

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

API NUMBER: 045 23486

Approval Date: 06/23/2014

Expiration Date: 12/23/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 17N Rge: 22W County: ELLIS

SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 301 1485

Lease Name: KAISER 1722 Well No: 4H-9 CG B Well will be 301 feet from nearest unit or lease boundary.

Operator Name: MIDSTATES PETROLEUM COMPANY LLC

Telephone: 7135959400

OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM COMPANY LLC
4400 POST OAK PKWY STE 1900
HOUSTON, TX 77027-3444

ROGER HABEKOTT
ROUTE 1, BOX 163
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 COTTAGE GROVE	8550	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 141677

Location Exception Orders: 626450

Increased Density Orders: 626775

Pending CD Numbers:

Special Orders:

Total Depth: 13433

Ground Elevation: 2107

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

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: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 30000 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: CLOUD CHIEF

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27415
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 09 Twp 17N Rge 22W County ELLIS

Spot Location of End Point: W2 SE SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 2300

Depth of Deviation: 8110

Radius of Turn: 440

Direction: 170

Total Length: 4632

Measured Total Depth: 13433

True Vertical Depth: 8550

End Point Location from Lease,

Unit, or Property Line: 330

Notes:

Category

Description

DEEP SURFACE CASING

6/10/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INCREASED DENSITY - 626775

6/20/2014 - G75 - 9-17N-22W
X141677 CGGV
1 WELL
MIDSTATES PETRO. CO. ++
6-16-2014

LOCATION EXCEPTION - 626450

++ S/B MIDSTATES PETRO. CO., LLC; ATTORNEY FOR OPERATOR HAS BEEN NOTIFIED
6/20/2014 - G75 - (I.O.) 9-17N-22W
X141677 CGGV
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 2300 FWL
MIDSTATES PETRO. CO. ++
6-6-2014

SPACING - 141677

++ S/B MIDSTATES PETRO. CO., LLC; ATTORNEY FOR OPERATOR HAS BEEN NOTIFIED
6/20/2014 - G75 - (640) 9-17N-22W
EXT 104943 CGGV, OTHERS

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045 23486 KAISER 1722 4H-9 CG B