

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

API NUMBER: 109 22439

Approval Date: 03/03/2015
Expiration Date: 09/03/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 14N Rge: 4W County: OKLAHOMA
SPOT LOCATION: SW SE NE NW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 1455 2214

Lease Name: DAVIS Well No: 9-2H Well will be 2214 feet from nearest unit or lease boundary.
Operator Name: GASTAR EXPLORATION INC Telephone: 7137391800 OTC/OCC Number: 23199 0

GASTAR EXPLORATION INC
1331 LAMAR STE 650
HOUSTON, TX 77010-3131

JOHN ELMER DAVIS
6980 NW 234TH STREET
EDMOND OK 73025

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

Name	Depth	Name	Depth
1 HUNTON	6577	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 20212

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14000

Ground Elevation: 1119

Surface Casing: 710

Depth to base of Treatable Water-Bearing FM: 660

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 15-29589

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 33 Twp 15N Rge 4W County LOGAN

Spot Location of End Point: NW NW SE SE

Feet From: SOUTH 1/4 Section Line: 1031

Feet From: WEST 1/4 Section Line: 1430

Depth of Deviation: 6100

Radius of Turn: 710

Direction: 14

Total Length: 6785

Measured Total Depth: 14000

True Vertical Depth: 6878

End Point Location from Lease,
Unit, or Property Line: 289

Notes:

Category

Description

SPACING - 20212

3/3/2015 - G75 - (UNIT) 9, 4-14N-4W & S2 S2 33-15N-4W
EST WEST EDMOND HUNTON LIME UNIT FOR HNTN