

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
APPLICATION FOR SURFACE PIT**

Form CDP-1  
May 2010  
Form must be Typed

*Submit in Duplicate*

Operator Name: _____		License Number: _____	
Operator Address: _____			
Contact Person: _____		Phone Number: _____	
Lease Name & Well No.: _____		Pit Location (QQQQ): _____ - _____ - _____ - _____	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: _____ (bbls)	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input type="checkbox"/> No	
How is the pit lined if a plastic liner is not used?		_____	
Pit dimensions (all but working pits):    _____ Length (feet)    _____ Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: _____ (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure.		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring.	
Distance to nearest water well within one-mile of pit: _____ feet    Depth of water well _____ feet		Depth to shallowest fresh water _____ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input type="checkbox"/> KDWR	
<b>Emergency, Settling and Burn Pits ONLY:</b> Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Drilling, Workover and Haul-Off Pits ONLY:</b> Type of material utilized in drilling/workover: _____ Number of working pits to be utilized: _____ Abandonment procedure: _____ _____ Drill pits must be closed within 365 days of spud date.	
<h2>Submitted Electronically</h2>			

<b>KCC OFFICE USE ONLY</b>			
Date Received: _____		Permit Number: _____	
Permit Date: _____		Lease Inspection: <input type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Liner		<input type="checkbox"/> Steel Pit	
<input type="checkbox"/> RFAC		<input type="checkbox"/> RFAS	

**PERMIT EXPIRES : 08/06/2019**

# WELL FILE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**FLse**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

<p>1. Type of Well  <input type="checkbox"/> Oil Well   <input checked="" type="checkbox"/> Gas Well   <input type="checkbox"/> Other</p>	<p>5. Lease Serial No. <b>KSNM77181</b></p>
<p>2. Name of Operator <b>MERIT ENERGY COMPANY</b></p>	<p>6. If Indian, Allottee or Tribe Name</p>
<p>3a. Address <b>13727 NOEL RD STE 500 DALLAS, TX 75240</b></p>	<p>7. If Unit or CA/Agreement, Name and/or No. <b>NM041A2086C1035   KSNM75249</b></p>
<p>3b. Phone No. (include area code) Ph: 972-628-1660 Fx: 972-628-1690</p>	<p>8. Well Name and No. <b>DUNKLE A 1</b></p>
<p>4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Sec 1 T33S R41W SESE</b></p>	<p>9. API Well No. <b>15-129-20220-00-S1</b></p>
	<p>10. Field and Pool or Exploratory Area <b>RICHFIELD</b></p>
	<p>11. County or Parish, State <b>MORTON COUNTY, KS</b></p>

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation. Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

Merit Energy Company request approval to plug and abandon the above referenced well. The plugging procedure, current & proposed WBD's, and reclamation procedure are attached.

Adj DCR 03/29/19  
 Eng S. Blum  
 Adj \_\_\_\_\_

Approved with Conditions  
 'See Attached Conditions of Approval'  
 S. Blum

14. I hereby certify that the foregoing is true and correct.	
<b>Electronic Submission #459545 verified by the BLM Well Information System          For MERIT ENERGY COMPANY, sent to the Tulsa          Committed to AFMSS for processing by DALE ROBINS on 03/29/2019 (19DCR0142SE)</b>	
Name (Printed/Typed) <b>KATHERINE A MCCLURKAN</b>	Title <b>REGULATORY ANALYST</b>
Signature (Electronic Submission)	Date <b>03/28/2019</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>S. Blum</u>	Title <u>Retroactive Engin</u>	Date <u>4/3/2019</u>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Oklahoma Field Office  
201 Stephenson Parkway, Ste. 1200  
Norman, Oklahoma 73072  
www.blm.gov/nm



## ENGINEERING CONDITIONS OF APPROVAL FOR THE PLUG AND ABANDON SUNDRY

Well Name: Dunkle A #1 Lease No: KSNM 75249 Lse. #77181  
Location: SE-SE Sec. 1, T33S-R41W Morton County, KS.  
API Number: 15-129-20220  
Operator: Merit Energy Company Date: April 3, 2019  
Completed by Date: June 15, 2019

**A COPY OF THESE CONDITIONS OF APPROVAL MUST BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE**

### SPECIFIC CONDITIONS OF APPROVAL

Assure BTW (?) to surface is covered with cement.  
8.625" Surface Casing Shoe set at 1615'. Cement to surface.  
4.5" Production Casing Shoe set at 3335'. TOC 1750', PBTB -CIBP @ 3040'  
Top Perf: 2812'-3012'

#### Recommended Revised Procedure 4/3/2019

1. MIRUPU, POOH with rods, pump, and tbg..
2. **Bottom Plug:** RIH w/4.5" CIBP and set at ~2762' (~50' above top perf) and cap with ~20 sxs. 15.3# Class "C" cement. Fill 4.5" casing w/9.3# mud as required. POOH with tbg.. WOC-Tag TOC ~2582' or higher.
3. **300' Stub Plug and Shoe Plug:** Weld on 4.5" casing, free point and cut 4.5" casing at ~1750' (TOC). POOH laying down 4.5" casing. RIH and spot 15.3# Class "C" cement 100' in 4.5" casing cut and 200' above the 8.625" surface casing shoe (~1850'-1415'). Note: The 4.5' casing cut can be between 1665' (50' below the surface shoe) and 1750' (TOC). WOC-tag cement shoe plug at 1415' or higher.
4. **BTW (?) Plug:** Spot BTW (?) 15.3# Class "C" cement plug from 100' below to surface.
5. Tag and Top off with cement, and cap.

## GENERAL CONDITIONS OF APPROVAL

1. At least three work days prior to operations (no voice mail or fax accepted, person to person contact only Monday-Friday) notify BLM Inspection and Enforcement on call 405-245-5048 so that a representative of this office may be present to witness the operations.
2. Cement slurry shall be Class "A" (1.18 cf/sx), Class "C" (1.32 cf/sx), Class "G" (1.15cf/sx), or Class "H" (1.06 cf/sx). Cement retarders or accelerators shall be used if necessary.
3. Treatable water shall be protected from 100' below the base of the treatable water table to surface. Operator is responsible for contacting the Oklahoma Corporation Commission for the base of treatable water depth.
4. Mud: Each of the intervals between plugs shall be filled with 9.3#/gal drilling mud or mud of sufficient mud weight to stabilize the well bore.
5. Prior to perforating any casing string, adequate BOPs, lubricators, and controls shall be installed and function tested.
6. It shall be left to the discretion of the BLM representative on location while plugging as to whether or not any additional cement plugs shall need to be tagged or pressure tested.
7. Surface Plug: A cement plug of at least 50' shall be placed across all annuluses.
8. Surface Cap: The casing will be cut off a minimum of 3' below ground level and the well bore capped with a ¼ inch thick metal plate. The plate shall contain the following inscription information: legal description, well number, lease number, API no., and date. The plate shall be welded in place. A weep hole will be left in the plate.
9. Note: The date inscribed on plate shall be the date well was plugged and abandoned and shall be reported on the 3160-5 sundry form.
10. Surface Restoration: Flat tanks or frac tanks, you are required to empty the tanks by tank truck and waste to be disposed in an authorized facility. Any excess drilling mud shall be disposed of in an authorized facility, reused at a well currently drilling, or hauled to a mud company central facility for reconditioning/reuse. Any cellar shall be filled with soil to ground level.
11. Surface reclamation: The surface of the lands disturbed in connection with the conduct of operations shall be reclaimed in accordance with the previously approved reclamation plan in the APD. Surface reclamation should be coordinated with the Bureau of Land Management Multi-Resources, 201 Stephenson Parkway, Suite 1200, Norman, OK. 73072, telephone (405) 579-7100.
12. Regulations require that an original and four copies of the Sundry Notice (Form 3160-5, enclosed) be submitted within thirty (30) days after completion of operations. Summarize operations performed, including all pertinent dates and results of operations.

*BLM Contact Information:*

<i>Inspections &amp; Enforcement:</i>	<i>Mr. Zach Lawrence</i>	<i>405-579-7158 (office) 405-818-3288 (cell)</i>	<i>zlawrence@blm.gov</i>
	<i>On Call Line</i>	<i>1-405-245-5048</i>	
<i>Petroleum Engineer:</i>	<i>Mr. Steven Bleem</i>	<i>(405)579-7138 (office)</i>	<i>sbleem@blm.gov</i>

The plugging procedures and the conditions for approval have been reviewed and approved 4-3-2019 for implementation by Steven Bleem Petroleum Engineers and are subject to the conditions of approval. Please contact the Inspection and Enforcement on call line 405-245-5048 seventy two hours before rigging up on the well to schedule a field inspector to be on location to witness the plugging operations and assure the subject well is plugged in accordance to Federal Rules and Regulations.



Steven Bleem  
April 3, 2019

# MERIT ENERGY COMPANY

## WELLBORE DIAGRAM

LEASE & WELL NO. Dunkle A-1  
 FIELD NAME Dunkleberger  
 LOCATION 1 - 33S - 41W

FORMER NAME N/A  
 COUNTY & STATE Morton, KS  
 API NO. 151292022000  
 WBS DATE 3/12/2019 LG

SURFACE CASING

SIZE 8 5/8" WEIGHT 24# DEPTH 1615'  
 GRADE \_\_\_\_\_ SX. CMT. 750 sx TOC surf

PRODUCTION CASING

SIZE 4 1/2" WEIGHT 10.5# DEPTH 3335'  
 GRADE \_\_\_\_\_ SX. CMT. 275 sx TOC \_\_\_\_\_

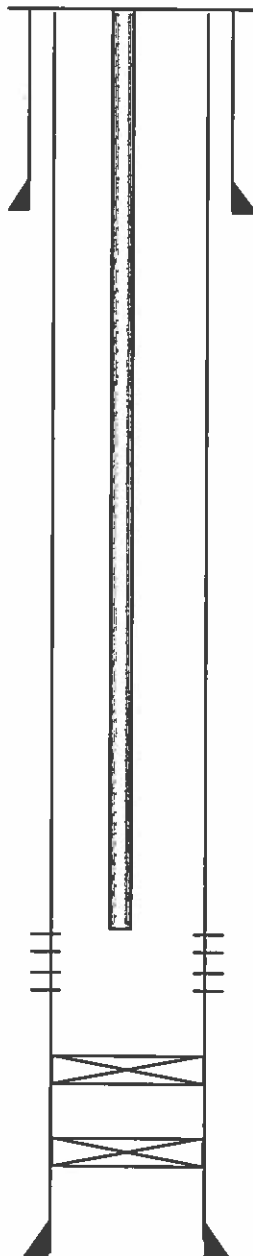
PBTD@ 3040'  
 TD@ 5740'

TUBING

2 3/8" x 10 TP  
 SN  
 95 - 2 3/8" tbg  
 SN @ 2987

Rod String

119 - 5/8" rods  
 2 x 1 1/4" x 10' pump



Wabaunsee, Americus, Admire

2812 - 2856  
 2892 - 2934  
 2965 - 2992  
 3005 - 3012

CIBP @ 3040

3248 - 3252  
 CIBP @ 3260  
 3268 - 3272

# MERIT ENERGY COMPANY

## PROPOSED WELLBORE DIAGRAM

LEASE & WELL NO. Dunkle A-1  
 FIELD NAME Dunkleberger  
 LOCATION 1 - 33S - 41W

FORMER NAME N/A  
 COUNTY & STATE Morton, KS  
 API NO. 151292022000  
 WBS DATE 3/27/2019 LG

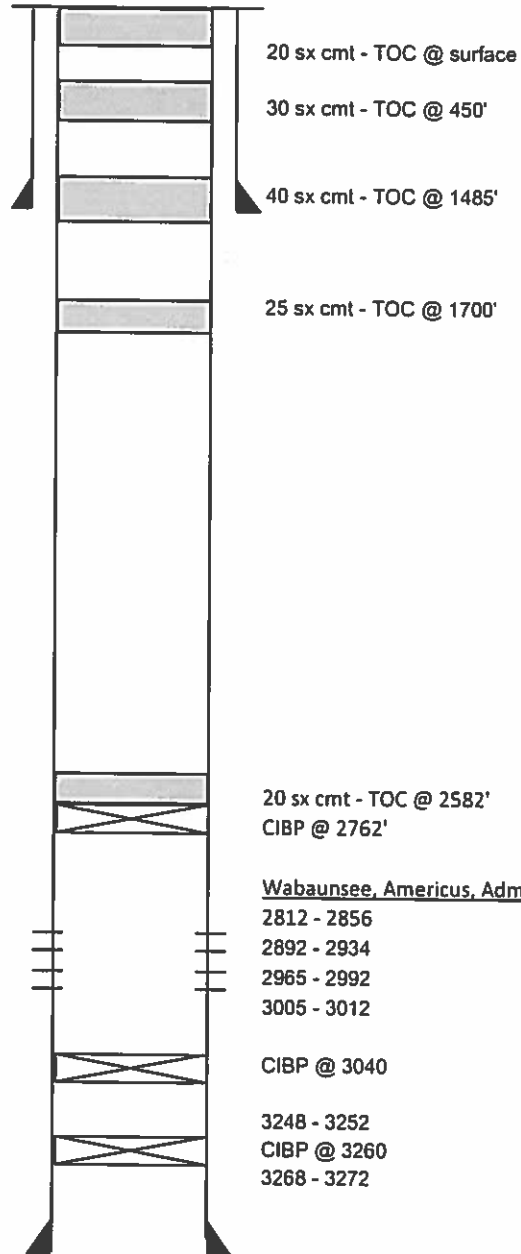
**SURFACE CASING**

SIZE 8 5/8" WEIGHT 24# DEPTH 1615'  
 GRADE \_\_\_\_\_ SX. CMT. 750 sx TOC surf

**PRODUCTION CASING**

SIZE 4 1/2" WEIGHT 10.5# DEPTH 3335'  
 GRADE \_\_\_\_\_ SX. CMT. 275 sx TOC 1750'

PBTD@ surface  
 TD@ 5740'



*Plugging Procedures for:*

Merit Energy Company  
Dunkle A-1  
Sec 1-T33S-R41W  
Morton Co., KS  
API# 15-129-20220

MIRU. Check pressures on casing and tubing. Ensure 0 psi, bleed off, or kill well if necessary.  
Dig around wellhead, remove big section and install BOP.

TOOH w/ rod string (119 jts of 5/8" rods and 2 x 1 1/2" x 10' pump).

TOOH w/ tubing string (2 3/8" x 10' TP; SN: 95 jts of 2 3/8" tubing) SN @ 2987'

Pump 31 bbls mud down hole.

TIH w/ 4 1/2" CIBP and set @ 2762', spotting 20 sx cement on top. (2582' to 2762')

POOH and rig up WL to cut pipe. Cut pipe at 1750'.

Weld on ext to 4 1/2" and POOH w/ 1750' of casing, laying down.

TIH to 1800' and spot 25 sx cement from 1700' to 1800'.

PU to 1485', circ 4 hrs and spot 40 sx cmt. from 1485' to 1655'.

PU to 450', circulate and WOC 4 hrs.

Spot 30 sx cement from 450' to 600'

PU to 35' and circulate 4 hrs, to WOC.

Spot 20 sx cement from 34' to surface.

Weld on dated ID plate.

Cover up hole, pull up anchors, clean up location. Move rig and equipment off location.



**Merit Energy Company  
Dunkle|A-1  
Sec 1-T33S-R41W  
Morton Co., KS  
API# 15-129-20220**

**Reclamation Procedure:**

All equipment (tank batteries, pumping units, metering houses, etc.) will be removed from location.

All disturbed areas will have caliche/gravel/cement removed.

All applicable slopes will be recontoured to original conditions and entire disturbed areas will be backfilled with topsoil.

The disturbed area will be landscaped and seeded with the requirements provided by the surface owner, in order to revegetate location to native species.

## Revisions to Operator-Submitted EC Data for Sundry Notice #459545

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	ABD NOI	ABD NOI
Lease:	FEE	KSNM77181
Agreement:	KSNM100060X	NM041A2086C1035 (KSNM75249)
Operator:	MERIT ENERGY COMPANY 13727 NOEL ROAD SUITE 1200 DALLAS, TX 75240 Ph: 972-628-1660	MERIT ENERGY COMPANY 13727 NOEL RD STE 500 DALLAS, TX 75240 Ph: 972.628.1546
Admin Contact:	KATHERINE A MCCLURKAN REGULATORY ANALYST E-Mail: kathy.mcclurkan@meritenergy.com Cell: 972-628-1660 Ph: 972-628-1660 Fx: 972-628-1690	KATHERINE A MCCLURKAN REGULATORY ANALYST E-Mail: kathy.mcclurkan@meritenergy.com Cell: 972-628-1660 Ph: 972-628-1660 Fx: 972-628-1690
Tech Contact:	KATHERINE A MCCLURKAN REGULATORY ANALYST E-Mail: kathy.mcclurkan@meritenergy.com Cell: 972-628-1660 Ph: 972-628-1660 Fx: 972-628-1690	KATHERINE A MCCLURKAN REGULATORY ANALYST E-Mail: kathy.mcclurkan@meritenergy.com Cell: 972-628-1660 Ph: 972-628-1660 Fx: 972-628-1690
Location:		
State:	KS	KS
County:	MORTON	MORTON
Field/Pool:	SANTA FE TRAIL	RICHFIELD
Well/Facility:	DUNKLE A 1 Sec 1 T33S R41W SESE 660FSL 660FEL 37.201670 N Lat, 101.720548 W Lon	DUNKLE A 1 Sec 1 T33S R41W SESE