API NUMBER: 045 23787 A

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

Approval Date: 03/08/2019
Expiration Date: 09/08/2020

Horizontal Hole Oil & Gas

Amend reason: CHANGED SURFACE HOLE LOCATION

Within 1 mile of municipal water well? N

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

located in a Hydrologically Sensitive Area.

Wellhead Protection Area?

Category of Pit: C

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 07 Twp:	16N Rge: 23W	County: ELLIS		. <u> </u>			
SPOT LOCATION: NW NW NE	NE FEET FROM Q SECTION LINE		NORTH FROM	EAST			
	SECTION EINE	3	324	1050			
Lease Name: TRC RANCH 16-23		Well No:	7-6 H1		Well will be 324 feet from n	earest unit or lease boundary.	
Operator PPP PETROLEUM L Name:	P		Telephone: 2	142316832	OTC/OCC Numb	er: 23356 0	
PPP PETROLEUM LP 2101 CEDAR SPRINGS RD	STE 1800				BERRYMAN		
DALLAS,	TX 75201-1	TX 75201-1585			7 7TH BOX 787		
				ASHLAND	KS	67831	
Name 1 CLEVELAND 2 3 4 5 Spacing Orders: 694076	9:	epth 296 acation Exception C		Name 6 7 3 9	Increased Density Orde	Depth ers:	
Pending CD Numbers: 201900090					Special Orders:		
Total Depth: 15071 Groun	d Elevation: 2203	Surface C	asing: 750		Depth to base of Treatable \	Nater-Bearing FM: 550	
Under Federal Jurisdiction: No		Fresh Water S	Supply Well Drilled	I: No	Surface Wa	ater used to Drill: No	
PIT 1 INFORMATION			A	oproved Method for di	sposal of Drilling Fluids:		
Type of Pit System: CLOSED Closed S	System Means Steel Pits						
Type of Mud System: WATER BASED				D. One time land application (REQUIRES PERMIT) PERMIT NO: 18-36017			
Chlorides Max: 14000 Average: 5000			ŀ	H. SEE MEMO			
Is depth to top of ground water greater that	an 10ft below base of pit?	Υ	_				

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: OGALLALA

HORIZONTAL HOLE 1

Sec 06 Twp 17N Rge 23W County **ELLIS** NE Spot Location of End Point: NW NF NW Feet From: NORTH 1/4 Section Line: 165 Feet From: EAST 1/4 Section Line: 1750

Depth of Deviation: 9296
Radius of Turn: 577
Direction: 353
Total Length: 4868

Measured Total Depth: 15071

True Vertical Depth: 9810

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

Notes:

MEMO

Category Description

HYDRAULIC FRACTURING

1/16/2019 - 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 1/16/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201900090 3/6/2019 - GB1 - (I.O.) 6-16N-23W

X201900089 CLVD

COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 660' FEL

NO OP. NAMED

REC. 2/12/2019 (NORRIS)

SPACING - 694076 4/8/2019 - GB1 - (640)(HOR) 6-16N-23W

EXT 678563 CLVD

POE TO BHL NLT 660' FB

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.

API 045-23787 TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219 Certificate of Authorization No. 1293 LS **ELLIS** County, Oklahoma 1050'FEL Town Range OM HOLE 23W_I.M. X 1504177 Y 330946 Y 33093 16N 324'FNL 7 **717N-R23W** R23W X 150152 Y 330988 11 construction purposes information X 150182 Y 330983 11 LANDING P OGRADA PONT LOT 4 //LOT 2 LOT 3 LOT 1 11 11 POINT, BOTTOM HOLE AND D 11 11 shown herein BOTTOM HOLE 165'FNL-1750'FEL NAD-27 (US Feet) 35'53'49.1" N 99'40'44.5" W 35.896968323' N 99.679014839' W X=1502717 Y=330804 11 1 11 II \prod LOT\\5 S/2-NE/4 SE/4-NW/4 GRID NAD-27 OK NORTH US Feet DRILL PATH INFORMATION 1499306 328380 ð 500 1000 6 11 X 1504449 Y 328295 LANDING POINT 195'FSL-1110'FEL NAD-27 (US Feet) 35'53'00.4" N 99'40'36.1" W 35.883411011' N 99.676688069' W X 1503321 Y 325869 Best Accessibility to Lo Distance & Direction from Hwy Jct or Town Good Lease Topography & Operator: lease road to the NE Cor. of Sec. LOT 6 11 Drill Name: 11 PEREGRINE PETROLEUM 11 E/2-SW/4 Vegetation TRC T16N-R24# T16N-R23W 11 RANCH 11 Location LOT 7 Yes From 16-23 LANDING POINT Conductor 149928 325747 Packsaddle, From pipe 324" North 1050 9n Reference Stakes of Stakes Set None LOT 1 9 ç Level lease 90 Pad ±3.0 road E/2-NW/4 2310' ∄. 9 East ¥e∥ Alternate LOT 2 No.: then 1499267 323112 X 1504418 Y 323019 7-6 #1.0 Location 工 ∄. South 2206' LOT 3 **ELEVATION:** on E/2-SW/4 Stake LOT 4 1499246 320477 1501766 320432 X 150440 Y 320384 Revision X B Mar. 25, 2019 Date of Drawing: -NAD-27 Project # 124808 Date Staked: Mar. 11, 2019 LC SSIONAL was receiver accuracy. DATUM: LAT: 35°52'55.2" N LONG: 99°40'35.3" W **CERTIFICATE:** I, Inomas L. Howell an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein LAT: 35.882012963' N LONG: 99.676464031' W THOMAS L HOWELL STATE PLANE 1433 COORDINATES: (US Feet) This gathered with ±1 fo OK NORTH ZONE: 1503379 Mem? 325348 Oklahoma Lic. No.

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS ELLIS County, Oklahoma
16N Range 23W_I.M. 324'FNL - 1050'FE X 1499322 Y 331014 the information shown construction purposes PROVIDED -5-N herein GRID NAD-27 OK NORTH US Feet S for 500 1000 6 Best Accessibility to Distance & Direction from Hwy Jct or Tow Good Topography & Vegetation Lease Name: Operator: PEREGRINE PETROLEUM lease road to the NE Cor. of Sec. Drill Site? TRC Town Location 16 - 23Conductor From Packsaddle, pipe 7-T16N-R23W North on Reference Stakes of Stakes Set None 9 으 Level lease 90 Pad road [∄. 9 East, Well Alternate Location No.: then 7-6 . H ∄. 2206 ELEVATION on X 1504406 Y 320384 Revision X B Mar. 25, 2019 Date of Drawing: _ Project # 124808 Date Staked: Mar. 11, 2019 NAD-27 SIONA was receive accuracy. **CERTIFICATE:**

DATUM: NAD-27

LAT: 35'52'55.2" N

LONG: 99'40'35.3" W

LONG: 99.676464031' W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

1503379

I, Thomas L. Howell on Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

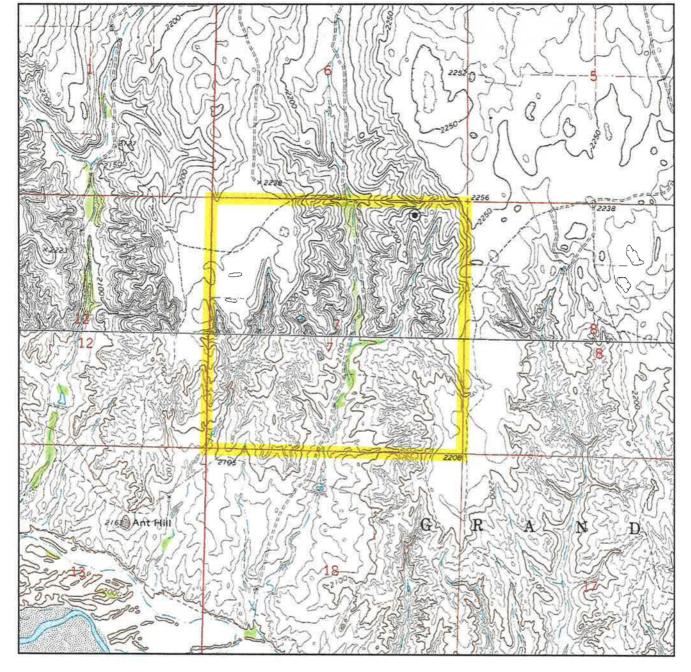
Oklahoma Lic. No. 1433



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 7 Twp. 16N Rng. 23W IM

County ELLIS State OK

Operator PEREGRINE PETROLEUM

Description 324'FNL - 1050'FEL

Lease TRC RANCH 16-23 7-6 H1

Elevation 2206' Gr. on Level Pad

Above Background Data from U.S.G.S. Topographic Map Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground elevation of the location stake.

Review this plat and inform us immediately of any possible discrepancy.



LAND SURVEYORS OF OKLAHOMA

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry 13800 Wireless Way, Okla. City, OK. 73134 www.topographic.com Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

VICINITY MAP

18 17 16 (283) (15 14 13 18 17 16 15 14 13 18 17	16	15	14	13	1						
724 19 520 21 22 23 24 19 20	21	22	23	24	13						
25	28	27	26	25	30						
36 31 32 35 34 35 36 31 32 33 34 35 36 31 32	55	, T	35	36	31 TL						
5 4 Dang 2 1 6 5 4 3 2 6 5	nan A	,	K		6						
7 8 9 10 11 12 7 8 9 10 11 12 7 8	9	10		12	(1)						
15 18 17 16 15 14 15 18 17 16 15 14 15 17 16 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 17 18 18 18 17 18 18 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	16	15	1067 94	23,000	18						
19 20 21 22 23 24 19 20 21 22 25 19 20	21	22	23	24	Company of the Park						
25 26 27 28 27 28 27 28 27 28 29 28 27 28 29 28 29 29 28 29 29 28 29 29 29 29 29 29 29 29 29 29 29 29 29	231	22)		\$ 25	W B						
31 32 33 34 35 36 31 32 33 34 35 36	1 3	34 \$	100	§ 36							
	1.7	3.0	13	P							
7 ~ 5 7 9 • 10 11 12 7 8 9 10 11 12 7		10		.,00,00,46							
16 13 15 14 13 18 17 16 13 14 13 18 17	Z	~ آ".		T 17	R						
20 21 22 25 24 19 20 21 22 23 24 19 20	-	22		N 340,000							
340,000 FEET 25 26 25 30 29 28 27 26 25 30	25	27		FEET							
	2 33	8									
		R22W			1						
R24W 11 12 7											
Y	2										
16 N R23W 8 SEE SEE SEE SEE SEE SEE SEE SEE SEE S											

Scale: 1" = 3 Miles

Sec. 7 Twp. 16N Rng. 23W IM

County ELLIS State OK.

Operator PEREGRINE PETROLEUM

