

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

API NUMBER: 153 23599

Approval Date: 01/05/2017
Expiration Date: 07/05/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 20N Rge: 18W County: WOODWARD
SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 300 1605

Lease Name: ROSSER Well No: 16-1H Well will be 300 feet from nearest unit or lease boundary.
Operator Name: CORLENA OIL COMPANY Telephone: 8063725044 OTC/OCC Number: 23706 0

CORLENA OIL COMPANY
619 S TYLER ST STE 210
AMARILLO, TX 79101-2303

RONNY & DAISY ADAMS
200045 EAST CR-50
WOODWARD OK 73801

Formation(s) (Permit Valid for Listed Formations Only):

Name	Depth	Name	Depth
1 MISS'AN (EX CHESTER)	10108	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 658733

Location Exception Orders: 659077

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 15200

Ground Elevation: 1850

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 120

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 120000 Average: 5000

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 16-31973

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.

HORIZONTAL HOLE 1

Sec 16 Twp 20N Rge 18W County WOODWARD

Spot Location of End Point: SE SE SW SE

Feet From: SOUTH 1/4 Section Line: 165

Feet From: EAST 1/4 Section Line: 1605

Depth of Deviation: 9504

Radius of Turn: 573

Direction: 180

Total Length: 4796

Measured Total Depth: 15200

True Vertical Depth: 10200

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

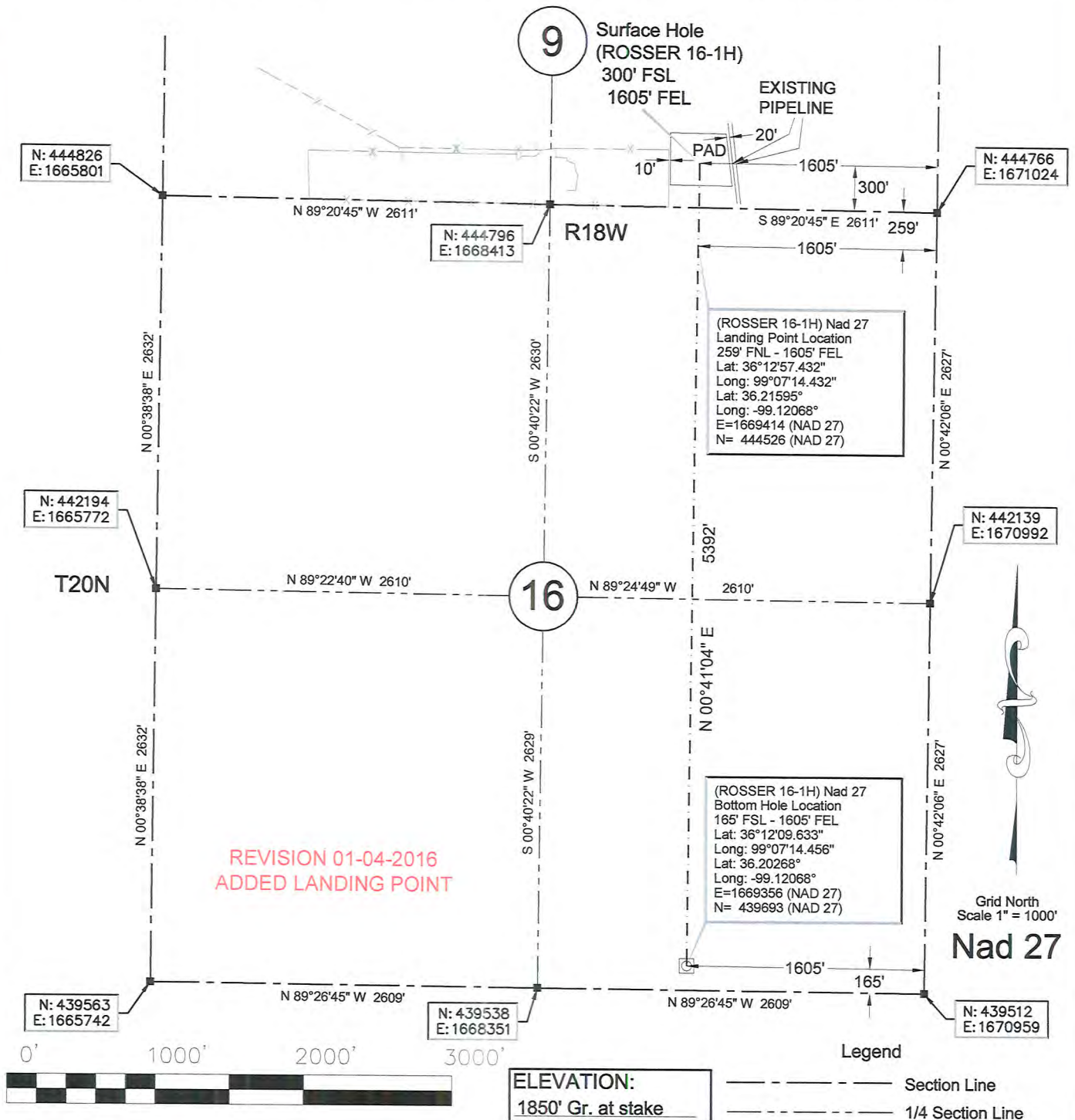
Notes:

Category	Description
DEEP SURFACE CASING	12/30/2016 - 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	12/30/2016 - G71 - 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	12/30/2016 - G71 - 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
LOCATION EXCEPTION - 659077	12/30/2016 - G75 - (I.O.) 16-20N-18W X658733 MSNLC, OTHER COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 1320' FWL CORLENA OIL CO. 12-20-2016
SPACING - 658733	12/30/2016 - G75 - (640)(HOR) 16-20N-18W VAC 187825 MSSLM EXT OTHER EXT 650679/653434 MSNLC POE TO BHL NCT 660' FB

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Woodward County, Oklahoma.

BHL 165' FSL - 1605' FEL, Section 16, T 20 N, R 18 W.I.M.



BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED. CORNER COORDINATES ARE TAKEN FROM POINTS SURVEYED IN THE FIELD.
OPERATOR: CORLENA OIL COMPANY **WELL NO.: 16-1H**
LEASE NAME: ROSSER

BEST ACCESSIBILITY TO LOCATION: From the SOUTH
 DISTANCE & DIRECTION
 FROM HWY JCT OR TOWN: Beginning at the intersection of CR 0550 RD and Hwy 3, then West on CR 0550 RD, a distance of 2.3 mi., then North, a distance of 300 feet to location stake.



REVISION: _____ DATE OF DRAWING: DECEMBER 22, 2016
 INVOICE #: 20210 DATE STAKED: DECEMBER 21, 2016

STAKED SURFACE HOLE We do hereby certify that this survey was done in accordance to records, maps and other information as provided to us by the client herein named and that great care was taken in the actual staking of this well and the determination of any obstacles thereupon. However, the accuracy of this survey is not guaranteed and if there appears to be any discrepancy, please notify us immediately.

DATUM: Nad 27
 LAT: 36°13'02.960"
 LONG: -99°07'14.430"
 LAT: 36.21749°
 LONG: -99.12067°
 STATE PLANE
 COORDINATES: (US FEET)
 ZONE: OK North
 E: 1669421
 N: 445085



<p>JVIDENS LAND SURVEY Co., Inc. 1210 19TH STREET / P.O. BOX 943 WOODWARD, OKLAHOMA 73802 Phone 580-256-7174 - Fax 844-273-1684 roger@jvidenslandsurvey.com</p>	Survey For: CORLENA OIL COMPANY C/O BILL IRVIN LAND SERVICES 13186 MACARTHUR BLVD. OKLAHOMA CITY, OKLAHOMA 73142		JOB 400-16	DATE OF PLAT 12-22-2016	SCALE 1"=1000'	SHEET 1 OF 3
	DRAWN BY D.W.K.		OKLA. CA #2064, EXP. 06/30/2017 KANSAS CA #143, EXP. 12/31/2018			