

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

API NUMBER: 093 24987

Approval Date: 06/11/2014

Expiration Date: 12/11/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 20N Rge: 15W

County: MAJOR

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 250 1980

Lease Name: ELWELL

Well No: 29-1H

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: COMANCHE EXPLORATION CO LLC

Telephone: 4057555900

OTC/OCC Number: 20631 0

COMANCHE EXPLORATION CO LLC
6520 N WESTERN AVE STE 300
OKLAHOMA CITY, OK 73116-7334

CHAD E. ELWELL
3480 BARHAM, UNIT #118
LOS ANGELES CA 90068-

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

	Name	Depth		Name	Depth
1	COTTAGE GROVE	6900	6	HUNTON	10120
2	HOGSHOOTER	7100	7		
3	MARMATON	7470	8		
4	MISSISSIPPIAN	9220	9		
5	WOODFORD	10075	10		

Spacing Orders: 610999

Location Exception Orders: 201301012

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14525

Ground Elevation: 1725

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 420

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 8000 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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27341
H. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

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 29 Twp 20N Rge 15W County MAJOR

Spot Location of End Point: C S2 SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1980

Depth of Deviation: 9825

Radius of Turn: 706

Direction: 188

Total Length: 4700

Measured Total Depth: 14525

True Vertical Depth: 10120

End Point Location from Lease,
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	6/6/2014 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 612316	6/11/2014 - G72 - 29-20N-15W (I.O.) X 610999 CGGV, HGSR, MRMN, MSSP, WDFD, HNTN, OTHERS; COMP INT. NCT 500 FSL NCT 300 FNL NCT 1850 FEL; COMANCHE EXPLORATION COMPANY, L.L.C.; 6/4/2013
SPACING - 186014	6/11/2014 - G72 - (80) 29-20N-15W SU (NW/SW) AMD/REFORM 69016 /69064 CSTR
SPACING - 259792	6/11/2014 - G72 - (80) 29-20N-15W SU (NE/SW) EST INOL, OTHERS; AMD/REFORM 69064 OSWG, OTHERS; ***INOL SPACED BY 131390 (640)
SPACING - 610999	6/11/2014 - G72 - (640 HOR) 29-20N-15W EST CGGV, HGSR, MRMN, MSSP, WDFD, HNTN, OTHERS; POE TO BHL (WDFD): NCT 330' FB POE TO BHL (OTHERS): NCT 660' FB (SUPERCEDE NON-DEVELOPED, NON-HORIZONTAL SPACING UNITS; COEXIST WITH PRODUCING NON-HORIZONTAL SPACING UNITS)
SPACING - 69016	6/11/2014 - G72 - (640) 29-20N-15W EXT OTHERS; EXT 36944 CSTR; EST OSWG, OTHERS;

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093 24987 ELWELL 29-1H