PI NUMBER: 051 24360	OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 OKLAHOMA CITY, OK 73152-2000 (Rule 165:10-3-1)		N Approval Date:	Approval Date: 05/17/2018 Expiration Date: 11/17/2018		
	F	PERMIT TO DRILL				
	-					
WELL LOCATION: Sec: 04 Twp: 9N Rge: 5W	County: GRADY	(
SPOT LOCATION: SW SE SE SE	FEET FROM QUARTER: FROM	OUTH FROM EAST				
	SECTION LINES: 3	25 605				
Lease Name: VIRGINIA LIBERTY 3-34-9-5	Well No:	IWXH	Well will be 325 feet from nea	rest unit or lease boundary.		
Operator ROAN RESOURCES LLC Name:		Telephone: 4052412237	OTC/OCC Number	: 24127 0		
ROAN RESOURCES LLC						
14701 HERTZ QUAIL SPRINGS PKWY		AMBER RILEY & DEAN BUNTLEY				
OKLAHOMA CITY, OK 7	2176 E.		ROCK CREEK RD.			
	5154 2041	TUTTLE	OK	73089		
3 4 5 Spacing Orders: 419948 415281	Location Exception O	8 9 10 rders:	Increased Density Orders	:		
Pending CD Numbers: 201803300 201803301			Special Orders:			
Total Depth: 20095 Ground Elevation: 1285	Surface C	asing: 1500	Depth to base of Treatable Wa	ter-Bearing FM: 200		
Under Federal Jurisdiction: No	Fresh Water S	upply Well Drilled: Yes	Surface Wate	r used to Drill: No		
PIT 1 INFORMATION		Approved Method for	disposal of Drilling Fluids:			
Type of Pit System: ON SITE		A. Evaporation/dewa B. Solidification of pi	ater and backfilling of reserve pit.			
Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000						
Is depth to top of ground water greater than 10ft below base	of pit? Y	D. One time land ap H. SEE MEMO	D. One time land application (REQUIRES PERMIT) PERMIT NO: 18-34			
Within 1 mile of municipal water well? N						
Wellhead Protection Area? N						
Pit is located in a Hydrologically Sensitive Area.						
Category of Pit: 2						
Liner not required for Category: 2						
Liner not required for Gategory. 2						
Pit Location is BED AQUIFER						

PIT 2 INFORMATION Type of Pit System: ON SITE 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: 3 Liner required for Category: 3

Pit Location is BED AQUIFER Pit Location Formation: DUNCAN

HORIZONTAL HOLE 1

Sec	34	Twp	10N	Rge	5W	С	county	GRADY
Spot	Locatior	n of En	d Point	: NE	E 1	NW	NW	NW
Feet	From:	NOF	RTH	1/4 Se	ction	Line:	65	
Feet	From:	WE	ST	1/4 Se	ction	Line:	40	0
Depth	n of Dev	iation:	8847					
Radius of Turn: 573								
Direction: 5								
Total Length: 10348								
Measured Total Depth: 20095								
True Vertical Depth: 9560								
End Point Location from Lease,								
Unit, or Property Line: 65								

Notes:		
Category	Description	
DEEP SURFACE CASING	5/17/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMI OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFA SURFACE CASING	
HYDRAULIC FRACTURING	5/17/2018 - G71 - OCC 165:10-3-10 REQUIRES:	
	1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPE WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFF WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY	SET OPERATORS WITH
	2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAU WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRIC "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,	
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING ING TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE C HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING	ONCLUSION THE
MEMO	5/17/2018 - G71 - PIT 1 & 2 - CONCRETE-LINED PIT PER OPERATOR VENDOR, OBM CUTTINGS PER DISTRICT	REQUEST; PIT 2 - OBM TO
PENDING CD - 201803300	5/17/2018 - G75 - (I.O.) 3-9N-5W & 34-10N-5W EST MULTIUNIT HORIZONTAL WELL X419948 WDFD, OTHER 3-9N-5W X415281 WDFD, OTHER 34-10N-5W 50% 3-9N-5W 50% 34-10N-5W NO OP.NAMED REC 5-15-2018 (M. PORTER)	
This permit does not address the right of entry	or settlement of surface damages.	051 24360 VIRGINIA LIBERTY 3-34-9-5

051 24360 VIRGINIA LIBERTY 3-34-9-5 1WXH

Category	Description
PENDING CD - 201803301	5/17/2018 - G75 - (I.O.) 3-9N-5W & 34-10N-5W X419948 WDFD, OTHER 3-9N-5W X415281 WDFD, OTHER 34-10N-5W COMPL. INT. (3-9N-5W) NCT 165' FSL, NCT 0' FNL, NCT 400' FWL COMPL. INT. (34-10N-5W) NCT 0' FSL, NCT 165' FNL, NCT 400' FWL NO OP.NAMED REC 5-15-2018 (M. PORTER)
SPACING - 415281	5/17/2018 - G75 - (640) 34-10N-5W EXT OTHER EST WDFD, OTHERS
SPACING - 419948	5/17/2018 - G75 - (640) 3-9N-5W EXT OTHERS EST OTHER EXT 415281 WDFD, OTHERS

API 051-24360



