

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

API NUMBER: 045 23340

Approval Date: 04/12/2013
Expiration Date: 04/12/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 12 Twp: 16N Rge: 23W County: ELLIS
SPOT LOCATION: SE SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 300 1500

Lease Name: DICKSON 12-16-23 Well No: 1H Well will be 300 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

OKLAHOMA DEPARTMENT OF WILDLIFE
PO BOX 18496
OKLAHOMA CITY OK 73152

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

	Name	Depth	Name	Depth
1	DOUGLAS (LS TONKAWA)	7800	6	
2	TONKAWA	8167	7	
3			8	
4			9	
5			10	

Spacing Orders: 584453 Location Exception Orders: 609585 Increased Density Orders: 609025

Pending CD Numbers:

Special Orders:

Total Depth: 13500 Ground Elevation: 2063 **Surface Casing: 720** Depth to base of Treatable Water-Bearing FM: 470

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: OGALLALA

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: 13-23072

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: OGALLALA

HORIZONTAL HOLE 1

Sec 12 Twp 16N Rge 23W County ELLIS
Spot Location of End Point: NW NE NW NE
Feet From: NORTH 1/4 Section Line: 250
Feet From: EAST 1/4 Section Line: 1800
Depth of Deviation: 7492
Radius of Turn: 780
Direction: 360
Total Length: 4500
Measured Total Depth: 13500
True Vertical Depth: 8272
End Point Location from Lease,
Unit, or Property Line: 250

Notes:

Table with 2 columns: Category and Description. Contains notes about increased density, location exceptions, and spacing units.

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.



648922

Regulatory Department

October 11, 2013

VIA HAND DELIVERED

Oklahoma Corporation Commission
Oil and Gas Conservation Division
P. O. Box 52000-2000
Oklahoma City, OK 73152-2000

Approved for 6 Month
Extension From
10-12-13
10-14-13 UB

RE: Permit Extension of Time
Dickson 12-16-23 1H
Section 12-16N-23W
Ellis County

Dear Sir or Madam:

Chesapeake Operating, Inc. respectfully requests a six-month extension on the approved permit for the (Dickson 12-16-23 1H) (API 045-23340) that is due to expire 10/12/13. All information on the permit remains the same. We understand the extension will be granted for only one six-month period and once that period has elapsed, the permit and fee must be resubmitted.

If you have any questions, please contact me at 405-935-4930.

Sincerely,

Chesapeake Operating, Inc.

Arianna Bedell
Arianna Bedell
Regulatory Technician

Enclosures

#17441
up 3-1-14
OK

RECEIVED

OCT 14 2013

OKLAHOMA CORPORATION
COMMISSION

Chesapeake Energy Corporation

P.O. Box 18496 | Oklahoma City, OK 73154-0496 | 6100 N. Western Avenue | Oklahoma City, OK 73118

405-848-8000