API NUMBER: 011 23679

Oil & Gas

Horizontal Hole

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

Approval Date: 11/02/2016
Expiration Date: 05/02/2017

PERMIT TO DRILL

		<u>-</u>					
WELL LOCATION: Sec:	: 09 Twp: 15N Rge: 11V	V County: BLAINE					
SPOT LOCATION: NW	NE NE NE	FEET FROM QUARTER: FROM N	ORTH FROM E	AST			
		SECTION LINES: 25	50 3	50			
Lease Name: BAKE	R 9_16-15N-11W	Well No: 1	нх	Well will be	250 feet from nearest unit or leas	se boundary.	
Operator DE Name:	VON ENERGY PRODUCTION CO	LP	Telephone: 4052	353611; 4052353	OTC/OCC Number: 20751	0	
DEVON ENERGY PRODUCTION CO LP 333 W SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010				BRENT BAKER 8005 S. I-35, SUITE 2 OKLAHOMA CITY	203 OK 73149		
Name 1 MISS'A	Permit Valid for Listed Forn AN (EX CHESTER) DFORD	nations Only): Depth 10975 11733	6 7	Name	Depth		
3 4 5			8 9 10				
Spacing Orders: No Spacing		Location Exception Or	ders:	ı	ncreased Density Orders:		
Pending CD Numbers:	201604297 201604364 201604365 201604296				Special Orders:		
Total Depth: 21364	Ground Elevation: 150	Surface Ca	asing: 1999	Depth	to base of Treatable Water-Bearing FM:	60	
Under Federal Jurisdiction: No		Fresh Water S	upply Well Drilled:	No	Surface Water used to Drill:	Yes	
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

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

located in a Hydrologically Sensitive Area.

Type of Mud System: WATER BASED

Within 1 mile of municipal water well? N

Chlorides Max: 8000 Average: 5000

Liner not required for Category: C
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

Wellhead Protection Area?

Category of Pit: C

PERMIT NO: 16-31704

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 AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 16 Twp 15N Rge 11W County BLAINE

Spot Location of End Point: SW SE SE SE
Feet From: SOUTH 1/4 Section Line: 50
Feet From: EAST 1/4 Section Line: 350

Depth of Deviation: 10823 Radius of Turn: 477 Direction: 180

Total Length: 9792

Measured Total Depth: 21364

True Vertical Depth: 11733

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 10/14/2016 - G75 - 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 10/14/2016 - G75 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF

HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS

COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

INTERMEDIATE CASING 10/14/2016 - G75 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-

PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE

MORROW SERIES.

MEMO 10/14/2016 - G75 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 -

OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201604296 10/14/2016 - G75 - (640)(HOR) 9-15N-11W

EST MSNLC

EXT 646108 WDFD

POE TO BHL (MSNLC) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL

REC 10-25-2016 (COLAW)

Category Description

PENDING CD - 201604297 10/14/2016 - G75 - (640)(HOR) 16-15N-11W

EST MSNLC

EXT 649479 WDFD

POE TO BHL (MSNLC) NCT 660' FB

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

REC 10-25-2016 (COLAW)

PENDING CD - 201604364 10/14/2016 - G75 - (I.O.) 9 & 16-15N-11W

EST MULTIUNIT HÖRIZONTAL WELL X201604296 MSNLC, WDFD 9-15N-11W X201604297 MSNLC, WDFD 16-15N-11W

(WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSNLC)

50% 9-15N-11W 50% 16-15N-11W

DEVON ENERGY PROD. CO., L.P.

REC 10-31-2016 (NORRIS)

PENDING CD - 201604365 10/14/2016 - G75 - (I.O.) 9 & 16-15N-11W

X201604296 MSNLC, WDFD 9-15N-11W X201604297 MSNLC, WDFD 16-15N-11W

COMPL. INT. (9-15N-11W) NCT 165' FNL, NCT 0' FSL, NCT 330' FEL COMPL. INT. (16-15N-11W) NCT 0' FNL, NCT 165' FSL, NCT 330' FEL

DEVON ENERGY PROD. CO., L.P.

REC 10-25-2016 (COLAW)

was receiver accuracy. DATUM:_ LAT: _ LONG: 98°22'02.5"W a GPS 2./vert. a LAT: s informat d with a foot Horiz./ STATE PLANE COORDINATES: (US Feet) This i ZONE: _ OK NORTH 1891056 gath 290295

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Section

T15N-R11W and

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22

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Watonga

웃

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miles

East

on

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Hwy.

Surveyors of Oklahoma, do hereby certify to the information shown herein

1. Naveo Thomas Oklahoma Lic. No. _

SURVE 1433 10-11-16 AL AHOMA