

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

API NUMBER: 073 25412

Approval Date: 11/07/2016

Expiration Date: 05/07/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 31 Twp: 18N Rge: 6W

County: KINGFISHER

SPOT LOCATION: ☐ SW ☐ SW ☐ SE ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 243 1133

Lease Name: MORRIS 31-18-6

Well No: 2H

Well will be 243 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC

Telephone: 4059353425; 4059358

OTC/OCC Number: 17441 0

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

RANDALL MORRIS FARRAR, MARK FARRAR AND
STEVEN FARRAR
PO BOX 197
DOVER OK 73734

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

	Name	Depth	Name	Depth
1	BIG LIME	6350	6	
2	OSWEGO	6390	7	
3			8	
4			9	
5			10	

Spacing Orders: 655822

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201604253
201604254

Special Orders:

Total Depth: 11800

Ground Elevation: 1098

Surface Casing: 460

Depth to base of Treatable Water-Bearing FM: 210

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: 5000 Average: 3000

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)

PERMIT NO: 16-31710

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: 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 31 Twp 18N Rge 6W County KINGFISHER

Spot Location of End Point: C N2 N2 N2

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2640

Depth of Deviation: 6261

Radius of Turn: 593

Direction: 350

Total Length: 4607

Measured Total Depth: 11800

True Vertical Depth: 6622

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

Notes:

Category

Description

HYDRAULIC FRACTURING

10/25/2016 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE.

MEMO

10/25/2016 - G71 - PITS 1 & 2 - CONCRETE LINED PIT PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201604253

10/25/2016 - G64 - (I.O.) 31-18N-6W
X655822 BGLM, OSWG
2 WELLS
CHESAPEAKE EXPLORATION, LLC
REC. 10-18-2016 (M. PORTER)

PENDING CD - 201604254

10/25/2016 - G64 - (I.O.) 31-18N-6W
X655822 BGLM, OSWG
COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 2600' FEL
CHESAPEAKE EXPLORATION, LLC
REC. 10-18-2016 (M. PORTER)

SPACING - 655822

10/25/2016 - G64 - (640)(HOR) 31-18N-6W
EST BGLM, OSWG
POE TO BHL NCT 660' FB
(COEXIST SP. ORDER #57462/57687 BGLM, OSWG)

SURFACE CASING

10/25/2016 - G71 - MIN. 300' PER ORDERS 23720/41036/42410

This permit does not address the right of entry or settlement of surface damages.

073 25412 MORRIS 31-18-6 2H

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.

SECTION 31, T 18 N - R 06 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

X: 2037960.0
Y: 364226.2

BEARINGS ARE GRID
OKLAHOMA SPC, NAD 27, NORTH ZONE

R 07 W	R 06 W
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100	100

X: 2035311.0
Y: 364251.7

BOTTOM HOLE
330'FNL-2640'FEL

10

2311'

31

P.D.P. 4607,

X: 2037970.6
Y: 361580.2

X: 2032654.4
Y: 361641.1

X: 2032676.5
Y: 358996.1

T	18	N
	<hr/>	
T	17	N

X: 2035317.4
Y: 358964.5


~~P.D.P. 1512'~~
~~— 1524' —~~

SURFACE HOLE
243'FSL-1133'FEL

X: 2037974.9
Y: 358933.7

Operator: CHESAPEAKE OPERATING, L.L.C. Date Staked: 9/2/16
Lease Name: MORRIS 31-18-6 Well No.: 2H Elevation: 1098'
Topography and Vegetation: PASTURE
Good Drill Site? YES Reference or Alt. Location Stakes Set: NONE
Best Accessibility to Location: FROM COUNTY ROAD
Distance and Direction from Hwy. Jct. or town: FROM DOVER, HEAD NORTH ON US HWY 81 0.4 MILES,
THEN EAST ON CO. RD. E0710 1.9 MILES, TURN NORTH INTO LOCATION

LEGEND

SURFACE LOCATION	
BOTTOM HOLE/LANDING POINT	
EXISTING WELL	
PROPOSED DRILL PATH	
EXISTING PIPELINE	
ELECTRIC LINE	
OVERHEAD POWER	
FENCE	

Chesapeake
Operating, Inc.

 **Chesapeake**
ENERGY

Gateway

Gateway Services Group, LLC

P.O. BOX 960
MEEKER, OK 74855
OFF. (405) 273-0954
FAX (405) 273-0580
C.A. NO. 4091 (LS)
EXP. DATE 6-30-2018

Gateway
Gateway Services Group, LLC

EXHIBIT "A" PRELIMINARY
MORRIS 31-18-6 2H
243/FSL-1133/FEL
SE/4 SECTION 31, T 18 N - R 06 W, I.M.,
KINGFISHER COUNTY, OKLAHOMA

[illegible]

FRED ANTHONY SELENSKY
OKLAHOMA L.P.L.S. NO. 1860

NOTE: This is a plat of a proposed well location and does not represent a true boundary survey. The information shown herein shall not be relied upon for the location or establishment of land boundary lines. All of the positions shown herein have not been verified as being actual Section, Quarter or Property corners. Positions shown in (Parentheses) are based upon local occupation and improvements or calculated per proportional measurement and/or G.L.O. record distances. Review this plat and notify Gateway Services Group, LLC immediately of any possible discrepancy.

A circular professional seal for a land surveyor. The outer ring contains the text "LICENSED PROFESSIONAL LAND SURVEYOR" at the top and "OKLAHOMA" at the bottom. The inner circle contains the name "FRED ANTHONY SELESKY", the license number "9-12-2616", and the year "1860". Below the seal, the text "Commission Expires 12-31-2016" is printed.