

API NUMBER: 049 25343

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

Approval Date: 08/02/2021
Expiration Date: 02/02/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 33 Township: 3N Range: 4W County: GARVIN

SPOT LOCATION: ☐ NE ☐ NW ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST
SECTION LINES: 215 2285

Lease Name: PATRICIA ANN 0304 Well No: 2H-28 Well will be 215 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

RICHARD KELLNER
19884 N. COUNTY ROAD 3000
LINDSAY OK 73052

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

Name	Code	Depth
1 SPRINGER	401SPRG	12670

Spacing Orders: 131585

Location Exception Orders: 719280
719793

Increased Density Orders: 719491

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 17908

Ground Elevation: 1044

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 330

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT)		PERMIT NO: 21-37701
E. Haul to Commercial pit facility	Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498	
H. (Other)	SEE MEMO	

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: ALLUVIAL

Pit Location Formation: ALLUVIUM

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: 28	Township: 3N	Range: 4W	Meridian: IM	Total Length: 4958
County: GARVIN				Measured Total Depth: 17908
Spot Location of End Point: NE	NW	NW	NE	True Vertical Depth: 13000
Feet From: NORTH	1/4 Section Line: 85			End Point Location from
Feet From: EAST	1/4 Section Line: 2300			Lease, Unit, or Property Line: 85

NOTES:

Category	Description
DEEP SURFACE CASING	[8/2/2021 - GC2] - 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 - 719793	[8/2/2021 - G56] - (I.O.) 28-3N-4W X165:10-3-28(C)(2)(B) SPRG (MARIE 0304 1H-28)*** MAY BE CLOSER THAN 600' TO EXISTING AND/OR PROPOSED WELLS NO OP NAMED 7/30/2021 ***S/B PATRICIA ANN 0304 2H-28, WILL BE CORRECTED AT FINAL HEARING PER ATTORNEY FOR OPERATOR;
HYDRAULIC FRACTURING	[8/2/2021 - GC2] - OCC 165:10-3-10 REQUIRES: 1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN; 2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCWEB.COM/OG/OGFORMS.HTML ; AND, 3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
INCREASED DENSITY - 719491	[8/2/2021 - G56] - 28-3N-4W X131585 SPRG 3 WELLS OVINTIV MID-CON INC 7/16/2021
LOCATION EXCEPTION - 719280	[8/2/2021 - G56] - (I.O.) 28-3N-4W X131585 SPRG COMPL INT NCT 165' FSL, NCT 165' FNL, NCT 1320' FEL OVINTIV MID-CON INC 7/6/2021
MEMO	[8/2/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - RUSH CREEK), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 131585	[8/2/2021 - G56] - (640) 28-3N-4W EST SPRG, OTHERS

WELL LOCATION
PATRICIA ANN 0304 2H-28
OVINTIV MID-CONTINENT INC.
SECTION 33, TOWNSHIP 3N, RANGE 4W, I.M.
GARVIN COUNTY, OKLAHOMA

LEGEND

--- SECTION LINE
--- QUARTER SECTION LINE
--- 16TH LINE
--- PROPOSED WELL BORE



SCALE: 1" = 2000'

0' 1000' 2000'

SURFACE LOCATION

215' FNL & 2285' FEL

NAD-27

X= 2113348

Y= 495805

LAT.: 34°41'42.7" N

LONG.: 97°37'22.5" W

LAT.: 34.695186° N

LONG.: 97.622921° W

ELEV.: 1044' (NGVD29)

NAD-83

X= 2081753

Y= 495847

LAT.: 34°41'42.9" N

LONG.: 97°37'23.6" W

LAT.: 34.695264° N

LONG.: 97.623229° W

ELEV.: 1044' (NAVD88)

LANDING POINT

165' FSL & 2300' FEL

NAD-27

X= 2113330

Y= 496185

LAT.: 34°41'46.4" N

LONG.: 97°37'22.7" W

LAT.: 34.696231° N

LONG.: 97.622976° W

NAD-83

X= 2081735

Y= 496227

LAT.: 34°41'46.7" N

LONG.: 97°37'23.8" W

LAT.: 34.696308° N

LONG.: 97.623284° W

LAST TAKE POINT

165' FNL & 2300' FEL

NAD-27

X= 2113296

Y= 501144

LAT.: 34°42'35.5" N

LONG.: 97°37'22.9" W

LAT.: 34.709856° N

LONG.: 97.623028° W

NAD-83

X= 2081701

Y= 501186

LAT.: 34°42'35.8" N

LONG.: 97°37'24.0" W

LAT.: 34.709933° N

LONG.: 97.623337° W

BOTTOM HOLE

85' FNL & 2300' FEL

NAD-27

X= 2113295

Y= 501224

LAT.: 34°42'36.3" N

LONG.: 97°37'22.9" W

LAT.: 34.710076° N

LONG.: 97.623029° W

NAD-83

X= 2081700

Y= 501266

LAT.: 34°42'36.5" N

LONG.: 97°37'24.0" W

LAT.: 34.710153° N

LONG.: 97.623337° W

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.



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

LEASE NAME & WELL NO. PATRICIA ANN 0304 2H-28

SECTION 33 TWP 3N RGE 4W MERIDIAN I.M.

COUNTY GARVIN STATE OKLAHOMA

DESCRIPTION 215' FNL & 2285' FEL



13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3219
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

PATRICIA ANN
0304 2H-28

REVISION:

INT DATE

DATE: 06/29/2021

FILE:LO_PATRICIA_ANN_0304_2H-28

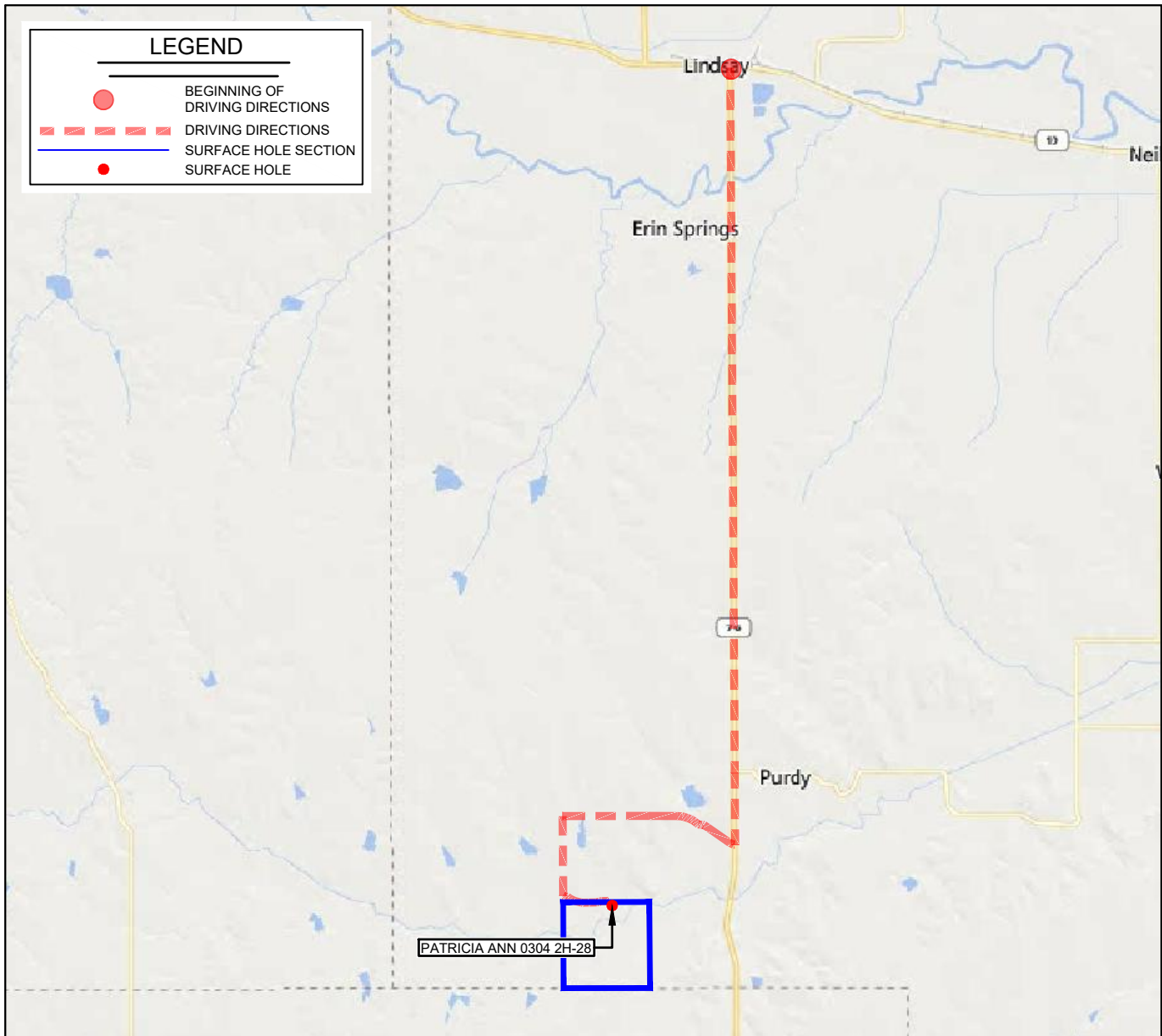
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SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID OKLAHOMA COORDINATE SYSTEM OF 1983 SOUTH ZONE ACCORDING TO THE RESULT OF STATIC GPS OBSERVATION PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA COORDINATE SYSTEM THROUGH SOUTH ZONE AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.
3. OKLAHOMA COORDINATE SYSTEM OF 1927 AND NATIONAL GEOGRAPHIC VERTICAL DATUM OF 1929 INFORMATION CONVERTED FROM OKLAHOMA COORDINATE SYSTEM OF 1983 AND NORTH AMERICAN VERTICAL DATUM OF 1988.
4. 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 VISIBLE 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.
5. LANDING POINT, BOTTOM HOLE, AND DRILL PATH INFORMATION PROVIDED BY OPERATOR AS SHOWN AND ARE NOT SURVEYED LOCATIONS.
6. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

VICINITY MAP



LEASE NAME & WELL NO. PATRICIA ANN 0304 2H-28

SECTION 33 TWP 3N RGE 4W MERIDIAN I.M.

COUNTY GARVIN STATE OKLAHOMA

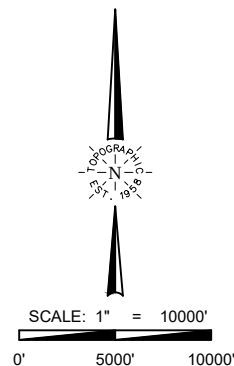
DESCRIPTION 215' FNL & 2285' FEL

DISTANCE & DIRECTION

FROM THE INTERSECTION OF OK-19 & OK-76 GO ± 9.0 MI. SOUTH
ON OK-76, THEN ± 2.0 MI. NORTHWESTERLY ON E. COUNTY RD
1590, THEN ± 0.9 MI. SOUTH ON N. COUNTY RD. 3010, THEN ± 0.5
MI. SOUTHEASTERLY ON LEASE ROAD TO LOCATION IN THE
NORTHEAST QUARTER OF SECTION 33-T3N-R4W.

THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY OVINTIV MID-CONTINENT INC.. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE OKLAHOMA STATE PLANE COORDINATE SYSTEM, NORTH ZONE OF THE NORTH AMERICAN DATUM 1983, U.S. SURVEY FEET AND THE NORTH AMERICAN VERTICAL DATUM OF 1988.



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
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