

Date spudded: 4/13/11

Date completed: 4/18/11

Drill Stem Test: None

Results: Rn 5 1/2 csg to evaluate

Drilling Contractor: Royal Drilling, Rig 1

Mud Contractor: Andy's Mud

Logs Run: Log-Tech- Dual Induction Log/ Neutron/Density/Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

### FORMATION TOPS

Anhydrite	1618	+614
Topeka	3230	- 998
Heebner	3439	-1207
Toronto	3460	-1228
Kansas City	3476	-1244
Arbuckle	3794	-1562
Total Depth	3870	

### SAMPLE DESCRIPTIONS

#### 10' SAMPLES LAGGED AND CORRELATED BACK TO LOG

Topeka Limestone 3230-3268 Ls, gray, vf xtln, tt, no show some microstln tt no show  
3278-3296 Ls, buff-gray, f xtln, dirty, tt no show  
3296-3321 Ls, buff, f-m xtln, foss, tt, no show  
3338-3360 Ls, wt, micro xtln, tt, no show, tr chalky  
3360-3384 Ls, gray, dirty, tite, no show  
3384-3402 Ls, gray, micro xtln tt, no show  
3404-3414 Ls, wt, vf xtln, tr chalky, tite, no show  
3414-3440 Ls, wt, micro xtln, some chalky, tite , no show

- Toronto 3460-3470 Ls, wt, micro xtln, tr chalky, tite, no show
- Kansas City A 3496-3482 Ls, wt, vf xtln, cherty, some soft chalky, no show.  
 B 3495-3500 Ls, wt, vf xtln, hard, tite, no show.  
 C 3510-3522 Ls, oolitic-m xtln, fair por, intergran por, v lt stn, NSFO looks wet  
 One grn w/sl vug por, pinpt stn SSFO poor por.  
 Mostly ls, wt, vf xtln-micro xtln, tt, no show. Some chalky ls towards base.  
 D 3526-3542 few grns Ls, wt, vvf xtln, pinpt intergran por w/ PSFO, good odor/oil  
 droplets in sample cups) Log shows 12% por 7 ohms @ 3529.  
 E-F 3550- 3560 Ls, wt, micro xtln, tt, no show,  
 One grn f-m xtln, pinpt intergran por, ppr por, lt stn VSSFO  
 G 3560-3578 Ls, wt, oolitic, hard, tite, tr chert, no show  
 3578-3594 one grn ls wt, m grainstone, w/gd intergran por, bleeding oil GSFO  
 rest Ls, wt, f xtln, to micro xtln, some oolitic, tite, no show  
 H 3610- 3620 Ls, wt, micro xtln, tite, no show.  
 I-J 3628-3653 Ls, a/a no show  
 K 3662-3674 Ls, a/a few pieces oolitic w/ dead bitumen, NSFO  
 L 3680-3686 Ls, gray, vf xtln-micro xtln, tite, no show.
- Cong 3640 shale, red, green  
 3732-3766 Chert, wt, orange, some w/dead bitumen, tr vvf grn ss, fri, no show.  
 3770-3780 Chert a/a one grn ss, m grn, clear, clean, hard, heavy stn SFO when crushed  
 3780 shale bright green
- Arbuckle 3793-3803 Dolo, brown, m xtln, poor intergran por, lt stn, SSFO when crushed, exc odor,  
 sl oil scum, one grn v/vug por but wet NSFO. Lots Dolo, brown, tite, no show.
- 3803-3830 Dolo, buff, m-c xtln, inter gran por, "sucrosic" heavy stn, GSFO. Lots of Dolo,  
 buff, rextlized, tite, no show.
- 3830- 3850 appear to be out of show. Dolo a/a no show.
- 3850-3860 shale, green, Dolo, buff-pink, f xtln, hard, tite, no show
- 3860-3870 Dolo, m xtln, some w gd-exc por, barren, wet.

#### MUD RECORD

@3140'	WT 9.0	VIS 56	WL 8	MC 1/32
@ 3493	WT 9.2	VIS 56	WL 8.8	MC 1/32
@ 3870	WT 9.3	VIS 64	WL 8.8	MC 1/32

## COMMENTS

**This well came in structurally flat with surrounding producers. Shows in the KC were minor in quantity and quality. Shows in the upper Arbuckle were scattered in generally poor quality rock. Marginal but probable reservoir quality rock with shows was interspersed with tite dolomite lacking porosity and shows.**

# ALLIED CEMENTING CO., LLC. 039676

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Russell Ks.

DATE <u>4-13-2011</u>	SEC. <u>19</u>	TWP. <u>10</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30PM</u>	JOB FINISH <u>9:00PM</u>
LEASE <u>BERLAND</u>	WELL # <u>A-1</u>	LOCATION <u>ZURICH KS, W TO RD #7</u>			COUNTY <u>ROCK'S</u>	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)		<u>4 S, TO DEAD END 1/4 S 1/4 E</u>					

CONTRACTOR Royal DRG. Rig#  
 TYPE OF JOB Cement SURFACE  
 HOLE SIZE 12 1/4 T.D. 236'  
 CASING SIZE 8 5/8 New DEPTH 235'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 15'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 14 / BBL

OWNER \_\_\_\_\_  
 CEMENT  
 AMOUNT ORDERED 160 Com 3%cc 2%Gel

COMMON	<u>160</u>	@	<u>16.25</u>	<u>2600.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>168</u>	@	<u>2.10</u>	<u>352.80</u>
MILEAGE	<u>14.16</u>	@		<u>831.60</u>
TOTAL				<u>4164.35</u>

EQUIPMENT

PUMP TRUCK CEMENTER Glenn  
 # 398 HELPER Woody  
 BULK TRUCK  
 # 410 DRIVER Nick  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

RAN 5 NEW ITS OF 8 5/8 CSG. (20#)  
Set @ 235, Recirculation  
& cement w/ 160 s x com 2 & 3 x  
Displace 14 BBL H<sub>2</sub>O & Shot  
IN @ 300#  
Cement did circulate  
TO SURFACE  
THANK'S

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1125.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>90</u>	@	<u>7.00</u>	<u>630.00</u>
MANIFOLD		@		
		@		
	<u>Light Vehicle 90</u>	@	<u>4.00</u>	<u>360.00</u>
TOTAL				<u>2115.00</u>

CHARGE TO: Neal LaFon Realty (MERIDIAN ENERGY)  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

	@			
	@			
	@			
	@			

STREET \_\_\_\_\_

TOTAL 211.00

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Doug Budig

SIGNATURE Doug Budig



Services, Inc.

CHANGE TO: Meridian Energy  
 ADDRESS  
 CITY, STATE, ZIP CODE

TICKET  
 19455

PAGE 1 OF 2

SERVICE LOCATIONS  
 1. Hayes, Ks.  
 2. Mass City, Ks.  
 3.  
 4.

WELL/PROJECT NO. H-1-A  
 LEASE Borland  
 COUNTY/PARISH Books  
 STATE Ks  
 CITY

TICKET TYPE  
 SERVICE  
 SALES

CONTRACTOR Royal Dels #1  
 RIG NAME NO.

WELL TYPE Oil  
 WELL CATEGORY Development  
 JOB PURPOSE 2-stage

INVOICE INSTRUCTIONS

DATE 4-18-11  
 ORDER NO.  
 OWNER Same

WELL REFERRAL NO.  
 WELL PERMIT NO.  
 WELL LOCATION

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	LOC	ACCT	DF	DESCRIPTION	MILEAGE	QTY	UM	QTY	UM	UNIT PRICE	AMOUNT
575						2104	40	ai			5.00	200.00
579					Pump Charge (2-stage)		1	ea	3870		1750.00	1750.00
221					Rel		4	gal			25.00	100.00
281					Mud/Plush		500	gal			1.00	500.00
290					D-Air		4	gal			25.00	100.00
402					Centralizers		18	ea	56		65.00	1170.00
403					Baskets		2	ea			230.00	460.00
407					Insulator Float Shoe w/H.I.I.		1	ea			300.00	300.00
408					OV Tool & Plugset		1	ea			2150.00	2150.00
413					Return all skatchers		10	ea			40.00	400.00
417					PU-1-R Plug & Baffle		1	ea			200.00	200.00
419					Rotating Head		1	ea			150.00	150.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

REMIT PAYMENT TO:

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS  
 DATE SIGNED 4-19-11 TIME SIGNED 05:10  
 BY [Signature]  
 AM  PM

SWIFT SERVICES, INC.  
 P.O. BOX 466  
 NESS CITY, KS 67560  
 785-798-2300

SURVEY

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE VAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL	2665.00
PAGE 2	7314.00
Subtotal	14979.00
Books	737.89
10.3%	
TOTAL	15,716.89

SWIFT OPERATOR: Mark Rabe APPROVAL: \_\_\_\_\_  
 CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: The customer hereby acknowledges receipt of the materials and services listed on this ticket.  
 Thank You!





PO Box 466  
Ness City, KS 67560  
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 19455

DATE 4-14-11 PAGE 2 OF 2

CUSTOMER Meridiana Energy WELL #1-A Berland

DATE	TIME	DESCRIPTION	UNIT	AMOUNT
325	2	Standard Cement	150 sks	1800.00
330	2	SMD Cement	285 sks	3375.00
276	2	Floccle	100 #	150.00
283	2	Salt	750 #	112.50
284	2	Calseal	7 sks	210.00
286	2	Halad-1	50 #	350.00
581	2	SERVICE CHARGE		
583	2	TOTAL WEIGHT	375 sks	
		LOADED MILES	40	
		TOTAL WEIGHT	37696	
		CUBIC FEET		562.50
		TON MILES	750	754.00

CONTINUATION TOTAL 7314.00

**JOB LOG**

**SWIFT Services, Inc.**

DATE 4-18-11 PAGE NO. 1

CUSTOMER Meridian Energy WELL NO. #1-A LEASE Berland JOB TYPE 2-stage TICKET NO. 19455

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	2300							RTD 3870 5 1/2" x 15.5" x 3869' x 21' Cent. 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 54 Bask 55, 78 DV 55 @ 15.65'
	1110							Start FE
	0100							Break Circ
	0220	3	0			150		Start Prof. 500 gal Mud Flush 20 Bbl KCL Flush
	0230	4	32/0			200		Start EA-2 150 sks
	0240		26					End Cement Wash P&L Drop L.D. Plug
	0245	5	0			150		Start Displacement water
	0257	5	60			200		Mud
	0258	5	<del>64</del>			300		Catch Cement
	0305	5	91.5			<del>300</del> 1400		Land Plug Release pressure / Hold
	0310							Drop Opening Plug
	0320					1100		Open D.V. Circ 45 min
	0405	2	7/5					Plug RH & MH 25/15 sks SMD
	0415	4	0			100		Start KCL flush
	0420	5	20/0			150		Start Cement 185 sks SMD
	0440		103					End Cement Drop Closing Plug
	0445	4	0			100		Start Displacement
	0455		37			<del>150</del> 1200		Circulate Cement while mixing Land Plug Close DV Release Pressure / DV Closed
								Circ 65 sks Cement to pit
								Thank you Nick, Josh, K. & Rob