API NUMBER: 017 25404

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

Approval Date: 02/27/2019
Expiration Date: 08/27/2020

Horizontal Hole Multi Unit

PIT 1 INFORMATION

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

Wellhead Protection Area?

Category of Pit: C

Type of Pit System: CLOSED Closed System Means Steel Pits

Is depth to top of ground water greater than 10ft below base of pit? Y

is located in a Hydrologically Sensitive Area.

Oil & Gas

PERMIT TO DRILL

T LOCATION: SW SI	V NW NW	FEET FROM QUARTER: FROM SECTION LINES:	1000 2			
ease Name: BLTW COM		Well No:	1H-2227X	Well	will be 250 feet from no	earest unit or lease boundar
Operator CIMAREX Name:	ENERGY CO		Telephone: 9185	351100	OTC/OCC Number	er: 21194 0
CIMAREX ENERGY	СО			IOLIANINA M. DI	OLLINGER LIVING TE	OLIOT.
202 S CHEYENNE A	VE STE 1000				OLLINGER LIVING TR	RUST
TULSA,	ОК	74103-3001		516 SOUTH ELLISON		
				EL RENO	OK	73036
ormation(s) (Permit Name 1 WOODFORD	Valid for Listed Fo	ormations Only): Depth 11690	6	Name	ι	Depth
Name	Valid for Listed Fo	Depth	6 7 8 9	Name	ι	Depth
Name 1 WOODFORD 2 3	Valid for Listed Fo	Depth	7 8	Name		Depth
Name 1 WOODFORD 2 3 4	Valid for Listed Fo	Depth	7 8 9 10	Name	Increased Density Orde	
Name 1 WOODFORD 2 3 4 5 scieng Orders: 654422	0651 0652	Depth 11690	7 8 9 10	Name		

Approved Method for disposal of Drilling Fluids:

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

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

PERMIT NO: 19-36092

HORIZONTAL HOLE 1

Sec 27 Twp 11N Rge 8W County CANADIAN

Spot Location of End Point: SE SW SW SW Feet From: SOUTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 11134
Radius of Turn: 750
Direction: 179
Total Length: 8763

Measured Total Depth: 21075

True Vertical Depth: 11830

End Point Location from Lease,
Unit, or Property Line: 150

Notes:

Category Description

DEEP SURFACE CASING 2/12/2019 - 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 2/12/2019 - 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

PENDING CD - 201900651 2/27/2019 - G75 - (I.O.) 22 & 27-11N-8W

EST MULTIUNIT HORIZONTAL WELL

X654422 WDFD 22-11N-8W X563394 WDFD 27-11N-8W

50% 22-11N-8W 50% 27-11N-8W

NO OP. NAMED

REC 2-19-2019 (JOHNSON)

PENDING CD - 201900652 2/27/2019 - G75 - (I.O.) 22 & 27-11N-8W

X654422 WDFD 22-11N-8W X563394 WDFD 27-11N-8W

COMPL. INT. (22-11N-8W) NCT 150' FNL, NCT 0' FSL, NCT 250' FWL COMPL. INT. (27-11N-8W) NCT 0' FNL, NCT 150' FSL, NCT 250' FWL

NO OP. NAMED

REC 2-19-2019 (JOHNSON)

PENDING CD - 201900653 2/27/2019 - G75 - 27-11N-8W

X563394 WDFD 1 WELL

NO OP. NAMED

REC 2-19-2019 (JOHNSON)

SPACING - 563394 2/27/2019 - G75 - (640) 27-11N-8W

VAC OTHERS EXT OTHERS EST OTHER

EXT 144223 WDFD, OTHERS

SPACING - 654422 2/27/2019 - G75 - (640)(HOR) 22-11N-8W

EST WDFD

POE TO BHL NCT 165' FNL & FSL, NCT 330' FEL & FWL

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.

017 25404 BLTW COM 1H-2227X

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 API 017-25404 CANADIAN County, Oklahoma 1000'FNL-250'FWL Section 22 Township <u>11N</u> Range <u>8W</u> I.M. PROVIDED X 1987209 Y 153122 X 1989830 Y 153115 POINT, BOTTOM I 000 SHE E INFORMATION SI 1950 LISTED, D, NOT SURVEYED. SHOWN I PROPOSED LANDING POINT 1550'FNL-380'F 35'24'59.0"N 98'02'30.0"N 35.416380925'N 98.041663710'W X= 1987585 Y= 151571 1629 HEREIN IS GRID NAD-27 OK NORTH US Feet INFORMATION SCALE: = 1000' 1000' 22 X 1987202 Y 150493 X 1992453 Y 150487 Best Acces Distance & from Hwy Good Operator: Topography & Vegetation corner t Accessibility to Loc ance & Direction n Hwy Jct or Town_ Dr:II Name: 으 Site? CIMAREX Section BLTW ENERGY COM Yes Location From Loc. DRILL 8 From fell Union Reference PATH R8W ⊒. West City sloping X 1987194 Y 147864 X 1989823 Y 147851 X 1992458 Y 147853 Stakes alfalfa county 11 90 Set ±4 field road None miles Well West HHH No:: then 1H-2227X ±2 miles 27 X 1987192 Y 145223 CALCULATED X 1992449 Y 145213 North, **ELEVATION:** 1317' Gr. at N. 827.77' OF THE N/2-SE/4 then N/2-SW/4 REMAINING PORTION PROPOSED BOTTOM HOLE 150'FSL-380'FWI 35'23'32.3"N 98'02'30.1"W 35.39230'7649'N 98.041702079'W X= 1987570 Y= 142808 ± 2 9 OF THE N/2-SE/4 miles RIVER LOT 3 West (NGVD29) Nah Olaho LOT 1 LOT 2 SE/4-SE/4 ţ the X 1992440 Y 142573 MEANDER CORNER X 1987190 Y 142814 CALCULATED X 1987186 Y 142672 MEANDER CORNER X 1990481 Y 142574 DOFESSIONAL ROPESSIONAL Revision X Date of Drawing: Jan. 8, Invoice # 308098 Date Staked: _ was receiver accuracy. DATUM: NAD-27 Dec. 17, 2018 35'25'04.4"N LAT: _ LONG: 98'02'31.5"W **CERTIFICATE:** THOMAS L 35.417891745°N LAT: Thomas L. Howell an Oklahoma Licensed Land LONG: 98.042095635'W HOWELL Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the STATE PLANE 1433 COORDINATES (US FEET): information shown herein. This ered ±1 fo ZONE: OK NORTH 1987457 Memo X: gath 152121 Oklahoma Lic. No. 1433