PI NUMBER:	063 24796 Oil & Gas	OIL & GAS	CORPORATION COMMISSIC CONSERVATION DIVISION P.O. BOX 52000 MA CITY, OK 73152-2000 (Rule 165:10-3-1)		05/02/2018 11/02/2018	
			PERMIT TO DRILL			
		-				
WELL LOCATION: SPOT LOCATION:		SECTION LINES:	ES SOUTH FROM WEST 315 345			
Lease Name:	HAMILTON	Well No:	0310-1HX	Well will be 315 feet from neare	st unit or lease boundary.	
Operator Name:	CORTERRA ENERGY OPE	RATING LLC	Telephone: 9186150400	OTC/OCC Number:	23995 0	
	RA ENERGY OPERATII OULDER AVE STE 900	NG LLC	GARY HA	GARY HAMILTON & SUE HAMILTON		
_			16965 CO	16965 COUNTY RD. 3534		
TULSA,	(DK 74119-4844	ADA	OK 7	4820	
1 2 3 4 5	(Permit Valid for Liste Name WOODFORD HUNTON SYLVAN 119154	Depth 5222 5381 5483	Name 6 7 8 9 10	Dept	h	
Spacing Orders:	327459	Location Exception C	inders:	Increased Density Orders:		
Pending CD Numb	201801827 201803174 201803173			Special Orders:		
Total Depth: 1	5669 Ground Eleva	tion: 740 Surface C	asing: 240	Depth to base of Treatable Wate	r-Bearing FM: 40	
Under Federal	Jurisdiction: No	Fresh Water S	Supply Well Drilled: No	Surface Water	used to Drill: Yes	
PIT 1 INFORMA	TION		Approved Method for d	lisposal of Drilling Fluids:		
Type of Pit Syste	m: ON SITE					
Type of Mud System: AIR				D. One time land application (REQUIRES PERMIT) PERMIT NO: 18-34386 H. SEE MEMO		
Within 1 mile of n Wellhead Protect	ted in a Hydrologically Sensitive					
	ed for Category: 4					

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run. PIT 2 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is not located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C

Pit Location is NON HSA
Pit Location Formation: STUART

PIT 3 INFORMATION Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: OIL BASED Chlorides Max: 300000 Average: 200000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is not located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C Pit Location is NON HSA Pit Location Formation: STUART

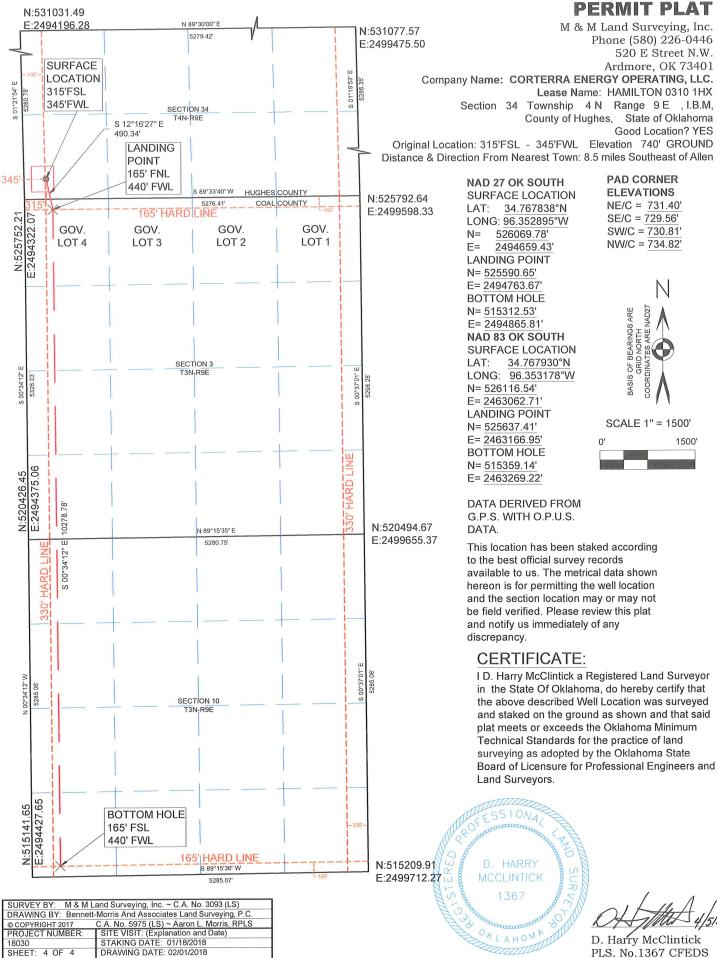
HORIZONTAL HOLE 1

Sec 10 Twp 3N Rge 9E County COAL sw SW Spot Location of End Point: SE SW Feet From: SOUTH 1/4 Section Line: 165 WEST Feet From: 1/4 Section Line: 440 Depth of Deviation: 4819 Radius of Turn: 382 Direction: 179 Total Length: 10250 Measured Total Depth: 15669 True Vertical Depth: 5483 End Point Location from Lease, Unit, or Property Line: 165

Notes:

Category	Description
HYDRAULIC FRACTURING	4/27/2018 - G71 - OCC 165:10-3-10 REQUIRES:
	1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;
	2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
MEMO	4/27/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT
PENDING CD - 201801827	5/1/2018 - G75 - (640)(HOR) 3 & 10-3N-9E VAC 562942 WDFD 10-3N-9E EST WDFD, SLVN, OTHER POE TO BHL (SLVN) NCT 330' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL REC 4-17-2018 (DUNN)
PENDING CD - 201803173	5/1/2018 - G75 - (E.O.) X119154 HNTN 3-3N-9E X327459 HNTN 10-3N-9E X201801827 WDFD, SLVN, OTHER 3 & 10-3N-9E SHL (34-4N-9E) 315' FSL, 345' FWL COMPL. INT. (3-3N-9E) NCT 150' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. (10-3N-9E) NCT 0' FNL, NCT 150' FSL, NCT 330' FWL NO OP. NAMED REC 4-27-2018 (JOHNSON)
PENDING CD - 201803174	5/1/2018 - G75 - (E.O.) 3 & 10-3N-9E EST MULTIUNIT HORIZONTAL WELL X119154 HNTN 3-3N-9E X327459 HNTN 10-3N-9E X201801827 WDFD, SLVN, OTHER 3 & 10-3N-9E (HNTN, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD) 66% 3-3N-9E ** 34% 10-3N-9E ** NO OP. NAMED REC 4-27-2018 (JOHNSON)
	** S/B 50% 3-3N-9E & 50% 10-3N-9E PER STAKING PLAT; TO BE CORRECTED AT MERIT HEARING ON 5-15-2018 PER OPERATOR
SPACING - 119154	5/1/2018 - G75 - (640) 3-3N-9E EST HNTN, OTHERS
SPACING - 327459	5/1/2018 - G75 - (640) 10-3N-9E VAC OTHER EST OTHERS EXT 119154 HNTN

API 063-24796



PLS. No.1367 CFEDS