API NUMBER: 121 24875

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)

Approval Date: 08/05/2021

Expiration Date: 02/05/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

				<u></u>		<u>O DIVILL</u>							
WELL LOCATION:	Section: 26	Township: 7N	Range:	13E County:	PITT	SBURG							
SPOT LOCATION:	NW NW NV	/ NE	FEET FROM QUARTER:	FROM NORTH	FR	OM EAST							
			SECTION LINES:	247		2443							
Lease Name:	FREDERICK		,	Vell No: 9-26H35	i		Well v	vill be	165	feet from n	earest unit or	lease	boundary.
Operator Name:	MERIT ENERGY COM	PANY	Tel	ephone: 9726281	569					OTC/0	OCC Numbe	r:	18934 0
MERIT ENER	RGY COMPANY] [CHARLES E & C	CAROL	COLL	IER				
13727 NOEL RD STE 1200						2014 SUNSHINE ROAD							
DALLAS, TX 75240-7312						INDIANOLA				OK	74442		
<i>D</i> / (22 / (0))		17. 7.	2107012			INDIANOLA				OK	74442		
					_								
Formation(s)	(Permit Valid for	Listed Format	ions Only):										
Name		Code	D	epth									
1 WOODFORE	D	319WDFD	6	000									
Spacing Orders:	671849		Location	on Exception Order	rs:	719882			Inc	creased Densi	ity Orders: 7	71988	0
	719883										7	71987	9
Pending CD Numbers: No Pending Working interest owne						otified: ***				Speci	ial Orders: N	o Spe	ecial Orders
-													
Total Depth: 1	17500 Ground	Elevation: 713	Su	face Casing:	18	00		Depth to	o base	of Treatable W	Vater-Bearing F	-M: 4	40
					Į				D	eep surfac	ce casing h	as b	een approved
Under	Federal Jurisdiction: N	0				Approved Method for disposal of Drilling Fluids:							
Fresh Water Supply Well Drilled: No						A. Evaporation/dewater and backfilling of reserve pit.							
Surface Water used to Drill: Yes						B. Solidification of pit contents.							
						H. (Other)			SEE MI				
						G. Haul to recycling/re-	use facility	/	Sec. 28	Twn. 3N Rng	g. 9E Cnty. 29 (Order	No: 714924
PIT 1 INFOR	MATION					Category	of Pit: 1	IB					
Type of Pit System: ON SITE						Liner required for Category: 1B							
Type of Mud System: WATER BASED						Pit Location is: BED AQUIFER							
Chlorides Max: 8000 Average: 5000						Pit Location Forn	nation:	THURM.	AN				
Is depth to	top of ground water grea	ter than 10ft belov	base of pit? Y										
Within 1 r	mile of municipal water w	ell? N											
	Wellhead Protection Ar	ea? N											
Pit <u>is</u> lo	ocated in a Hydrologically	Sensitive Area.											
PIT 2 INFORMATION						Category of Pit: 3							
Type of Pit System: ON SITE						Liner required for Category: 3							
Type of Mud System: OIL BASED						Pit Location is: BED AQUIFER							
Chlorides Max: 300000 Average: 200000						Pit Location Formation: THURMAN							
Is depth to	top of ground water grea	ter than 10ft belov	base of pit? Y										
Within 1 r	mile of municipal water w	ell? N											
	Wellhead Protection Ar	ea? N											
Pit <u>is</u> lo	ocated in a Hydrologically	Sensitive Area.											

MULTI UNIT HOLE 1

Section: 35 Township: 7N Range: 13E Meridian: IM Total Length: 10219

County: PITTSBURG Measured Total Depth: 17500

Spot Location of End Point: SW SE SE SE True Vertical Depth: 6700

Feet From: SOUTH

1/4 Section Line: 165

End Point Location from
Lease, Unit, or Property Line: 165

NOTES:

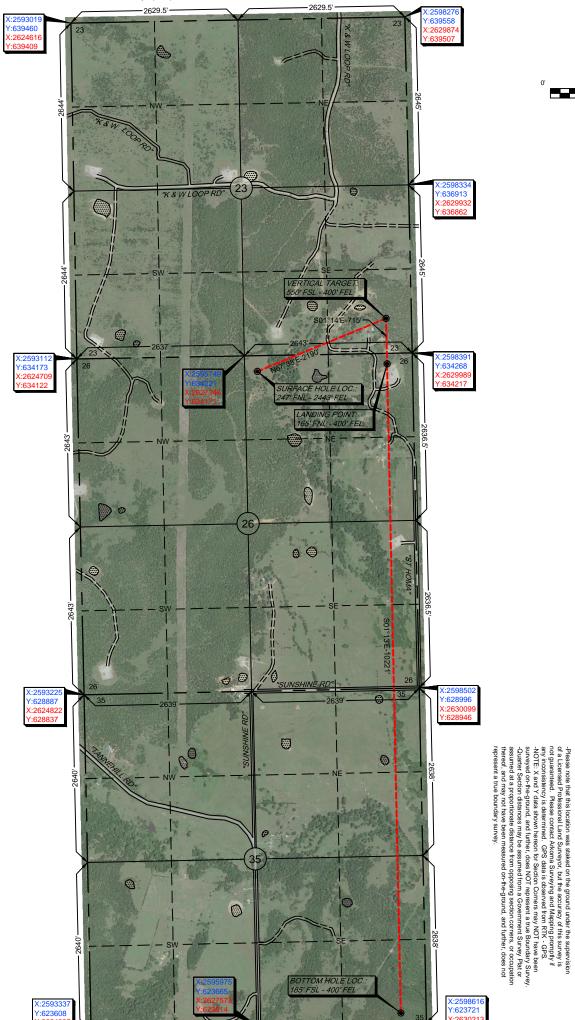
NOTES:	
Category	Description
DEEP SURFACE CASING	[6/16/2021 - GC2] - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
HYDRAULIC FRACTURING	[6/16/2021 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 719879	[8/5/2021 - GC2] - 26-7N-13E X671849 WDFD 2 WELLS MERIT ENERGY COMPANY, LLC 8-3-2021
INCREASED DENSITY - 719880	[8/5/2021 - GC2] - 35-7N-13E X671849 WDFD 2 WELLS MERIT ENERGY COMPANY, LLC 8-3-2021
LOCATION EXCEPTION - 719882 (202101252)	[8/5/2021 - GC2] - (I.O.) 26 & 35-7N-13E X671849 WDFD COMPL. INT. (26-7N-13E) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (35-7N-13E) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL MERIT ENERGY COMPANY, LLC 8-3-2021
МЕМО	[8/2/2021 - GC2] - PIT 1 - 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER; PIT 2 - 3 MIN. 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 671849	[8/2/2021 - GC2] - (640)(HOR) 26 & 35-7N-13E EST WDFD, OTHERS COMPL. INT. (WDFD) NLT 165' FNL/FSL, NLT 330' FEL/FWL
SPACING - 719883 (202101257)	[8/5/2021 - GC2] - (I.O) 26 & 35-7N-13E EST MULTIUNIT HORIZONTAL WELL X671849 WDFD 50% 26-7N-13E 50% 35-7N-13E MERIT ENERGY COMPANY 8-3-2021

S.H.L. Sec. 26-7N-13E I.M. B.H.L. Sec. 35-7N-13E I.M.

Operator: MERIT ENERGY COMPANY Lease Name and No.: FREDERICK 9-26H35
Surface Hole Location: 247' FNL - 2443' FEL Gr. Elevation: 713'
NW/4-NW/4-NW/4-NE/4 Section: 26 Township: 7N Range: 13E I.M.
Bottom Hole Location: 165' FSL - 400' FEL

SW/4-SE/4-SE/4-SE/4 Section: 35 Township: 7N Range: 13E I.M. County: Pittsburg State of Oklahoma

Terrain at Loc.: Location fell in mostly open pastrue, small hill & timber near SW corner of location.



1" = 1500**GPS DATUM**

NAD 83 NAD 27

OK SOUTH ZONE

Surface Hole Loc.: Lat: 35°03'26.88"N Lon: 95°54'11.97"W Lat: 35.05746713 Lon: -95.90332431 X: 2595954 Y: 633978

Surface Hole Loc.: Lat: 35°03'26.54"N Lon: 95°54'10.98"W Lat: 35.05737213 Lon: -95.90304954 X: 2627551 Y: 6<u>33</u>927

Vertical Target: Lat: 35°03'34.71"N Lon: 95°53'47.40"W Lat: 35.05964029 Lon: -95.89649892 X: 2597980 Y: 634811

Vertical Target: Lat: 35°03'34.36"N Lon: 95°53'46.41"W Lat: 35.05954516 Lon: -95.89622437 X: 2629577 Y: 634760

Landing Point: Lat: 35°03'27.63"N Lon: 95°53'47.39"W Lat: 35.05767583 Lon: -95.89649753 X: 2597995 Y: 634096

Landing Point: Lat: 35°03'27.29"N Lon: 95°53'46.40"W Lat: 35.05758074 Lon: -95.89622299 X: 2629592

Y: 634045 Bottom Hole Loc.: Lat: 35°01'46.54"N Lon: 95°53'47.34"W Lat: 35.02959382 Lon: -95.89648207 X: 2598212 Y: 623877

Bottom Hole Loc.: Lat: 35°01'46.20"N Lon:95°53'46.35"W Lat: 35.02949921 Lon: -95.89620766 X: 2629810 623827

Survey and plat by:
Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030 Certificate of Authorization No. 5348
Expires June 30, 2022

Invoice #9415-B

Date Staked: 06/01/2021 Date Drawn: 06/03/2021

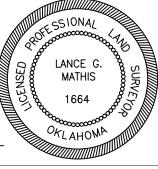
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.



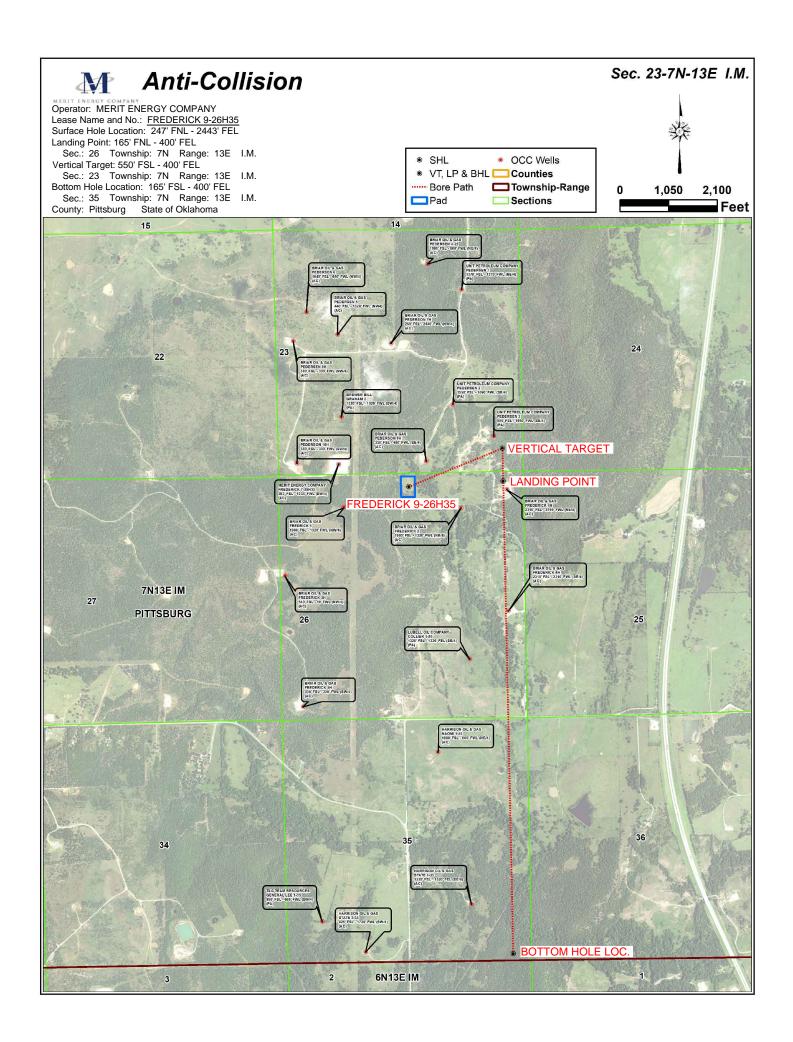
06/08/2021

any inconsistency is determined. GPS data is obse-NOTE: X and Y data shown hereon for Section Co. surveyed on-the-ground, and further, does NOT rep-Quarter Section distances may be assumed from a

OK LPLS 1664



Well Location Plat S.H.L. Sec. 26-7N-13E I.M. M B.H.L. Sec. 35-7N-13E I.M. Operator: MERIT ENERGY COMPANY Lease Name and No.: FREDERICK 9-26H35
Surface Hole Location: 247' FNL - 2443' FEL Gr. Elevation: 713'
NW/4-NW/4-NW/4-NE/4 Section: 26 Township: 7N Range: 13E I.M.
Bottom Hole Location: 165' FSL - 400' FEL SW/4-SE/4-SE/4-SE/4 Section: 35 Township: 7N Range: 13E I.M. County: Pittsburg State of Oklahoma Terrain at Loc.: Location fell in mostly open pastrue, small hill & timber near SW corner of location. -2629.5 All bearings shown are grid bearings. 1" = 1500**GPS DATUM NAD 83** NAD 27 OK SOUTH ZONE 23 Surface Hole Loc.: Lat: 35°03'26.88"N Lon: 95°54'11.97"W Lat: 35.05746713 Lon: -95.90332431 X: 2595954 VERTICAL TARGET: Y: 633978 Surface Hole Loc.: Lat: 35°03'26.54"N Lon: 95°54'10.98"W Lat: 35.05737213 Lon: -95.90304954 X: 2627551 63417 Y: 6<u>33</u>927 RFACE HOLE 7' FNL - 2443' Vertical Target: Lat: 35°03'34.71"N Lon: 95°53'47.40"W Lat: 35.05964029 Lon: -95.89649892 X: 2597980 Y: 634811 Vertical Target: Lat: 35°03'34.36"N 26 Lon: 95°53'46.41"W Lat: 35.05954516 a 🕯 Lon: -95.89622437 "S7 X: 2629577 * HOMA" Y: 634760 **Landing Point:** 1) Lat: 35°03'27.63"N Lon: 95°53'47.39"W 13'E-10221 Lat: 35.05767583 Lon: -95.89649753 X: 2597995 Ø Y: 634096 Landing Point: Lat: 35°03'27.29"N Lon: 95°53'46.40"W Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK. GPS. AVOTE: X and V data shown hereon for Section Comets may WCT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, does not represent a true boundary survey. Lat: 35.05758074 **9** (Lon: -95.89622299 X: 2629592 Y: 634045 Bottom Hole Loc.: Lat: 35°01'46.54"N Lon: 95°53'47.34"W Lat: 35.02959382 . 35 Lon: -95.89648207 X: 2598212 (Y: 623877 **(** Bottom Hole Loc.: Lat: 35°01'46.20"N Lon:95°53'46.35"W Lat: 35.02949921 ry Survey y Plat or Lon: -95.89620766 X: 2629810 BOTTOM HOLE LOC 400' FE 623827 - ccion WILLIAM SSIONAL ROSSING -2641'-Survey and plat by:
Arkoma Surveying and Mapping, PLLC SURVEYOR LANCE G. CENSED P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030 This is to certify that this Well Location Plat represents MATHIS the results of a survey made on the ground performed Certificate of Authorization No. 5348
Expires June 30, 2022 under the supervision of the undersigned. 1664 Invoice #9415-B TL AHOMA Date Staked: 06/01/2021 Date Drawn: 06/03/2021 06/08/2021 LANCE G. MATHIS **OK LPLS 1664**





Topographic Vicinity Map

Operator: MERIT ENERGY COMPANY Lease Name and No.: <u>FREDERICK 9-26H35</u> Surface Hole Location: 247' FNL - 2443' FEL

Vertical Target: 550' FSL - 400' FEL

Sec.: 23 Township: 7N Range: 13E I.M.

Landing Point: 165' FNL - 400' FEL

Sec.: 26 Township: 7N Range: 13E I.M.

Bottom Hole Location: 165' FSL - 400' FEL

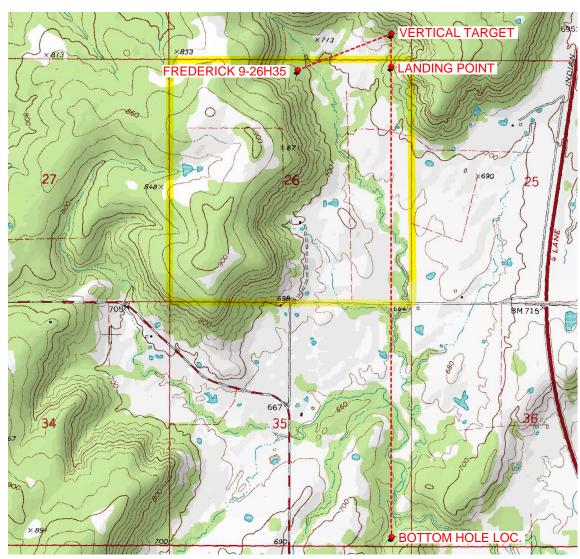
Sec.: 35 Township: 7N Range: 13E I.M.

County: Pittsburg State of Oklahoma

Ground Elevation at Surface Hole Location: 713'



Scale 1" = 2000' Contour Interval: 20'



Provided by:

Arkoma Surveying and Mapping, PLLC

P.O. Box 238 Wilburton, OK 74578 Ph. 918-465-5711 Fax 918-465-5030

Certificate of Authorization No. 5348

Expires June 30, 2022

Date Staked: 06/03/2021

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.

