API NUMBER: 051 24618 **OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION** P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

04/23/2019 Approval Date: Expiration Date: 10/23/2020

Horizontal Hole Multi Unit

Oil & Gas

## PERMIT TO DRILL

WELL LOCATION: Seport LOCATION: N	W SE NE	Rge: 8W  SW FEET FRO SECTION (	County: GRAI M QUARTER: FROM LINES: Well No:	DY SOUTH FROM 1728 1HXL	WE 230		Well will be	1728 feet from ne	arest unit or leas	se boundary.
Operator l Name:	JNIT PETROLEUM COMP	ANY		Telephone:	918493	37700; 9184937		OTC/OCC Number	r: 16711	0
UNIT PETRO	DLEUM COMPANY					CARVO				
PO BOX 702500				GARY C. SCHEEF						
TULSA, OK 7417		OK 74170	-2500			P.O. BOX 4 CEMENT	492	ОК	73017	
Spacing Orders.	5027 4410 201902185		Location Exception	Orders:	6 7 8 9 10		-	ncreased Density Order	s:	
renaing OD Numbers.	201902186 201902187 201902188							pecial Orders.		
Total Depth: 18200 Ground Elevation: 1278		Surface Casing: 1985				Depth to base of Treatable Water-Bearing FM: 840				
Under Federal Juris	diction: No	Fresh Water Supply Well Drilled: No					Surface Water used to Drill: No			
PIT 1 INFORMATION			Approved Method for disposal of Drilling Fluids:							

D. One time land application -- (REQUIRES PERMIT)

H. SEE MEMO

Type of Pit System: CLOSED Closed System Means Steel Pits

RUSH SPRINGS

is located in a Hydrologically Sensitive Area.

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Chlorides Max: 5000 Average: 3000

Liner not required for Category: C Pit Location is BED AQUIFER Pit Location Formation:

Wellhead Protection Area?

Category of Pit: C

PERMIT NO: 19-36490

## PIT 2 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: RUSH SPRINGS

## HORIZONTAL HOLE 1

Sec 29 Twp 6N Rge 8W County **GRADY** SW Spot Location of End Point: SE SW SW Feet From: SOUTH 1/4 Section Line: 165 Feet From: WEST 1/4 Section Line: 450

Depth of Deviation: 10313
Radius of Turn: 573
Direction: 190
Total Length: 6987

Measured Total Depth: 18200
True Vertical Depth: 10844

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

Notes:

**MEMO** 

Category Description

DEEP SURFACE CASING 4/18/2019 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS

OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR

SURFACE CASING

HYDRAULIC FRACTURING 4/18/2019 - 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

4/18/2019 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - LAKE LOUIS

BURTSCHI); PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201902185 4/23/2019 - G75 - (E.O.) 20 & 29-6N-8W

EST MULTIUNIT HORIZONTAL WELL

X665027 HXBR 20-6N-8W X684410 HXBR 29-6N-8W

27% 20-6N-8W 73% 29-6N-8W NO OP. NAMED

REC 4-16-2019 (JOHNSON)

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.

051 24618 SCHEER 20/29 1HXL

Category Description

PENDING CD - 201902186 4/23/2019 - G75 - (E.O.) 20 & 29-6N-8W

X665027 HXBR 20-6N-8W X684410 HXBR 29-6N-8W

COMPL. INT. (20-6N-8W) NCT 2640' FNL, NCT 0' FSL, NCT 660' FWL COMPL. INT. (29-6N-8W) NCT 0' FNL, NCT 165' FSL, NCT 350' FWL

UNIT PETRO. CO.

REC 4-16-2019 (JOHNSON)

PENDING CD - 201902187 4/23/2019 - G75 - (E.O.) 20-6N-8W

X665027 HXBR 1 WELL

I WELL

UNIT PETRO. CO. REC 4-16-2019 (JOHNSON)

PENDING CD - 201902188 4/23/2019 - G75 - (E.O.) 20 & 29-6N-8W

X165:10-3-28(C)(2)(B) HXBR (SCHEER 20/29 1HXL)

MAY BE CLOSER THAN 600' TO E.L. WOOD 3-29, SCHENK TRUST 1-17HXL & SCHENK TRUST 3-

17HXL

UNIT PETRO, CO.

REC 4-16-2019 (JOHNSON)

SPACING - 665027 4/23/2019 - G75 - (640)(HOR) 20-6N-8W

**EXT 649281 HXBR** 

COMPL. INT. NCT 660' FB

(COEXIST SP. ORDER # 210699 YULE, WADE, MRCD, HDTN, CLPM)

SPACING - 684410 4/23/2019 - G75 - (640)(HOR) 29-6N-8W

**EXT 665027 HXBR** 

COMPL. INT. NLT 660' FB

(COEXIST SP. ORDER # 366941 HXBGP)

WATERSHED STRUCTURE 4/18/2019 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION

WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405)

224-0523 PRIOR TO DRILLING

## Sections 20 & 29, T 6 N, R 8 W.I.M., Grady County, Oklahoma. R8W S 89°37'59" E 2625' N 89°14'07" E 2632' N:601208 E:1945921 N:601227 "Scheer 20/29 #1HXL" situated 1728 feet from the south section line and 2301 feet from the west section line of Section 20, T 6 N, R 8 W.I.M., Grady County, Oklahoma. section line and 1000 feet from N:601191 E:1951178 E:1948546 the south section line and 450 feet from N SURFACE LOCATION 20/15ER 20/29 #1HXL" 2639' N 00°02'01" E 2627 from the south section line and 1000 fe R 8 W.I.M., Grady County, Oklahoma. 8 W.I.M., Grady County, Oklahoma SURFACE LOCATION "SCHEER 20/29 #1HXL" UNIT PETROLEUM CO. 34°58'32.279"N (34.97563°) NAD 83 98°04'03.699"W (-98.06769°) NAD 83 0KLAHOMA SOUTH STATE PLANE Y= 597683 (NAD 83) X= 1948820 (NAD 83) GR. ELEV.= 1278' (NAVD 88) ш N 00°02'24' N 89°56'02" E 2629' N 89°56'02" E 2627' 20 N:598587 N:598581 POINT OF PENETRATION "SCHEER 20/29 #1HXL" UNIT PETROLEUM CO. 34°58'33.47'3" (34.97596°) NAD 83 98°04'19.334"W (-98.07204°) NAD 83 98°04'19.334"W (-98.07204°) NAD 83 V= 597804 (NAD 83) X= 1946919 (NAD 83) ≥ E:1951176 POP SURFACE 2629' 1000' 2627 2301' N 00°02'01" E ≥ 13'27" N 00°03'56" \* 1850' | N 1728' N:597025 SURFACE TO POP feet from t T 6 N, R 8 E:1949621 N 84°39'32" W 1307' N:595955 T<sub>6</sub>N F 1948552 feet 6 N, N:595956 E:1951186 N 89°59'00" E 2634 N 89°59'00" E 2634' N:595954 E:1945918 the west section line of Section 20, T "Scheer 20/29 #1HXL" situated 165 the west section line of Section 29, 1 E 2639' 2640' 2640' N:594927 E:1949772 6987 ш ш .65.20.00 N 100 E.L. WOOD 4-29 N:594786 S 04°35'50" W N 00°05'1 E.L. WOOD 3-29 \*\* N:594095 E:1947495 E:1949870 90 \* Surface Hole Location Penetration 29 N 89°59'07" E 2634' N:593316 E:1951182 N 89°59'07" E 2634' **Bottom Location** N:593315 **BOTTOM LOCATION** "SCHEER 20/29 #1HXL" UNIT PETROLEUM CO. 34°57'24.586"N (34.95683°) NAD 83 98°04'26.002"W (-98.07389°) NAD 83 OKLAHOMA SOUTH STATE PLANE Y= 590840 (NAD 83) X= 1946359 (NAD 83) 2639' Point of Ш N 00°05'19" N 00°05'59" N 00°05'39" E.L. WOOD 2-29 N:591336 E:1950519 450' - воттом \_\_\_\_ 165' N 89°59'15" E 2634' N 89°59'15" E 2634' N:590676 N:590676 E:1945909 E:1951178 Datum: NAD 83 **LEGEND** Units: US Survey Feet North: Grid ▼ PLUGGED WELL ■ PLUGGE SESSIONAL Coordinates: State Plane Zone: 3502 State: Oklahoma ★ EXISTING WELL Region: South SECTION LINE MIKE GOSSETT 1/4 SECTION LINE 1748 PROPOSED LATERAL **EXISTING LATERAL** TLAHOM Know what's **below.** 0' 1500 3000' 4500' Call before you dig. $\overline{580 \cdot 256 \cdot 6}757$ SURVEY NOTES 1. EXISTING WELL COORDINATES ARE FROM THE OCC WEB SITE AND WERE NOT FIELD LOCATED. 2. UTILITIES SHOWN HEREON ARE FROM OBSERVED EVIDENCE IN THE FIELD. 3. THIS SURVEY IS FOR A WELL LOCATION EXHIBIT ONLY. NOT TO BE USED AS A BOUNDARY SURVEY. 4. DATE OF LAST SITE VISIT: 04-16-2019 nd Surv REVISIONS: DRAWN BY: DATE OF PLAT: and JOB: SCALE: SHEET: 1"=1500 1 OF 4 090-19 04-18-2019 WOODWARD, OKLAHOMA 73801 OKLA. CA #7719, EXP. 06/30/2019 web:www.onpointlandsurveyok.com email:mike@onpointsurveyok.com