

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

API NUMBER: 149 21676 A

Approval Date: 03/21/2013
Expiration Date: 09/21/2013

Horizontal Hole Oil & Gas

Amend reason: WELL NAME CHANGE

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 19 Twp: 11N Rge: 18W County: WASHITA
SPOT LOCATION: NW NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 250 2365

Lease Name: MCNATT 18-11-18 Well No: 3H Well will be 250 feet from nearest unit or lease boundary.
Operator Name: CHESAPEAKE OPERATING INC Telephone: 4059358143 OTC/OCC Number: 17441 0

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

SHARON HALL MCNATT
PO BOX 69
FOSS OK 73647

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

Name	Depth	Name	Depth
1 DES MOINES GRANITE WASH	12370	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 281578 Location Exception Orders: 608739 Increased Density Orders: 608738

Pending CD Numbers:

Special Orders:

Total Depth: 17665 Ground Elevation: 1766 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 390

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: 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 BED AQUIFER
Pit Location Formation: ELK CITY

Approved Method for disposal of Drilling Fluids:

- A. Evaporation/dewater and backfilling of reserve pit.
- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 13-22912
- H. SEE MEMO

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: 200000
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 BED AQUIFER
Pit Location Formation: ELK CITY

HORIZONTAL HOLE 1

Sec 18 Twp 11N Rge 18W County WASHITA
Spot Location of End Point: NW NW NW NE
Feet From: NORTH 1/4 Section Line: 300
Feet From: EAST 1/4 Section Line: 2500
Depth of Deviation: 12153
Radius of Turn: 361
Direction: 359
Total Length: 4420
Measured Total Depth: 17665
True Vertical Depth: 12514
End Point Location from Lease,
Unit, or Property Line: 300

Additional Surface Owner Address City, State, Zip
JACKIE R. MCNATT HC 66 BOX 22 FOSS, OK 73647

Notes:

Table with 2 columns: Category, Description. Rows include DSC, INCREASED DENSITY - 608738, LOCATION EXCEPTION - 608739, MEMO, and SPACING - 281578.

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