

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

API NUMBER: 045 23465

Approval Date: 04/23/2014

Expiration Date: 10/23/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 17N Rge: 22W County: ELLIS
SPOT LOCATION: SE SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 200 1915

Lease Name: DANNY 1722 Well No: 4H-3 CG A Well will be 200 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

TOM BARBER
P.O. BOX 294
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: 577291

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201401580
201401579

Special Orders:

Total Depth: 12945

Ground Elevation: 2071

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 320

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

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: 14-26822
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 03 Twp 17N Rge 22W County ELLIS

Spot Location of End Point: C N2 NW NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 8110

Radius of Turn: 440

Direction: 359

Total Length: 4144

Measured Total Depth: 12945

True Vertical Depth: 8550

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

Notes:

Category	Description
DEEP SURFACE CASING	4/2/2014 - 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
PENDING CD - 201401579	4/2/2014 - G30 - 3-17N-22W X577291 CGGV 1 WELL NO OP. NAMED REC 4/21/14 (P. PORTER)
PENDING CD - 201401580	4/2/2014 - G30 - (I.O.) 3-17N-22W X577291 CGGV COMP. INT. NCT 330 FSL, NCT 330 FNL, NCT 660 FWL NO OP. NAMED REC 4/21/14 (P. PORTER)
SPACING - 577291	4/2/2014 - G30 - (640) 3-17N-22W DEL 120351 CGGV EXT 392512 CGGV

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