

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

API NUMBER: 009 21931

Approval Date: 05/14/2014
Expiration Date: 11/14/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 06 Twp: 10N Rge: 26W County: BECKHAM
SPOT LOCATION: NW NE NE NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 225 600

Lease Name: LONSDALE 6-10-26 Well No: 1H Well will be 225 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING INC Telephone: 4059358143; 4059358 OTC/OCC Number: 17441 0

CHESAPEAKE OPERATING INC
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

VOLETA MCENTIRE TRUST
10595 NORTH 1750 ROAD
SWEETWATER OK 73666

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

	Name	Depth	Name	Depth
1	VIRGIL	9277	6	
2	MISSOURIAN GRANITE WASH	10865	7	
3	DES MOINES GRANITE WASH	12602	8	
4			9	
5			10	

Spacing Orders: 487143
490926

Location Exception Orders:

Increased Density Orders: 625078

Pending CD Numbers: 201402986
201403222

Special Orders:

Total Depth: 17800

Ground Elevation: 2190

Surface Casing: 540

Depth to base of Treatable Water-Bearing FM: 290

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 25000 Average: 8000

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

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

H. SEE MEMO

PERMIT NO: 14-27141

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE
Type of Mud System: OIL BASED
Chlorides Max: 300000 Average: 160000
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: 3
Liner required for Category: 3
Pit Location is AP/TE DEPOSIT
Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 06 Twp 10N Rge 26W County BECKHAM
Spot Location of End Point: SE SW SE SE
Feet From: SOUTH 1/4 Section Line: 100
Feet From: EAST 1/4 Section Line: 850
Depth of Deviation: 12198
Radius of Turn: 780
Direction: 183
Total Length: 4377
Measured Total Depth: 17800
True Vertical Depth: 12978
End Point Location from Lease,
Unit, or Property Line: 100

Notes:

Table with 2 columns: Category and Description. Contains notes about increased density, memo, pending CD, and spacing.

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Category

Description

SPACING - 490926

5/13/2014 - G75 - (658.22)(IRR UNIT) FRAC SEC 1-10N-27W & 6-10N-26W
EXT 4866399 VRGL

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