



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  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				

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*  
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 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)*

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

<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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MARLENE 8-1
Doc ID	1257526

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY LOG
BOREHOLE COMPENSATED SONIC ARRAY LOG
MICROLOG
QUAD COMBO LOG
REPEAT PASS
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MARLENE 8-1
Doc ID	1257526

Tops

Name	Top	Datum
Heebner	3793	
Toronto	3811	
Lansing	3848	
Kansas City	4183	
Marmaton	4341	
Pawnee	4432	
Cherokee	4474	
Morrow	4667	
St Genevieve	4766	
St Louis	4788	



## Summary of Changes

Lease Name and Number: MARLENE 8-1

API/Permit #: 15-055-22364-00-00

Doc ID: 1257526

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value
Approved Date	05/01/2015	07/10/2015
Contractor License Number	35070	99975
Contractor Name	Saxon Drilling, LP	COMPANY SERVICING TOOLS
Kelly Bushing Elevation	2985	2984
Save Link	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1251282">../..//kcc/detail/operatorEditDetail.cfm?docID=1251282</a>	<a href="http://.../kcc/detail/operatorEditDetail.cfm?docID=1257526">../..//kcc/detail/operatorEditDetail.cfm?docID=1257526</a>



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](mailto: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	MARLENE 8-1
Doc ID	1251282

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY LOG
BOREHOLE COMPENSATED SONIC ARRAY LOG
MICROLOG
QUAD COMBO LOG
REPEAT PASS
SPECTRAL DENSITY DUAL SPACED NEUTRON LOG

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MARLENE 8-1
Doc ID	1251282

Tops

Name	Top	Datum
Heebner	3793	
Toronto	3811	
Lansing	3848	
Kansas City	4183	
Marmaton	4341	
Pawnee	4432	
Cherokee	4474	
Morrow	4667	
St Genevieve	4766	
St Louis	4788	

Form	ACO1 - Well Completion
Operator	Merit Energy Company, LLC
Well Name	MARLENE 8-1
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	4740-4747 Morrow	Frac-1001 BBLs, 42,226 LBS OF 40/70 WHITE SAND, 1,990,000 SCF	4740-4747



# ALLIED OIL & GAS SERVICES, LLC 052805

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
Liberal Ks

DATE <u>01-04-15</u>	SEC. <u>8</u>	TWP. <u>22S</u>	RANGE <u>34W.</u>	CALLED OUT	ON LOCATION	JOB START <u>6:30</u>	JOB FINISH <u>7:30am</u>
LEASE <u>Marlene</u>	WELL# <u>8-1</u>	LOCATION <u>Garden City W. 50+ Byrd</u>			COUNTY <u>Finney</u>	STATE <u>Ks</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>Rd. N 10 Mi, E 1/2 M. N Inte.</u>			

CONTRACTOR Saxon # 146 OWNER Merit Energy

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 1733 ft CEMENT AMOUNT ORDERED 350 sk AMDC "C", 3% CC,

CASING SIZE 8 5/8 24T DEPTH 1732.91 ft 1/4 lb/sk F.S., 2% SA-51

TUBING SIZE DEPTH 200 sk "C", 3% CC, 1/4 lb/sk F.S.

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1200 PSI MINIMUM COMMON "C" 200 sk @ 24.40 4,880.00

MEAS. LINE SHOE JOINT 43.70 ft POZMIX @

CEMENT LEFT IN CSG. 2.8 Bbls GEL @

PERFS. CHLORIDE 21 sk @ 64 1,344.00

DISPLACEMENT 107.5 Bbls ASC @

**EQUIPMENT**

PUMP TRUCK CEMENTER Ruben Chavez AMDC "C" 350 sk @ 31.00 10,850.00

# 531-541 HELPER Jaime Torres Flo-Seal 138 Lb @ 2.97 409.86

BULK TRUCK DRIVER Jose Andres Zubia SA-51 66 Lb @ 17.55 1,158.30

# 994-642 DRIVER Andres Zubia

BULK TRUCK DRIVER Cesar Pavia

# 774-744 DRIVER Cesar Pavia

Pump -501 - Heriberto Valenzuela

**REMARKS:**

TOTAL 18,642.16

**SERVICE**

Well Marlene 8-1.

AFE 3530T

GL 83001075

Office Garden City

Date 1/4/15

Mat Handling 617.61 cft @ 2.48	-	1,531.67
PUMP TRUCK CHARGE		2,213.75
Drayage 1369.26 T.M @ 2.60		3,560.07
MILEAGE heavy 50 M @ 7.70		385.00
MANIFOLD + head 1 @ 275.00		275.00
Light Vehicle 50 M. @ 4.40		220.00

TOTAL 8,185.49

CHARGE TO: MERIT ENERGY  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

N.R. Top plug 1		963.81
N.R. Float Collar 1 @		1,440.00
Guide Shoe 1 @		460.00
Centralizer 14 @ 75.00		1,050.00
stop collar 1 @		56.00

TOTAL 3,969.81

To: Allied Oil & Gas Services, 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 30,797.46

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

PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**NET = 20,634.30**

# ALLIED OIL & GAS SERVICES, LLC 052806

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Liberal KS

DATE <u>11-08-15</u>	SEC. <u>8</u>	TWP. <u>22S</u>	RANGE <u>34 W.</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00</u>	JOB FINISH <u>5:00 a.m.</u>
LEASE <u>Marlene</u>	WELL # <u>8-1</u>	LOCATION <u>Hwy 50 + Byrd Rd, In Borden City</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)		N 10 Mi, E 1/2, N into:					

CONTRACTOR Saxon # 146  
 TYPE OF JOB Production 4995 ft  
 HOLE SIZE 7 7/8 T.D.  
 CASING SIZE 5 1/2 17# DEPTH 4993 ft  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX 1500 PSI MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 44.5 ft  
 CEMENT LEFT IN CSG. 1 BBIS  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 115 BBIS.  
 EQUIPMENT \_\_\_\_\_  
 PUMP TRUCK CEMENTER Ruben Chavez  
 # 531-541 HELPER Jaime Torres  
 BULK TRUCK \_\_\_\_\_  
 # 774-744 DRIVER Jose Calderon  
 BULK TRUCK \_\_\_\_\_  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER MERIT ENERGY  
 CEMENT  
 AMOUNT ORDERED 245 sk 50/50 Piz-H  
2% Gel, 5% Fl-160, 2% Dispersant,  
5% Gyp Seal, 10% Salt Brine, 5 lbs/sk Gils,  
1/4 lb/sk F.S.  
 COMMON @ \_\_\_\_\_  
 POZMIX @ \_\_\_\_\_  
 GEL @ \_\_\_\_\_  
 CHLORIDE @ \_\_\_\_\_  
 \* Allied sulso H-245 sk @ 16.85 4128.25  
Super Flush 12 BA @ 58.70 704.40  
FL-160 103 Lb @ 18.90 1946.70  
CO-31 42 Lb @ 10.30 432.60  
Gyp Seal 21 sk @ 37.60 789.60  
Salt 15 sk @ 26.35 395.25  
Gilsonite 1225 lb @ .98 1,200.50  
Floselect 62 Lb @ 2.97 184.14  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

REMARKS:

TOTAL 9,781.44

Well Marlene 8-1  
AFE 35307  
GL 83001075  
Office Garden City  
Date 1/8/15

SERVICE

Mat Handling 330 T.C.F @ 2.48 - 820.31  
 PUMP TRUCK CHARGE 3,099.25  
Dragage 623.42 T.M @ 2.60 1,620.88  
 MILEAGE heavy 50 Mi @ 7.70 385.00  
 MANIFOLD head 1 @ 275.00 275.00  
Light Vehicle 50 Mi @ 4.40 220.00  
Circulating Iron 1 @ 400.00 400.00

TOTAL 6,820.44

CHARGE TO: MERIT ENERGY  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

Weatherport Top Reply 1 @ 258.26  
S.S. Float Collar 1 @ 725.00  
Centralizer 20 @ 57.00 1,140.00  
Guide Shoe 1 @ 281.00  
Clamp-stop collar 1 @ 49.00  
 @ \_\_\_\_\_

TOTAL 2,453.26

To: Allied Oil & Gas Services, 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 19,055.14  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE \_\_\_\_\_

**NET = 12,766.94**