

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

API NUMBER: 129 23950

Approval Date: 05/08/2014
Expiration Date: 11/08/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 13N Rge: 23W County: ROGER MILLS
SPOT LOCATION: NW NW NW NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 240 2350

Lease Name: PARKER 4-13-23 Well No: 1H Well will be 240 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

DWAYNE & JUHRETTA ROARK
P.O. BOX 443
CHEYENNE OK 73628

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

Name	Depth	Name	Depth
1 DOUGLAS	8026	6 CHEROKEE UP	11319
2 TONKAWA	8821	7 CHEROKEE LOW	11384
3 COTTAGE GROVE	9457	8 ATOKA	11434
4 CLEVELAND	10422	9 MORROW UP	11664
5 MARMATON	10683	10	

Spacing Orders: 127156 Location Exception Orders: 624440 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 13750 Ground Elevation: 1970 **Surface Casing: 680** Depth to base of Treatable Water-Bearing FM: 430

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

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? Y

Wellhead Protection Area? Y

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26914
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: CLOSED Closed System Means Steel Pits

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? Y

Wellhead Protection Area? Y

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

HORIZONTAL HOLE 1

Sec 04 Twp 13N Rge 23W County ROGER MILLS

Spot Location of End Point: SW SW SW SE

Feet From: SOUTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 2600

Depth of Deviation: 8017

Radius of Turn: 780

Direction: 183

Total Length: 4508

Measured Total Depth: 13750

True Vertical Depth: 11664

End Point Location from Lease,
Unit, or Property Line: 200

Notes:

Category

Description

LOCATION EXCEPTION - 624440

5/8/2014 - G75 - (I.O.) 4-13N-23W
X127156 DGLS, TNKW, CGGV, CLVD, MRMN, CHRKU, CHRKL, ATOK, MRRWU
COMPL. INT. NCT 330 FNL, NCT 330 FSL, NCT 660 FEL
CHESAPEAKE OP., INC.
4-24-2014

MEMO

4/28/2014 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - WASHITA RIVER); PIT
2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

MUNICIPAL WATER WELLS

4/28/2014 - G71 - ROGER MILLS RWS & SWMD #1, 2 WELLS, NE4 33-14N-23W

SPACING - 127156

5/8/2014 - G75 - (640) 4-13N-23W
EST DGLS, TNKW, CGGV, CLVD, MRMN, CHRKU, CHRKL, ATOK, MRRWU

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