



KANSAS CORPORATION COMMISSION 1081199  
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: \_\_\_\_\_



1081199

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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	Darnell 1
Doc ID	1081199

All Electric Logs Run

Dual Induction Log
Computer Processed Log
Dual Compensated Porosity
Microresistivity log

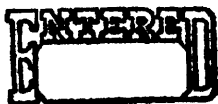
Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	Darnell 1
Doc ID	1081199

Tops

Name	Top	Datum
Anhydrite	1681	+534
Topeka	3180	-962
Heebner	3387	-1169
Toronto	3410	-1192
Kansas City	3416	-1198
BKC	3640	-1422
Cong	3656	-1438
Arb	3731	-1513



**CONSOLIDATED**  
Off Well Services, LLC



TICKET NUMBER 33840  
LOCATION Oakley Ks  
FOREMAN Walt Dinkel  
Fuzzy McCullich

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-22-12	5665	Darnell #1	16	9S	21W	braham
CUSTOMER Meridian Energy			Boqueron			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			2E	456-T118	Wes Flinn	
STATE			2'6" N	528-T127	Cody Rost	
ZIP CODE			W.S.	466-T129		

JOB TYPE Prod-DV HOLE SIZE 7 7/8 HOLE DEPTH 3819' CASING SIZE & WEIGHT 5 1/2 - 15.5 #  
CASING DEPTH 3819' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
SLURRY WEIGHT 14.2 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 22'  
DISPLACEMENT 9.3 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 6 BPM

REMARKS: Safety meeting, Rig up on Royal Dig, run Float Equipment, Circ  
Casing on bottom 1 Hr, Pump 500gal Mud Flush, mixed 125 sks Com, 10% Salt  
2% Gel, 5# Kalsol per sk, clear Pump + Lines, Displace 50 BBL H<sub>2</sub>O + 43 BBL mud  
2 600#, Landal Plug @ 1100#, released Pressure Float Hndl, open DV Tool  
Circ 1 Hr  
Mixed 20 sks in R.H., 30 sks in R.H., mixed 330 sks 60% opor, 8% Gel, 1/4 #  
Flu-seal, released Plug + Displaced 41 BBL H<sub>2</sub>O @ 700#, Landal Plug  
@ 1500#, released Pressure, Float Hndl  
Comant D&G Circ

Thank You  
Fuzzy - Walt + crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020 <sup>00</sup>	3020 <sup>00</sup>
5406	60 miles	MILEAGE	5 <sup>00</sup>	300 <sup>00</sup>
1104S	125 sks	Class A Cement	17 <sup>65</sup>	2206 <sup>25</sup>
1131	380 sks	69409202	15 <sup>10</sup>	5738 <sup>00</sup>
1111	595 #	Salt	1.45	267 <sup>75</sup>
1110A	625 #	Kalsol	1.56	350 <sup>00</sup>
1118B	2616 #	Bentonite	1.25	654 <sup>00</sup>
1135A	29# #	F1-115	10 <sup>55</sup>	305 <sup>95</sup>
1146	18# #	C&F-38	9 <sup>72</sup>	174 <sup>96</sup>
1144G	500 gal	Mud Flush	1 <sup>00</sup>	500 <sup>00</sup>
1107	9.5 #	Flu-seal	2 <sup>82</sup>	267 <sup>90</sup>
4159	1	5 1/2 - AFU Float Shoe	413 <sup>00</sup>	413 <sup>00</sup>
4130	7	5 1/2 - Centralizers	58 <sup>00</sup>	406 <sup>00</sup>
4104	2	5 1/2 - Baskets	276 <sup>00</sup>	552 <sup>00</sup>
4315	7	Rotating Scrubbers	90 <sup>00</sup>	630 <sup>00</sup>
4283	1	5 1/2 DV Tool w/ Latchdown	3850 <sup>00</sup>	3850 <sup>00</sup>
5407A		Tom Mileage Delivery	2226 <sup>60</sup>	21,862 <sup>44</sup>
		Less 10% = 2,186 <sup>24</sup>	Total =	19,676 <sup>17</sup>
			SALES TAX	1108 <sup>69</sup>
			ESTIMATED TOTAL	20784.86

Ravin 3737

AUTHORIZATION [Signature] TITLE 247313 DATE \_\_\_\_\_

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.

# ALLIED CEMENTING CO., LLC. 034544

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Russell Ks.

DATE <u>1-16-2012</u>	SEC. <u>16</u>	TWP. <u>9 S</u>	RANGE <u>21W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 PM</u>	JOB FINISH <u>8:30 PM</u>
LEASE <u>DARNELL</u>	WELL # <u>2</u>	LOCATION <u>Parko Ks. Booster Station</u>		COUNTY <u>ROCKS</u>	STATE <u>KANSAS</u>		
OLD OR <input checked="" type="radio"/> NEW (Circle one)				<u>5 W 2 1/2 N 12 W INTD</u>			

CONTRACTOR Royal Dwg. Rig #1

TYPE OF JOB Cement Surface

HOLE SIZE 12 1/4 T.D. 221'

CASING SIZE 8 5/8 DEPTH 221'

TUBING SIZE New 20# csg DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 15'

PERFS.

DISPLACEMENT 13 1/2 / BBL

EQUIPMENT

PUMP TRUCK CEMENTER Glenn

# 417 HELPER Woody

BULK TRUCK

# 378 DRIVER Ron

BULK TRUCK

# DRIVER

OWNER

CEMENT

AMOUNT ORDERED 170 Sx Com

32 CC 22 GEL

1/4# F10-Seal PER SX

COMMON <u>170 Sx</u>	@ <u>16.25</u>	<u>2762.50</u>
POZMIX	@	
GEL <u>4 Sx</u>	@ <u>21.25</u>	<u>85.00</u>
CHLORIDE <u>6 Sx</u>	@ <u>58.20</u>	<u>349.20</u>
ASC	@	
<u>F10-Seal 43 LBS</u>	@ <u>2.70</u>	<u>116.10</u>
	@	
	@	
	@	
	@	
	@	
HANDLING <u>170 Total Sx</u>	@ <u>2.25</u>	<u>382.50</u>
MILEAGE <u>40 Ten Mile</u>	@ <u>11.9</u>	<u>478.00</u>
TOTAL		<u>4443.30</u>

REMARKS:

Ran 5 new JTS of 8 5/8 (20#)

Set @ 221' Received Circulation

+ Cement w/ 170 Sx Com 342

of 1/4# F10-Seal PER SX

Displaced 13 / BBL H<sub>2</sub>O + Shut

IN @ 250 #

Cement Circulated to Surface

THANKS

CHARGE TO: MERIDIAN ENERGY INC.

STREET \_\_\_\_\_

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

SERVICE

DEPTH OF JOB 221

PUMP TRUCK CHARGE 1125.00

EXTRA FOOTAGE @

MILEAGE 40 HV MI @ 7.00 280.00

MANIFOLD @

40 LV MI @ 4.00 160.00

@

TOTAL 1565.00

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL \_\_\_\_\_

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.

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

TOTAL CHARGES 6008.30

DISCOUNT 20/50 IF PAID IN 30 DAYS

PRINTED NAME Doug Burdig

SIGNATURE Doug Burdig

## Topeka

- 3180-3202 Ls, wt, vf xtl, soft, tr chalky, fri, no show
- 3208-3238 Ls, buff, f xtl, hard ttn no show, some chalky
- 3244-3270 Ls, wt chalky, some wt, f xtl, hard, tite no show
- 3294-3330 Ls, wt, micro xtl-f xtl, hard, tt, no show, some chalky
- 3330-3350 Ls, wt chalky, soft, no show
- 3350-3386 Ls, wt, f-c xtl, no show.

## Toronto

- 3410-3420 Ls, wt, med xtl-tr micro xtl, hard, tt, no show.

## Kansas City

- 3426-3454 Ls, wt, micro xtl, hard, tt, no show
- 3466-3474 Ls, a/a no show
- 3482-3492 Ls, buff, m xtl, one grn scat pinpt vug por, w/stn, very tt, NSFO
- 3500-3516 (CFS) Ls, wt, micro xtl-f xtl, tr por w/dead bitumen, some chalky ls, w/tr bit, all por full of bit
- 3520-3540 Ls, wt, mix micro xtl and vf-med xtl, no por, no show, tr chalky  
one grn vf granular, w lt stn, VSSFO (poor saturation), intergran por, very sparse oil droplets.
- 3548-3570 Ls, wt-gray, micro xtl hard, tt no show, tr chalky, one grn w/med xtl, sl por, lt stn very poor SFO
- 3577-3602 Ls, wt, micro xtl, tt, no show
- 3608-3620 Ls, wt f xtl-micro xtl, tite, no show  
one grn f granular w/lt stn, PSFO, fri-good por, looks wet
- 3630-3636 Ls, gray, micro xtl, tr w/oolitic, tt, no show
- 3654-3658 Ls, wt, f xtl-micro xtl, tt, no show
- 3670-3680 Ls, wt, vf sucrosic, soft, gd por, no show, couple grns oolitic, ls, w/gd oomoldic por, no show
- 3687-3700 Ls, reddish wt-purple, micro xtl, dirty/shaly, no por, hard, tt, no show
- 3700-3708 Ls, a/a cherty, some cherty ss, black, f-m grn, w/stn, SFO, most with w/bitumen, some fri, sl stn GSFO, some vug por GSFO.

## Arbuckle

- 3730-3740 Dolo, m xtl, blk stn, FSFO, gd sat when crushed, sl tite, poor por, gd odor
- 3740-3764 Dolo, brn, f xtl, sucrosic, some tt, blocky, fractured, barren of show, some w stn, SFO when crushed, most w/intergran por, some vuggy, GSFO
- 3764-3770 Dolo, hard, tt so me w/patchy por, w lt stn NSFO, rest tt, no show  
also shale, blue
- 3770-3790 Dolo, brn, tt, but fair amt dolo, clear, m granular w/gd stn, GSFO, some v fri, gd-exc por, other hard but full of brn stn, looks like dry sample with oil "bled out", good odor, oil scum.
- 3790-3821 Dolo, brn, m xtl, hard, cmted, tt, no show some dead bitumen (out of shows here)

## WELL REPORT

Well: Meridian Energy Inc. #1 Darnell  
NW NE SE Section 16  
2210' FSL x 990' FEL  
T. 9 S., R. 21 W.  
Graham County, Kansas

Elevation: GL 2211  
KB 2218

Total Depth: Driller 3819  
Logger 3821

Date spudded: 1/16/12

Date completed: 1/22/12

Drill Stem Test: None

Results: Ran pipe to further evaluate.

Drilling Contractor: Royal Drilling, Rig 2

Mud Contractor: Andy's Mud

Logs Run: DIL/CNL/FDC Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

### FORMATION TOPS

Anhydrite	1681	+534
Topeka	3180	-962
Heebner	3387	-1169
Toronto	3410	-1192
Kansas City A	3416	-1198
BKC	3640	-1422
CONG	3656	-1438
ARB	3731	-1513

TD 3831

### SAMPLE DESCRIPTIONS

Lagged 10' samples

3008-3050 Ls, drk gray-gray, vf xtln-micro xtln, hard, tt, no show  
3050-3080 Ls, bff, vf xtln, hard, tt, no show  
3100-3114 Ls, buf, m-c xtln, hard, tt, no show  
3130-3180 Ls, gray, dirty, med xtln, dark shaly ls, foss, no show



## MUD RECORD

1/21/11 @3730 MW 9.1 VIS 51 WL 8.8 MC 1/32

## DEVIATION SURVEYS

1/16/12 @ 221 1/2 degree

1/20/12 @ 3756 2 degree

## COMMENTS

Shows in ARB 3730- 3790 were streaky- lots of interbedded tt rock with better quality reservoir quality rock with good shows. Sample quality to 3756 was very poor due to worn out bit, drilling time up to 10"/ft. I suspect most of the better quality rock was ground up and didn't make it to surface. Good quality shows but of poor magnitude, were seen lower down in the Arb to 3790 in a trace of the samples. There was not a lot of show in the samples but I felt the shows were not contamination from above. Although the log suggest these lower zones are wet they might not be.

No significant shows were seen in the KC or higher zones... a few stray grns here and there, certainly nothing worth testing. The logs shows nothing of interest.

Neal La Fon  
Geologist  
Franktown, CO  
1/23/2012