

API NUMBER: 051 24784

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

Approval Date: 05/12/2020

Expiration Date: 11/12/2021

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 01 Township: 3N Range: 5W County: GRADY

SPOT LOCATION: ☐ NE ☐ SE ☐ SE ☐ SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 340 2385

Lease Name: BILLY Well No: 0305 2HA-12 Well will be 340 feet from nearest unit or lease boundary.

Operator Name: OVINTIV MID-CONTINENT INC. Telephone: 2812105100; 9188781290; OTC/OCC Number: 20944 0

OVINTIV MID-CONTINENT INC.
4 WATERWAY AVE STE 100
THE WOODLANDS, TX 77380-2764

ODELL F. PARKER AND GLENDA N. PARKER
44010 COUNTY ST 2980
LINDSAY OK 73052

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

Name	Code	Depth
1 SPRINGER	401SPRG	13095

Spacing Orders: 185087
185688

Location Exception Orders: 711347
711348

Increased Density Orders: 711442

Pending CD Numbers: No Pending

Special Orders: No Special Orders

Total Depth: 18577 Ground Elevation: 1163

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 450

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 20-37340
E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits
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: C

Liner not required for Category: C

Pit Location is: BED AQUIFER

Pit Location Formation: DUNCAN

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? N
Wellhead Protection Area? N
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: DUNCAN

This permit does not address the right of entry or settlement of surface damages.
The duration of this permit is 18 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.

HORIZONTAL HOLE 1

Section: 12	Township: 3N	Range: 5W	Total Length: 4952
County: GRADY			Measured Total Depth: 18577
Spot Location of End Point: SW	SW	SW	SE
Feet From: SOUTH	1/4 Section Line: 85		True Vertical Depth: 13232
Feet From: EAST	1/4 Section Line: 2430		End Point Location from Lease, Unit, or Property Line: 85

NOTES:	
Category	Description
DEEP SURFACE CASING	4/2/2020 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
EXCEPTION TO RULE - 711348 (202000610)	5/12/2020 - GB6 - (I.O.) 12-3N-5W X165:10-3-28(C)(2)(B) SPRG (BILLY 0305 2HA-12) MAY BE CLOSER THAN 600' TO BILLY 1H-12 (API #3505123955) AND/OR PROPOSED BILLY 0305 3H-12, BILLY 0305 4H-12 OVINTIV MID-CONTINENT INC. 05/06/2020
HYDRAULIC FRACTURING	4/2/2020 - G71 - OCC 165:10-3-10 REQUIRES: 1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE; 2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
INCREASED DENSITY - 711442 (202000607)	5/12/2020 - GB6 - 12-3N-5W X185087/185688 SPRG 3 WELLS OVINTIV MID-CONTINENT INC. 05/08/2020
LOCATION EXCEPTION - 711347 (202000609)	05/12/2020 - GB6 - (I.O.) 12-3N-5W X185087/185688 SPRG TARGETED RESERVOIR IS RECOGNIZED LOWER SHALE MEMBER OF THE SPRINGER CSS COMPL. INT. NCT 165' FSL, NCT 165' FNL, NCT 1980' FEL OVINTIV MID-CONTINENT INC. 05/06/2020
MEMO	4/2/2020 - G71 - PIT 1 & 2 - CLOSED SYSTEM = STEEL PITS PER OPERATOR REQUEST, WBM/CUTTINGS & OBM CUTTINGS CAPTURED IN STEEL HALF PITS, WBM/CUTTINGS WILL BE SOIL FARMED, OBM CUTTINGS TRANSFERRED TO R360 587498 (31-12N-8W), CANADIAN CO, PIT 2 - OBM TO VENDOR
SPACING - 185087	4/13/2020 - GB6 - (640) 12-3N-5W EXT OTHER EST SPRG, OTHERS
SPACING - 185688	4/13/2020 - GB6 - NPT 185087 TO CORRECT DESCRIBED COUNTY FROM MCCLAIN TO GRADY COUNTY, OKLAHOMA

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

The duration of this permit is 18 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.

051 24784 BILLY 0305 2HA-12

API 051-24784

WELL LOCATION

BILLY 0305 2HA-12
OVINTIV MID-CONTINENT INC.
SECTION 1, TOWNSHIP 3N, RANGE 5W I.M.
GRADY COUNTY, OKLAHOMA

LEGEND

- MERIDIAN/SECTION LINE
- QUARTER SECTION LINE
- SIXTEENTH SECTION LINE
- PROPOSED WELL BORE
- ===== ROADWAY



SURFACE LOCATION
340' FSL & 2385' FWL
NAD-27
X=2096814
Y=517465
LAT.: 34°45'17.5" N
LONG.: 97°40'38.7" W
LAT.: 34.754868° N
LONG.: 97.677897° W
NAD-83
X=2065218
Y=517510
LAT.: 34°45'17.8" N
LONG.: 97°40'40.8" W
LAT.: 34.754943° N
LONG.: 97.678007° W

LAST TAKE POINT
165' FSL & 2430' FEL
NAD-27
X=2097285
Y=512013
LAT.: N 34°44'23.5"
LONG.: W 97°40'34.3"
LAT.: N 34.739874
LONG.: W 97.676182
NAD-83
X=2065690
Y=512055
LAT.: N 34°44'23.8"
LONG.: W 97°40'35.4"
LAT.: N 36.739949
LONG.: W 97.676492

NAD-27
X 2094426.77
Y 522411.26
NAD-83
X 2062831.12
Y 522453.19

NAD-27
X 2097068.84
Y 522413.96
NAD-83
X 2065473.20
Y 522455.92

NAD-27
X 2099710.89
Y 522416.70
NAD-83
X 2068115.26
Y 522458.69

NAD-27
X 2094428.87
Y 519766.95
NAD-83
X 2062832.25
Y 519808.87

NAD-27
X 2094428.86
Y 517122.42
NAD-83
X 2062833.27
Y 517164.33

NAD-27
X 2094430.76
Y 514481.73
NAD-83
X 2062835.19
Y 514523.65

NAD-27
X 2094432.73
Y 511841.27
NAD-83
X 2062837.18
Y 511883.19

NAD-27
X 2099712.78
Y 519776.24
NAD-83
X 2068117.17
Y 519818.22

NAD-27
X 2099714.85
Y 517135.65
NAD-83
X 2068119.27
Y 517177.63

NAD-27
X 2099714.08
Y 514496.04
NAD-83
X 2068118.52
Y 514538.02

NAD-27
X 2099718.11
Y 511853.35
NAD-83
X 2068120.57
Y 511895.33

LANDING POINT
165' FSL & 2430' FEL
NAD-27
X=2097285
Y=512013
LAT.: N 34°44'23.5"
LONG.: W 97°40'34.3"
LAT.: N 34.739874
LONG.: W 97.676182
NAD-83
X=2065690
Y=512055
LAT.: N 34°44'23.8"
LONG.: W 97°40'35.4"
LAT.: N 36.739949
LONG.: W 97.676492

BOTTOM HOLE
85' FSL & 2430' FEL
NAD-27
X=2097285
Y=512013
LAT.: N 34°44'23.5"
LONG.: W 97°40'34.3"
LAT.: N 34.739874
LONG.: W 97.676182
NAD-83
X=2065690
Y=512055
LAT.: N 34°44'23.8"
LONG.: W 97°40'35.4"
LAT.: N 36.739949
LONG.: W 97.676492

SURVEYOR'S CERTIFICATE:
I, THOMAS L. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.



ELEVATION:
1163' Gr. at Stake (NGVD29)
1163' Gr. at Stake (NAVD88)

Thomas L. Howell
Thomas L. Howell, P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors



13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3210
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO.: BILLY 0305 2HA-12

SECTION 1 TWP 3N RGE 5W MERIDIAN I.M.
COUNTY GRADY STATE OKLAHOMA
DESCRIPTION 340' FSL & 2385' FWL

BILLY 0305 2HA-12	REVISION:	
	INT	DATE
DATE: 5/11/20		
FILE: LO_BILLY_0305 2HA-12		
DRAWN BY: TR		
SHEET: 1 OF 2		

- NOTES:**
1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
 2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH ORUSON CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. GPS RESULTS ARE CORRELATED TO OKLAHOMA SOUTH ZONE, NAD 83 - HORIZONTAL AND NAVD 88 - VERTICAL.
 3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION AND USING DOCUMENTATION PROVIDED BY OVINTIV MID-CONTINENT INC. ONLY. UTILITIES EASEMENTS THAT WERE USABLE ON THE DATE OF THIS SURVEY, WITHIN ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
 4. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
 5. THE INFORMATION SHOWN HEREON IS FOR CONSTRUCTION PURPOSES ONLY.