

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

Confidentiality Requested

Date: _____

Confidential Release Date: _____

Wireline Log Received Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No 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				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WELCH BELL 1
Doc ID	1426375

All Electric Logs Run

ANNULAR HOLE VOLUME
ARRAY COMPENSATED TRUE RESISTIVITY LOG
ARRAY COMPENSATED TRUE RESISTIVITY LOG 1
ARRAY COMPENSATED TRUE RESISTIVITY LOG 2
BOREHOLE COMPENSATED SONIC ARRAY LOG
COMPENSATED SPECTRAL GAMMA RAY LOG
DUAL SPACED NEUTRON SPECTRAL DENSITY LOG
MICROLOG
QUAD COMBO LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	WELCH BELL 1
Doc ID	1426375

Tops

Name	Top	Datum
Stone Corral	1859	
Hutchinson Salt	2400	
Chase Group	2635	
Council Grove	2910	
Wabaunsee	3284	
Topeka	3609	
Heebner	4021	
Lansing	4120	
Swope	4546	
Marmaton	4691	
Pawnee	4795	
Cherokee	4852	
Atoka	5032	
Morrow	5180	
Chester	5434	
St Genevieve	5450	
St Louis	5525	

FIELD TICKET

Client MERIT ENERGY COMPANY

Well WELCH BELL 1

Job Description Surface

Print Date July 21, 2018



Field Ticket # FT-08921-Z3W7H00202-43786

MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100112	ACCELERATOR, SALT, CHLORIDE, CALCIUM, A-7P, PELLETS	LB	1,683.0000	\$2.40	\$4,039.20	76.00	\$969.41
L100275	Cement Additive, Sodium Metasilicate A-2	LB	903.0000	\$3.28	\$2,961.84	76.00	\$710.84
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	903.0000	\$0.72	\$650.16	76.00	\$156.04
L013156	Cement Nose, 8-5/8 in.	EA	1.0000	\$460.00	\$460.00	76.00	\$110.40
L488168	CEMENT, ASTM TYPE I	SK	655.0000	\$44.11	\$28,892.05	76.00	\$6,934.09
L017068	CENTRALIZER, 8-5/8" NON-WELD	EA	10.0000	\$246.40	\$2,464.00	76.00	\$591.36
L100120	EXTENDER, BENTONITE	LB	1,805.0000	\$2.08	\$3,754.40	76.00	\$901.06
1000080	FLOAT COLLAR, 8-5/8 IN	EA	1.0000	\$1,686.00	\$1,686.00	76.00	\$404.64
L100295	IntegraSeal CELLO	LB	328.0000	\$5.76	\$1,889.28	76.00	\$453.43
L415082	IntegraSeal KOL	LB	2,400.0000	\$1.20	\$2,880.00	76.00	\$691.20
L86718	PLUG, CEMENT 8.6 TOP	EA	1.0000	\$287.04	\$287.04	76.00	\$68.89
L100404	SALT, SODIUM CHLORIDE, A-5	LB	1,164.0000	\$1.04	\$1,210.56	76.00	\$290.53
1000101	THREAD LOCK, 8-5/8 IN.	EA	6.0000	\$375.00	\$2,250.00	76.00	\$540.00
Product Material Subtotal:					\$53,424.53		\$12,821.89

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
S-100004	Cement Crew Mobilization-Demobilization Fee	EA	1.00	\$10,880.00	\$10,880.00	91.00	\$979.200
S-100475	Cement head	EA	1.00	\$2,656.00	\$2,656.00	91.00	\$239.040
S-100049	Cement pump charge, 1,001-2,000 feet/ 301-600 m	4/HR	1.00	\$4,680.00	\$4,680.00	91.00	\$421.200
S-100066	Cement pump charge, Additional Hours	HR	3.00	\$2,720.00	\$8,160.00	91.00	\$734.400

Cementing Treatment



Injection Rate (bpm)

Fluid Density (ppg)

Injection Pressure (psi)

ISIP (psi)

Type of Squeeze

FSIP (psi)

Operators Max SQ Pressure (psi)

COMMENTS

Treatment Report

Set @ 1788

pump 10bbbls of fresh water spacer, pump 182.5bbbls of lead cement, pump 39.3bbbls of tail cement, drop plug pump 111bbbls of fresh water displacement. bump plug and check if float holds

Job Summary

job summary on event log

FIELD TICKET

Client MERIT ENERGY COMPANY

Well WELCH BELL 1

Job Description Long String

Print Date July 25, 2018



Field Ticket # FT-09112-B6V7W10202-49061

MATERIALS

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
L100318	CEMENT EXTENDER, GYPSUM, A-10	LB	1,394.0000	\$0.72	\$1,003.68	78.00	\$220.81
L013152	Cement Nose, 5-1/2 in.	EA	1.0000	\$561.00	\$561.00	64.00	\$201.96
L488168	CEMENT, ASTM TYPE I	SK	180.0000	\$44.11	\$7,939.80	78.00	\$1,746.76
L100022	CEMENT, CLASS H, HSR	SK	45.0000	\$50.27	\$2,262.15	78.00	\$497.67
L100317	CEMENT, FLY ASH (POZZOLAN)	SK	45.0000	\$25.68	\$1,155.60	78.00	\$254.23
L017064	CENTRALIZER,5-1/2"NON-WELD	EA	20.0000	\$193.05	\$3,861.00	78.00	\$849.42
L017116	Collars and Cement Baskets, 5-1/2 in.	EA	1.0000	\$1,550.00	\$1,550.00	78.00	\$341.00
L100290	DISPERSANT, CD-31	LB	16.0000	\$14.74	\$235.84	78.00	\$51.88
L100120	EXTENDER, BENTONITE	LB	610.0000	\$2.08	\$1,268.80	78.00	\$279.14
L488015	FLUID LOSS, FL-52	LB	123.0000	\$23.28	\$2,863.44	78.00	\$629.96
L101196	FOAM PREVENTER, FP-25	LB	64.0000	\$14.52	\$929.28	78.00	\$204.44
L488466	GELLANT WATER, GW-86	LB	27.0000	\$73.12	\$1,974.24	78.00	\$434.33
L100295	IntegraSeal CELLO	LB	68.0000	\$5.76	\$391.68	78.00	\$86.17
L415082	IntegraSeal KOL	LB	1,350.0000	\$1.20	\$1,620.00	78.00	\$356.40
L017421	Latch Down Plug & Assembly, 5-1/2 in.	EA	1.0000	\$1,750.00	\$1,750.00	68.00	\$560.00
L100404	SALT,SODIUM CHLORIDE, A-5	LB	1,993.0000	\$1.04	\$2,072.72	78.00	\$456.00
L100121	SAND, S-8, Silica Flour, 200 Mesh	LB	2,571.0000	\$0.48	\$1,234.08	20.00	\$987.26
L017348	STAGE TOOL,CEM,5-1/2"N80,8RD-L	EA	1.0000	\$11,495.00	\$11,495.00	60.00	\$4,598.00
Product Material Subtotal:					\$44,168.31		\$12,755.43

SERVICES

Product Code	Description	UOM	Quantity	List Price	Gross Amount	Disc (%)	Net Amount
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EVENT LOG

Service Line Ce
Client

District

3	WELCH BELL 1	07/25/2018 03:20:00	07/25/2018 03:30:00	0.17	Operations Spot Units					SPOT EQUIPMENT
4	WELCH BELL 1	07/25/2018 03:30:00	07/25/2018 03:40:00	0.17	Operations Safety Meeting					STEACS BRIEFING
5	WELCH BELL 1	07/25/2018 03:40:00	07/25/2018 04:10:00	0.50	Operations Rig Up					RIG UP GROUND
6	WELCH BELL 1	07/25/2018 04:10:00	07/25/2018 05:15:00	1.08	StandBy Customer					RUNNING CASING
7	WELCH BELL 1	07/25/2018 05:15:00	07/25/2018 05:25:00	0.17	StandBy Customer					CASING ON BOTTOM
8	WELCH BELL 1	07/25/2018 05:25:00	07/25/2018 05:45:00	0.33	Operations Rig Up					STAB CMT HEAD AND CIRCULATE
9	WELCH BELL 1	07/25/2018 05:45:00	07/25/2018 05:53:00	0.13	Operations Safety Meeting					STEACS BRIEFING

EVENT LOG

Service Line Ce

Client

District

10	WELCH BELL 1	07/25/2018 05:53:00	07/25/2018 05:55:00	0.03	Operations Rig Up									SWITCH LINES TO BJ
11	WELCH BELL 1	07/25/2018 05:55:00	07/25/2018 06:01:00	0.10	Operations Pressure Test	8.3000	1.00	2.00	2500.00	TEST LINES				
12	WELCH BELL 1	07/25/2018 06:01:00	07/25/2018 06:07:00	0.10	Operations Pump Spacer	10.0000	2.00	12.00	280.00	INTEGRAGUA RD SPACER				
13	WELCH BELL 1	07/25/2018 06:07:00	07/25/2018 06:20:00	0.22	Operations Pumping Cement	13.6000	2.00	26.00	160.00	90 SKS CMT				
14	WELCH BELL 1	07/25/2018 06:20:00	07/25/2018 06:24:00	0.07	Operations Clean Pumps and Lines					SHUTDOWN / CLEAN LINES				
15	WELCH BELL 1	07/25/2018 06:24:00	07/25/2018 06:30:00	0.10	Operations Drop Top Plug					DROP PLUG				
16	WELCH BELL 1	07/25/2018 06:30:00	07/25/2018 06:32:00	0.03	Operations Pump Displacement	8.3000	5.00	10.00	150.00	FRESH WATER				

EVENT LOG

Service Line Ce
 Client

District

17	WELCH BELL 1	07/25/2018 06:32:00	07/25/2018 06:33:00	0.02 Operations Pump Displacement	9.1000	5.00	150.00 MUD
18	WELCH BELL 1	07/25/2018 06:33:00	07/25/2018 06:53:00	0.33 Operations Other (See comment)	9.1000	5.00	200.00 DISPLACEMENT REACHED CMT
19	WELCH BELL 1	07/25/2018 06:53:00	07/25/2018 06:57:00	0.07 Operations Other (See comment)	9.1000	2.50	110.00
20	WELCH BELL 1	07/25/2018 06:57:00	07/25/2018 07:00:00	0.05 Operations Land Plug	9.1000	2.50	128.00
21	WELCH BELL 1	07/25/2018 07:00:00	07/25/2018 07:40:00	0.67 Operations Drop Opening Plug			810.00 SLOW RATE LANDED AT 740 PSI / 500 PSI OVER
22	WELCH BELL 1	07/25/2018 07:40:00	07/25/2018 07:45:00	0.08 Operations Other (See comment)	9.1000	4.00	5.00
							680.00 OPENED DV TOOL WITH 680 PSI

EVENT LOG

Service Line

Ce

Client

District

23	WELCH BELL 1	07/25/2018 07:45:00	07/25/2018 11:07:00	3.37 Operations Circulate Well	0	13.600	3.00	17.00	80.00	RIG CIRCULATING 4 HOURS
24	WELCH BELL 1	07/25/2018 11:07:00	07/25/2018 11:20:00	0.22 Operations Pumping Cement	0	8.3000	4.00	10.00	80.00	RAT & MOUSE HOLE CLEAN LINES AND PUMP
25	WELCH BELL 1	07/25/2018 11:20:00	07/25/2018 23:30:37	12.18 Operations Clean Pumps and Lines		10.000	2.00	12.00	200.00	INTEGRAGUA RD SPACER
26	WELCH BELL 1	07/25/2018 23:30:37	07/25/2018 23:34:14	0.06 Operations Pump Spacer	0	13.600	4.00	44.00	140.00	130 SKS CMT
27	WELCH BELL 1	07/25/2018 23:34:14	07/25/2018 23:45:15	0.18 Operations Pumping Cement	0					
28	WELCH BELL 1	07/25/2018 23:45:15	07/25/2018 23:48:48	0.06 Operations Clean Pumps and Lines						SHUTDOWN / CLEAN LINES
29	WELCH BELL 1	07/25/2018 23:48:48	07/25/2018 11:52:00	-11.95 Operations Drop Closing Plug						DROP CLOSING PLUG

Set @ 5545