



KANSAS CORPORATION COMMISSION 1095409
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 # 33937
Name: Neal LaFon Realty Inc. dba Meridian Energy Inc.
Address 1: 1475 WARD DR
Address 2: _____
City: FRANKTOWN State: CO Zip: 80116 + 9405
Contact Person: Neal LaFon
Phone: (303) 688-4022
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Neal LaFon
Purchaser: Plains Marketing LLC

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 #: _____
3/23/2012 3/30/2012 4/20/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-065-23809-00-00
Spot Description: _____
NW SE SW NE Sec. 20 Twp. 9 S. R. 21 East West
2215 Feet from North / South Line of Section
1915 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Graham
Lease Name: Kortan Well #: 1
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 2316 Kelly Bushing: 2326
Total Depth: 3900 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 211 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 3894 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: 75000 ppm Fluid volume: 100 bbls
Dewatering method used: Evaporated
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: NAOMI JAMES Date: 10/03/2012



1095409

Operator Name: Neal LaFon Realty Inc. dba Meridian Energy Inc. Lease Name: Kortan Well #: 1
 Sec. 20 Twp. 9 S. R. 21 East West County: Graham

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run: Dual Inductin Log, CNL-FDC, Microlog				

CASING RECORD <input checked="" 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
Surface	8.875	8.625	23.0	211	common	150	4%gel5%ccd
Production	8.875	5.5	15.50	3894	Class A	125	10%salt 10% 5%cosea

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	0-1763	60/40	275	8% gel, 1/4 inch floseal

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
4	3848-3852	3000 bbl polymer	3848-3852
		acid 200 gallons	3848-3852

TUBING RECORD:		Size: <u>2.875</u>	Set At: <u>3828</u>	Packer At: <u>3828</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>6/4/2012</u>			Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>20</u>		<u>80</u>		<u>26</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Comm-inged <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3848-3852</u>
--	---	--

Form	ACO1 - Well Completion
Operator	Neal LaFon Realty Inc. dba Meridian Energy Inc.
Well Name	Kortan 1
Doc ID	1095409

Tops

Anh	1796	+530
Topeka	3238	-912
Heebner	3495	-1169
Kansas City	3533	-1207
Base KC	3768	-1442
Marmaton	3780	-1454
Cong	3768	-1442
Arbuckle	3847	-1521

WELL REPORT

Well: Meridian Energy Inc. #1 Kortan
NW SE SW NE Section 20
2215' FNL x 1915' FEL
T. 9 S., R. 21 W.
Graham County, Kansas

Elevation: GL 2319
KB 2326

Total Depth: Driller 3900
Logger 3897

Date spudded: 3/23/12

Date completed: 3/30/12

Drill Stem Test: F-G zones and Arbuckle

Results: Ran pipe to test further

Drilling Contractor: Royal Rig 2

Mud Contractor: Andy's Mud

Logs Run: DIL/CNL/FDC Microlog

Wellsite Geologist: Neal LaFon- Franktown, Colorado

FORMATION TOPS

Anhydrite	1796	+530
Topeka	3238	-912
Heebner	3495	-1169
Kansas City A	3533	-1207
Base KC	3768	-1442
Marmaton	3780	-1454
Cong	3768	-1442
Arbuckle	3847	-1521

TD 3900

SAMPLE DESCRIPTIONS

Not lagged

3000-3030 Ls, gray, vvf xtln, hd, tt, no

3030-3060 Ls, a/a some wt, ns

3060-3090 Ls, a/a gray, some brn, foss, m-c xtln, hd tt, no

3090-3110 Ls, drk gray-blk, vf xtln, hd, tt, ns, ls brn m xtln, foss hd, tt, no

3110-3120 Ls, brn a/a tr ss, vvf grn, well rnded/sorted, hard, glauc, poor p, ns

3120-3130 Ls, drk gray,-blk, hd tt, micro xtl, hd, tt, ns, some brn, f-m xtl, foss, hd tt, ns
3130-3140 Ss, gray, vf grn, carbonaceous, well rned/sorted, glauc, sl fri poor p and p, ns. Ls. brn, m xtl, hd, tt ns.
3140-3150 Ss, a/a exc siltier, finer grned, ns
3150-3160 Ls, brn, f-m xtl, foss. tt, no tr Ss a/a.
3160-3170 Ls, wt, a/a finer grned. f xtl to micro xtl, foss. tt, ns, one grn oolitic w/ooclastic por, fair por. barren
3170-3180 Ls, a/a
3180-3190 a/a few pieces chalky
3190-3200 Ls, wt-br, foss, most f xtl, hd. tt, ns tr chalky, ls soft, ns
3200-3210 Ls, buff, vvf xtl, finer than above, foss, hd, tt, no some micro xtl, ns
3210-3220 Ls, gran peletoidal shaly, tt ns
Ls, st-buff micro xtl, hd, tt, ns
Ls, f xtl, foss tt, ns
Ls, wt chalky
3220-3230 Ls, buff, f xtl, tt, no
Ls, gray argillaceous, tt, ns
3230-3240 Ls, a/a
3240-3250. Ls, vf xtl, soft ns, some ls, gray, vf xtl, tt, ns

SAMPLES LAGGED

Topeka

3238- 3251 Ls, buff, f xtl, foss. tt, ns
3251-3280 Ls, gray, argillaceous, tt, ns
3284- 3300 Ls, buff, f-m xtl some med grnstn. very tt, ns
3300-3310 Ls, wt, sucrosic, vf grn, sl soft to hard, ns
3314-3330 Ls, buff, vvf grn sucrosic, most hard, ns
3330-3338 Ls, gray, micro xtl dirty, ns
3338-3345 Ls, wt, chalky soft, ns
3350- 3360 Ls, st, a/a
3360-3374 Ls, buff, vf grn hd, tt, ns
3374-3400 Ls, mix, gray micro xtl, chalky, buff vf xtl soft, buff med xtl hd, ns
3400-3408 Ls, f-m xtl, tt, ns
3408-3416 Ls, wt, chalky
3424-3430 Ls, wt, chalky, soft, ns
3438- 3450 Ls, buff, f xtl, tt, ns tr chalky
3458-3495 Ls, buff, f-m grn stn w/vug por, barren, ns

Toronto

3516-3268 Ls, wt, vf xtl-micro xtl, hd, tt, ns

Kansas City

A zone

3532-3595 Ls, wt, f xtl, hd, tt, ns

B zone

3595-3560 Ls, wt, micro xtl, hd, tt, tr chalky

C zone

3573-3583 Ls, wt, micro xtl, tt, ns trace ls, wt, med grn stn, foss, tr vug por, foss/ooclastic por, w /drk dead oil stn, NSFO tr por, one grn very tt, when broken, por in foram w/ FO.

D zone

3590-3600 Ls, wt, micro xtl, a/a, w/dead oil bitumen, in very scant por, NSFO

E-F Zone

3600-3613 Ls, wt, micro xtl, tt, ns some grn med grn stn, cemented up, tr vug por, dk stn NSFO

G Zone

3615- 3624 Ls, wt, med-coar grn stn, inter gran vug por, gd blk stn,, tr tarry, rest gd live oil, gd oil scum on cups, f-gd por, GSFO. (2-3 foot drilling break- DSTed.)

3628-3650 Ls, wt, micro xtl, hd, tt, ns

H zone

3666-3683 Ls, wt, micro xtl, hd, tt, ns,

I zone

3690-3716 Ls, wt-gray , micro xtl, hd, tt, ns (log shows perm at 3706- didn't see any por or show in here)

J-K Zone

3721-3750 Ls, wt, vf xtl, hd, tt, ns

K zone

3738- 3604 Ss, clear, f grn, well rnded/sorted very soft, about 1/2 w /dead bitumen

Marmaton

3780-3793 Ls, wt, vvf grn sucrosic, hd, tt, ns lots of black bitumen, dead, NSFO some patchy, some fully saturated

3800-3819 Ls, a/a, w tr dead bitumen.

3826-3834 Chert, orange, ls, a/a

Arbuckle zone

3847-3855 (CFS) 40" sample @ 3855

Dolo, brn. vvf xtlm, sucrosic, drk stn, tr FO when crushed, p-f SFO.

60" sample Gd slug sample Dolo, sucrosic, vf xtlm, gd scum oil on cups, gd odor, one grn with small vug GSFO.

3855-3869 Mainly, sh, green

Dolo, clear, granular, gd por, gd stn some oil scum on cups, gd odor, poor samples.

3870-3877 Dolo, f xtlm, glassey, all cemented, blocky, hd, tt, ns. some pink dolo, m xtlm, hd, tt, ns.

3877-3900 98% Dolo, pink/wt m xtlm. hd, tt ns. Trace w/ dead oil stn/bitumen in vug & inter gran por.

MUD RECORD

3/26/12 @2900	MW 8.6	VIS 52	WL 7.6	MC 1/32
3/27/12 @3511	MW 9.1	VIS 59	WL 8.0	MC 1/32
3/28/12 @3682	MW 9.2	VIS 60	WL 8.0	MC 1/32
3/29/12 @ 3872	MW 9.3	VIS 60	WL 8.8	MC 1/32

DEVIATION SURVEYS

3/23/12 @211 1 degree	3/25/12 @1913 1/2 degree
3/27/12 @ 3642 1 degree	3/29/12 @ 3900 1 1/4 degree

DRILL STEM TESTS

Dst #1 3607-3642 F-G zones

OP2 SI 45 OP 60 SI 90

FP 16-16 16-23 SIP 639-621

REC: 15' M

Dst #2 3834-3855 Arbuckle

OP2 SI 45 OP 60 SI 90

FP 38-54 58-508 SIP 1126-1125

REC: 154' GO (15% G, 85% O)

372' GWO (10% G, 60% O, 30% W)

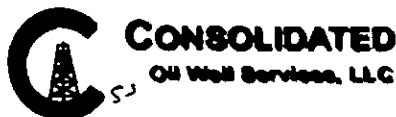
620' MW (90% W, 10% M)

Grav 23 degree, RW .1521 @ 58 degrees 54,000 ppm

COMMENTS

The well came in pretty high on the Arbuckle as expected. The DST recovered a significant amount of water, suggesting some drainage has occurred from the field to the north. All significant shows in the Kansas City were tested and proved negative.

Neal La Fon
Geologist
Franktown, CO
4/6/12



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

FIELD TICKET & TREATMENT REPORT
CEMENT

TICKET NUMBER 34461
LOCATION Oaklay Ks
FOREMAN Miles Shaw
Walt Dunkel

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-11-12	5665	Karton #1	20	9S	21W	Franklin
CUSTOMER Meridian Energy			Walcrow n to R.L E to 350 2N to J 3146.55			
MAILING ADDRESS			TRUCK #	DRIVER	TRUCK #	DRIVER
CITY			456-T118	Damon M.		
STATE			528-T127	Cady Roots		
ZIP CODE						

JOB TYPE Part Collar HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT 5 1/2
CASING DEPTH _____ DRILL PIPE _____ TUBING 2 7/8 OTHER P.C 1763'
SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT In CASING _____
DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety Meeting, rig up Equipment, Pressure Test casing to 1000*
open Tool, establish circ, mixed 275 sks 60/40 pop, 8% bel, 1/2# Flo-Seal
Displace 9 BBL H2O, Test @ 1000* after closing Tool, hold, ran 4 Jts, circ
clean
Cement Die Circ

Thank You
Walt, Miles & crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1,325.00	1,325.00
5406	50	MILEAGE	5.00	250.00
1131	275 sks	60/40 pop	15.10	4,152.50
118B	1896 #	bel	.25	474.00
1107	69 #	Flo-Seal	2.82	194.58
5407A	11.83	Tow Mileage Delivery	1.67	988.00
				7,384.08
		Less 10% Disc.		- 738.41
				6,645.67
		241970	SALES TAX	327.59
			ESTIMATED TOTAL	6973.26

Rev'n 3737

AUTHORIZATION [Signature]

TITLE _____ 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.

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 265

Date	5/23/12	Sec.	20	Twp.	9	Range	21	County	Graham	State	KS	On Location	Finish	
Lease	Kortan		Well No.	1		Location								Fake, Rollins, W to 350 Rd, 2N, 1/2 E, S, into
Contractor	Royal Drilling Rig #1						Owner							
Type Job	Surface						To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4"		T.D.	211'		Charge To							Meridian Energy	
Csg.	8 5/8"		Depth	211'		Street								
Tbg. Size			Depth			City							State	
Tool			Depth			City							State	
Cement Left in Csg.	15'		Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace	12 1/2 bbls.		Cement Amount Ordered							150 six Com 3/4" C 2% gel	
EQUIPMENT														
Pumptrk	9	No.	Cementor	Paul		Common							150	
			Helper											
Bulktrk	1A	No.	Driver	Malt		Poz. Mix								
			Driver											
Bulktrk	FU	No.	Driver	Brain		Gel.							3	
			Driver											
JOB SERVICES & REMARKS														
Remarks:							Calcium							5
Rat Hole							Hulls							
Mouse Hole							Salt							
Centralizers							Flowseal							
Baskets							Kol-Seal							
DV or Port Collar							Mud CLR 48							
Est. Core							CFL-117 or CD110 CAF 38							
Mix 150 ex							Sand							
Displace							Handling							153
Cement Circulated							Mileage							
FLOAT EQUIPMENT														
Thank You!!														
Guide Shoe														
Centralizer													8 5/8"	
Baskets														
AFU Inserts													Swage	
Float Shoe														
Latch Down														
Pumptrk Charge													Surface	
Mileage													46	
Tax														
Discount														
Total Charge														
Signature													W. B. B. B.	