API NUMBER: 063 24737 B	OIL & GAS	CORPORATION COMMISSION CONSERVATION DIVISION P.O. BOX 52000	Approval Date: 11/29/2017	
Horizontal Hole Oil & Gas Multi Unit		0MA CITY, OK 73152-2000 (Rule 165:10-3-1)	Expiration Date: 05/29/2018	
mend reason: ADD HUNTON AND REMOVE SYL' PRDERS	/AN; UPDATE <u>AME</u>	ND PERMIT TO DRILL		
WELL LOCATION: Sec: 11 Twp: 7N	Rge: 9E County: HUGH	ES		
SPOT LOCATION: SW SE SE	SE FEET FROM QUARTER: FROM	SOUTH FROM EAST		
	SECTION LINES:	315 395		
Lease Name: CAROL	Well No:	1201-1HX W	ell will be 315 feet from nearest unit or lease bo	undary.
Operator CORTERRA ENERGY O Name:	PERATING LLC	Telephone: 9186150400	OTC/OCC Number: 23995 0	
CORTERRA ENERGY OPERA	TING LLC			
1717 S BOULDER AVE STE 90	00	D&L CATTLE		
TULSA,	TULSA, OK 74119-4844		CHIMNEY ROAD	
		STUART	OK 74570	
2 WOODFORD 3 HUNTON 4 5 Spacing Orders: 675009	4723 4921 Location Exception C	7 8 9 10 Drders: 678034	Increased Density Orders:	
707161 Pending CD Numbers: 201707624 201707625			Special Orders:	_
Total Depth: 16000 Ground El	evation: 862 Surface C	Casing: 660	Depth to base of Treatable Water-Bearing FM: 610)
Under Federal Jurisdiction: No	Fresh Water S	Supply Well Drilled: No	Surface Water used to Drill: Yes	
PIT 1 INFORMATION		Approved Method for dispo	sal of Drilling Fluids:	
Type of Pit System: ON SITE		A. Evaporation/dewater a	nd backfilling of reserve pit.	
Type of Mud System: AIR		D. One time land applicati	on (REQUIRES PERMIT) PERMIT NO:	: 17-33522
Is depth to top of ground water greater than 10 Within 1 mile of municipal water well? N Wellhead Protection Area? N	Ift below base of pit? Y	H. SEE MEMO		
Pit is located in a Hydrologically Sensit	ive Area.			
Category of Pit: 4				
Liner not required for Category: 4				
Pit Location is BED AQUIFER				
Pit Location Formation: WEWOKA				

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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

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
located in a Hydrologically Sensitive Area.

Category of Pit:
C

Liner not required for Category: C
Item Pite State S

Pit Location is BED AQUIFER Pit Location Formation: WEWOKA

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 located in a Hydrologically Sensitive Area. Category of Pit: C Liner not required for Category: C Pit Location is BED AQUIFER Pit Location Formation: WEWOKA

HORIZONTAL HOLE 1

Sec 01 Twp 7N Rge 9E County HUGHES NW Spot Location of End Point: NE NW NW NORTH 1/4 Section Line: Feet From: 165 WEST Feet From: 1/4 Section Line: 440 Depth of Deviation: 4390 Radius of Turn: 866 Direction: 3 Total Length: 10250 Measured Total Depth: 16000 True Vertical Depth: 4922 End Point Location from Lease, Unit, or Property Line: 165

Notes: Category FORMATIONS

Description

1/16/2020 - GB1 - REMOVED SYLVAN PER OPR REQUEST; HNTN WAS NOT PERFED IN SECTION 12

HYDRAULIC FRACTURING	11/22/2017 - 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	11/22/2017 - G71 - PITS 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 3 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 201707624	1/16/2020 - GB1 - (E.O.) 1 & 12-7N-9E X675009 MSSP, WDFD, OTHER 1 & 12-7N-9E** X201904160 HNTN 1 & 12-7N-9E++ SHL 315' FSL, 395' FEL (11-7N-9E) FIRST PERF WDFD (12-7N-9E) 448' FSL, 462' FWL LAST PERF WDFD (12-7N-9E) 770' FSL, 457' FWL FIRST PERF MSSP (12-7N-9E) 770' FSL, 457' FWL LAST PERF MSSP (12-7N-9E) 1366' FSL, 437' FWL LAST PERF WDFD (12-7N-9E) 1366' FSL, 437' FWL LAST PERF WDFD (12-7N-9E) 2323' FSL, 416' FWL FIRST PERF WDFD (12-7N-9E) 2323' FSL, 416' FWL LAST PERF MSSP (12-7N-9E) 0' FNL, 505' FWL*** FIRST PERF MSSP (1-7N-9E) 0' FSL, 505' FWL LAST PERF MSSP (1-7N-9E) 0' FSL, 505' FWL LAST PERF MSSP (1-7N-9E) 0' FSL, 505' FWL LAST PERF MSSP (1-7N-9E) 559' FSL, 483' FWL LAST PERF MSSP (1-7N-9E) 1419' FSL, 454' FWL FIRST PERF WDFD (1-7N-9E) 1419' FSL, 454' FWL LAST PERF HNTN (1-7N-9E) 1721' FSL, 454' FWL LAST PERF WDFD (1-7N-9E) 265' FNL, 446' FWL CORTERRA ENERGY, LLC. REC. 1/14/2020 (JOHNSON)
PENDING CD - 201707624 (CONTINUED)	CONTINUED TO NEXT MEMO 1/16/2020 - GB1 - **SLVN WAS NOT ENCOUNTERED AND WILL BE DISMISSED AT ORAL MOTION TO REOPEN PER ATTORNEY FOR OPR ++HNTN WAS DISMISSED FOR SECTION 12 AT FINAL HEARING
PENDING CD - 201707625	***S/B LAST PERF MSSP; WILL BE CORRECTED PER ATTORNEY FOR OPR 1/15/2020 - GB1 - (E.O.) 1 & 12-7N-9E EST MULTIUNIT HORIZONTAL WELL X675009 MSSP, WDFD, SLVN 1 &12-7N-9E** X201904160 HNTN 1 & 12-7N-9E++ (MSSP, HNTN, SLVN ADJACENT COMMON SOURCES OF SUPPLY TO WDFD)*** 51% 1-7N-9E 49% 12-7N-9E CORTERRA ENERGY, LLC. REC. 1/14/2020 (JOHNSON)
SPACING - 675009	** AND *** SLVN WILL BE DISMISSED AT ORAL MOTION TO REOPEN PER ATTORNEY FOR OPR ++HNTN WAS DISMISSED FOR SECTION 12 AT FINAL HEARING 1/15/2020 - GB1 - (640)(HOR) 1 & 12-7N-9E VAC 362808/363064 E2 MSSP 1-7N-9E VAC 513659 W2 MSSP, ALL WDFD 1-7N-9E EST MSSP, WDFD, OTHER COMPL. INT. (MSSP) NCT 660' FB
SPACING - 707161	COMPL. INT. (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL 1/16/2020 - GB1 - (640)(HOR) 1-7N-9E EST HNTN COMPL INT NCT 660' FB (COEXIST SP # 362808/363064 HNTN E2, SP # 513659 HNTN W2)