

API NUMBER: 073 26840

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

Approval Date: 03/22/2022  
Expiration Date: 09/22/2023

Horizontal Hole Oil & Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 29 Township: 16N Range: 5W County: KINGFISHER

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 271 1439

Lease Name: WARIO 1605 Well No: 2LOH-20 Well will be 271 feet from nearest unit or lease boundary.  
Operator Name: CHAPARRAL ENERGY LLC Telephone: 4054264451; 4054264481; OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC  
4700 GAILLARDIA PARKWAY STE 200  
OKLAHOMA CITY, OK 73142-1839

STEPHEN R. FORMAN  
PO BOX 58  
KINGFISHER OK 73750

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	6730

Spacing Orders: 708028

Location Exception Orders: 723020

Increased Density Orders: 721564

Pending CD Numbers: No Pending

Working interest owners' notified: \*\*\*

Special Orders: No Special

Total Depth: 12500

Ground Elevation: 1058

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 150

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: 22-38186

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: SALT PLAINS

**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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: SALT PLAINS

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: 20      Township: 16N      Range: 5W      Meridian: 1M      Total Length: 4937  
County: KINGFISHER      Measured Total Depth: 12500  
Spot Location of End Point: NW      NE      NE      NE      True Vertical Depth: 7180  
Feet From: **NORTH**      1/4 Section Line: 165      End Point Location from  
Feet From: **EAST**      1/4 Section Line: 380      Lease, Unit, or Property Line: 165

## NOTES:

Category	Description
DEEP SURFACE CASING	[3/18/2022 - 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
HYDRAULIC FRACTURING	<p>[3/18/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCEWEB.COM/OG/OGFORMS.HTML">OCCEWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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 <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
INCREASED DENSITY - 721564	<p>[3/21/2022 - G56] - 20-16N-5W</p> <p>X708028 MSSP</p> <p>2 WELLS</p> <p>NO OP NAMED</p> <p>11/9/2021</p>
LOCATION EXCEPTION - 723020	<p>[3/21/2022 - G56] - (E.O.) 20-16N-5W</p> <p>X708028 MSSP</p> <p>CHAPARRAL ENERGY, LLC</p> <p>REC 3/21/2022</p>
MEMO	[3/18/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 708028	<p>[3/21/2022 - G56] - (640)(HOR) 20-16N-5W</p> <p>EST MSSP COMPL. INT. NCT 660' FB</p> <p>(COEXIST SP # 59564/61637 MSSLM N2 20-16N-5W, # 59564/61637/187296 MSSLM S2 20-16N-5W)</p>

# CHAPARRAL ENERGY

## COVER SHEET

SECTION: 29 TOWNSHIP: 16 N RANGE: 5 W I.M. WELL: WARIO 1605 1LOH-20  
COUNTY: KINGFISHER COUNTY STATE: OKLAHOMA WELL: WARIO 1605 2LOH-20  
OPERATOR: CHAPARRAL ENERGY, LLC WELL: N/A  
4700 GAILLARDIA PKWY, SUITE 200  
OKLAHOMA CITY, OK 73142 WELL: N/A

GPS DATUM NAD-27 OK NORTH ZONE						
NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
WARIO 1605 1LOH-20	306259'	2074099'	N35.841092°	W97.750002°	271' FNL & 1,454' FEL	29, T 16 N - R 5 W
WARIO 1605 1LOH-20 LP	306683'	2072921'	N35.842264°	W97.753972°	165' FSL & 2,630' FEL	20, T 16 N - R 5 W
WARIO 1605 1LOH-20 BHL	311615'	2072890'	N35.855813°	W97.754036°	165' FNL & 2,630' FEL	20, T 16 N - R 5 W
WARIO 1605 2LOH-20	306259'	2074114'	N35.841092°	W97.749951°	271' FNL & 1,439' FEL	29, T 16 N - R 5 W
WARIO 1605 2LOH-20 LP	306706'	2075171'	N35.842312°	W97.746381°	165' FSL & 380' FEL	20, T 16 N - R 5 W
WARIO 1605 2LOH-20 BHL	311643'	2075140'	N35.855876°	W97.746443°	165' FNL & 380' FEL	20, T 16 N - R 5 W



PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CAF 5166  
Exp: 06/30/2021

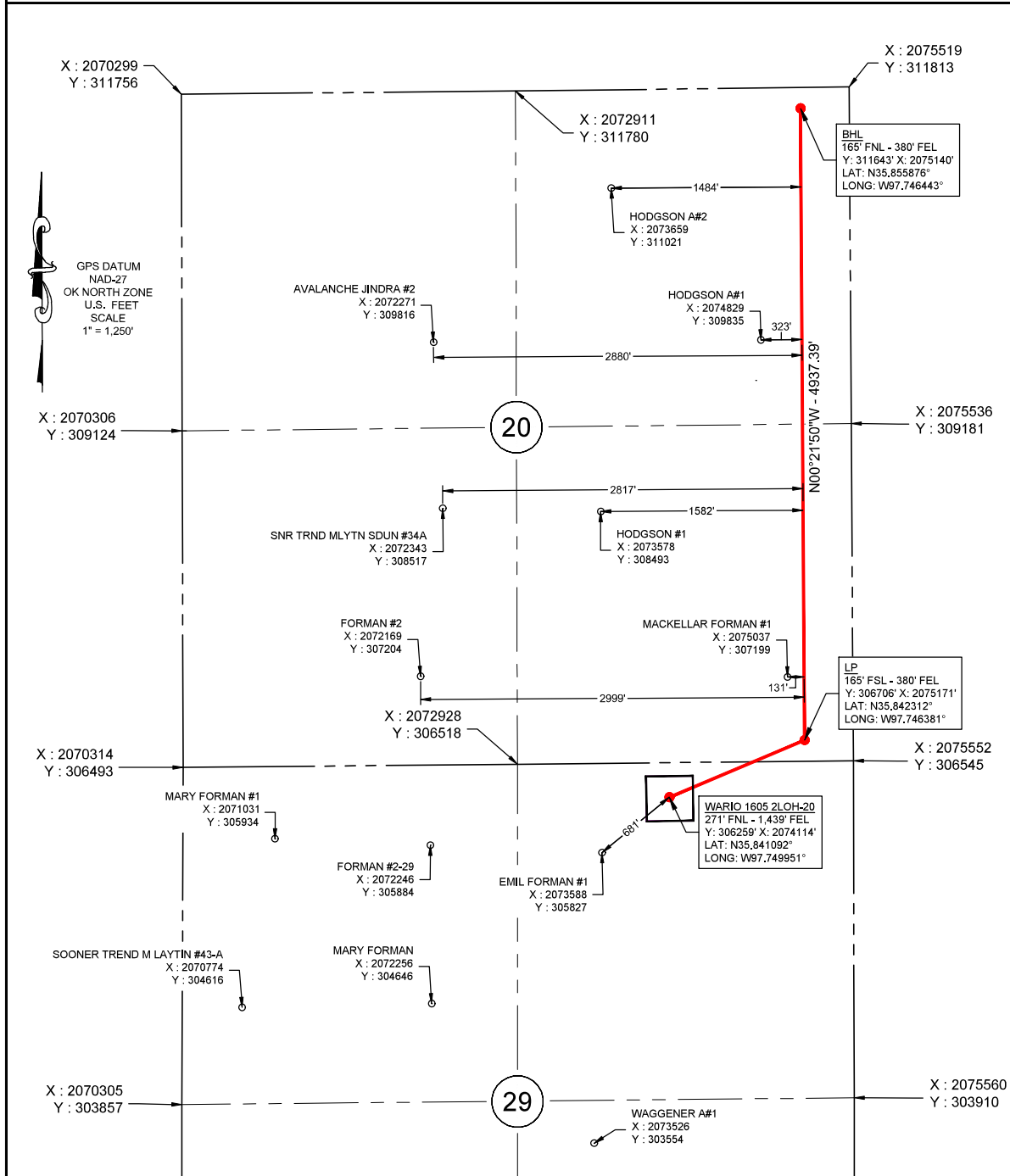
SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.	REV.	DATE	BY	DESCRIPTION
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA					
OPERATOR: CHAPARRAL	AFE: N/A					
DATE STAKED: 3/9/22	PAN-OP: 22-0007-001					
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA				
SHEET NO.: 1 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: A				

# CHAPARRAL ENERGY

WARIO 1605 2LOH-20

SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 3/9/22	PAN-OP: 22-0007-003	
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 3 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: C

## WELL LOCATION PLAT



PLEASE NOTE THAT THIS LOCATION WAS STAKED ON THE GROUND UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR, BUT THE ACCURACY OF THIS SURVEY IS NOT GUARANTEED. PLEASE CONTACT PAN-OP PROMPTLY IF ANY INCONSISTENCY IS DETERMINED. GPS DATA IS OBSERVED FROM RTK-GPS. NOTE: X AND Y DATA SHOWN HEREON FOR SECTION CORNERS MAY NOT HAVE BEEN SURVEYED ON-THE-GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. QUARTER SECTION DISTANCES MAY BE ASSUMED FROM A GOVERNMENT SURVEY PLAT OR ASSUMED AT A PROPORTIONATE DISTANCE FROM OPPOSING SECTION CORNERS, OR OCCUPATION THEREOF, AND MAY NOT HAVE BEEN MEASURED ON-THE-GROUND, AND FURTHER, DOES NOT REPRESENT A TRUE BOUNDARY SURVEY.

**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD,  
SUITE C2  
OKLAHOMA CITY, OK 73162  
C# 9166  
Exp: 06/30/2021

### LEGEND

<span style="color: red;">—</span>	DRILL PATH
<span style="color: red;">—</span>	WELL PAD
----	SECTION LINE
----	1/4 SEC LINE

SCALE: 1" = 1,000'

### CERTIFICATE:

I, CORY D. CULPEPPER AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF PAN-OP SURVEY & CONSULTING, LLC, DO HERBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

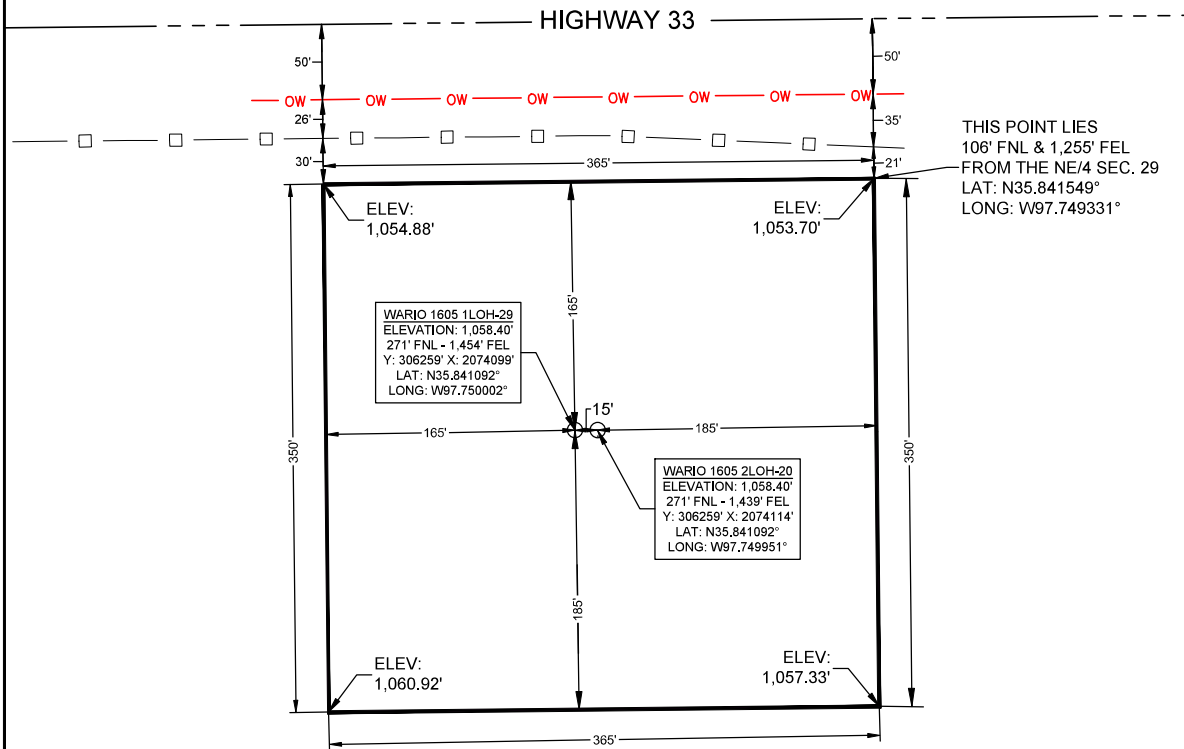
*Cory D. Culpepper*  
Oklahoma RPLS  
No. 1980  
3/14/2022



# CHAPARRAL ENERGY

WARIO 1605  
1LOH-20 & 2LOH-20  
NE/4 SEC. 29, T 16 N - R 5 W  
KINGFISHER COUNTY, OKLAHOMA

## PLAT



NE/4 SEC. 29, T 16 N - R 5 W

0' 50' 100' 200'  
1" = 100'



**PAN-OP**  
SURVEY & CONSULTING

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11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2021

### LEGEND

WELL PAD  
SECTION LINE  
1/4 SEC LINE  
BOUNDARY

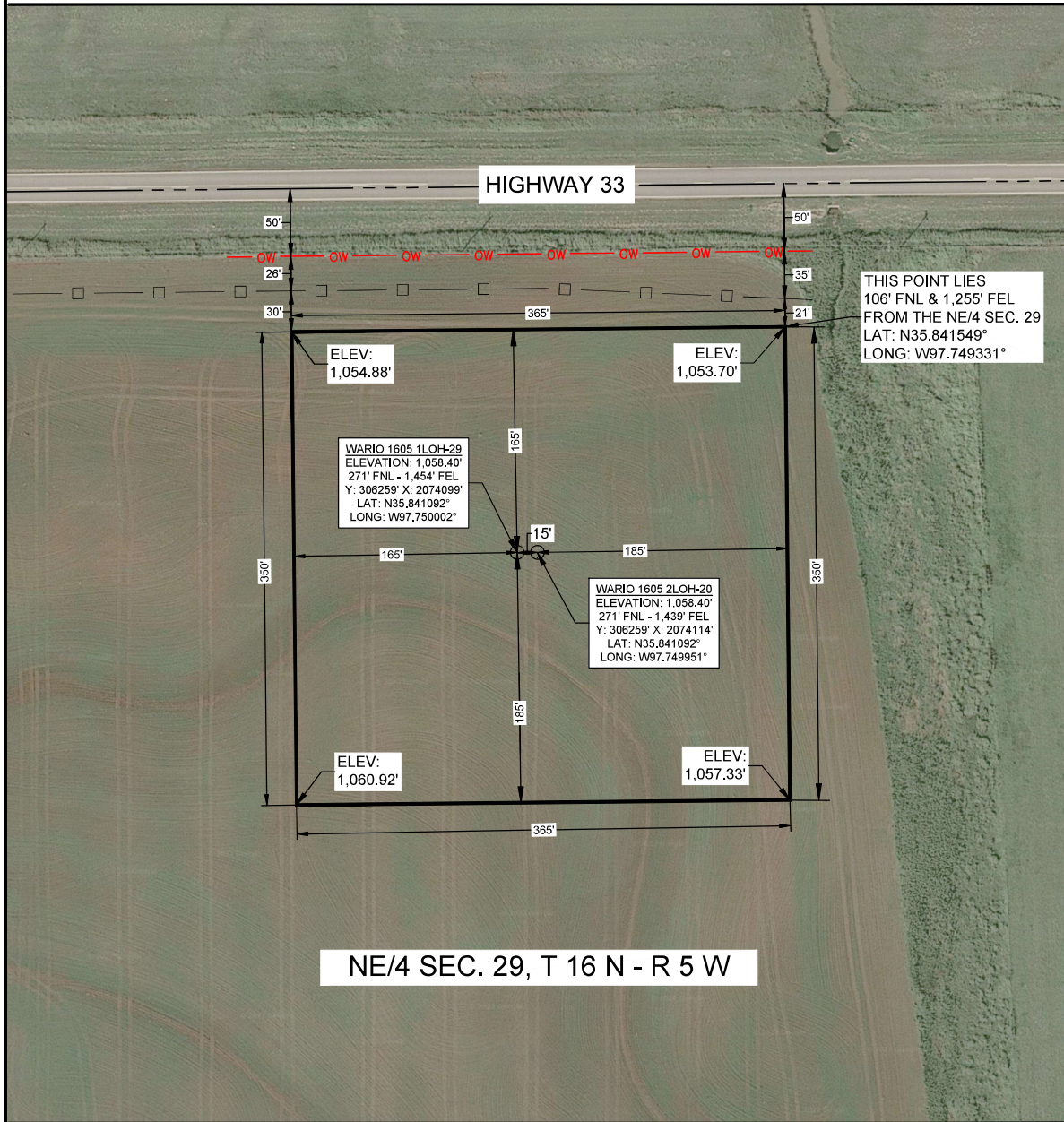
SCALE: 1" = 100'

SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 3/9/22	PAN-OP: 22-0007-004	
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 4 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: D

# CHAPARRAL ENERGY

WARIO 1605  
1LOH-20 & 2LOH-20  
NE/4 SEC. 29, T 16 N - R 5 W  
KINGFISHER COUNTY, OKLAHOMA

## PLAT



0' 50' 100' 200'  
1" = 100'



**PAN-OP**  
SURVEY & CONSULTING

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PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2021

### LEGEND

—— WELL PAD  
----- SECTION LINE  
----- 1/4 SEC LINE  
----- BOUNDARY

SCALE: 1" = 100'

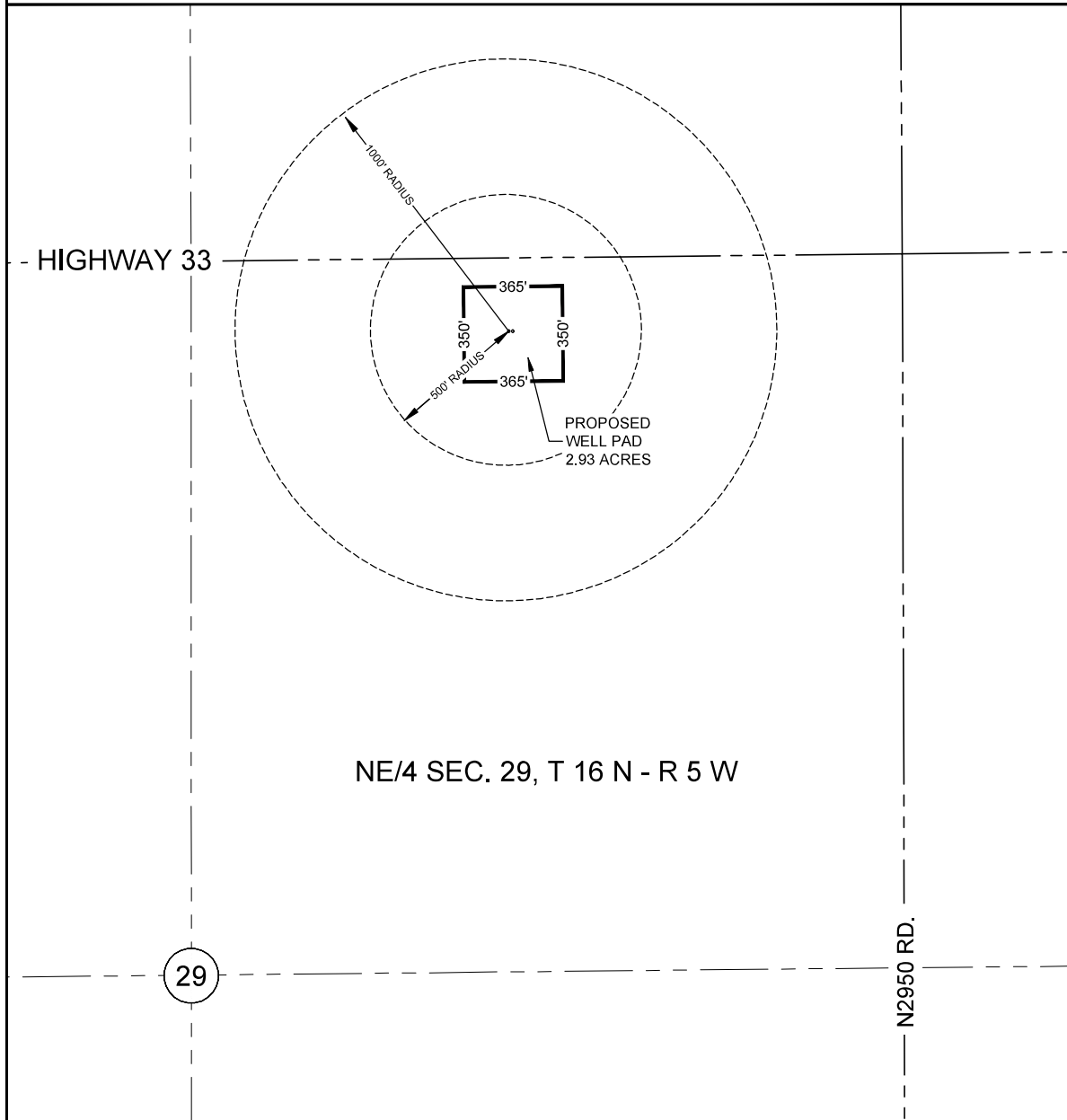
SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 3/9/22	PAN-OP: 22-0007-005	
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 5 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: E



# CHAPARRAL ENERGY

WARIO 1605  
1LOH-20 & 2LOH-20  
NE/4 SEC. 29, T 16 N - R 5 W  
KINGFISHER COUNTY, OKLAHOMA

## OVERVIEW



0' 250' 500' 1,000'  
1" = 500'



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SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2021

### LEGEND

—— WELL PAD  
- - - - SECTION LINE  
- - - - 1/4 SEC LINE  
- - - - BOUNDARY

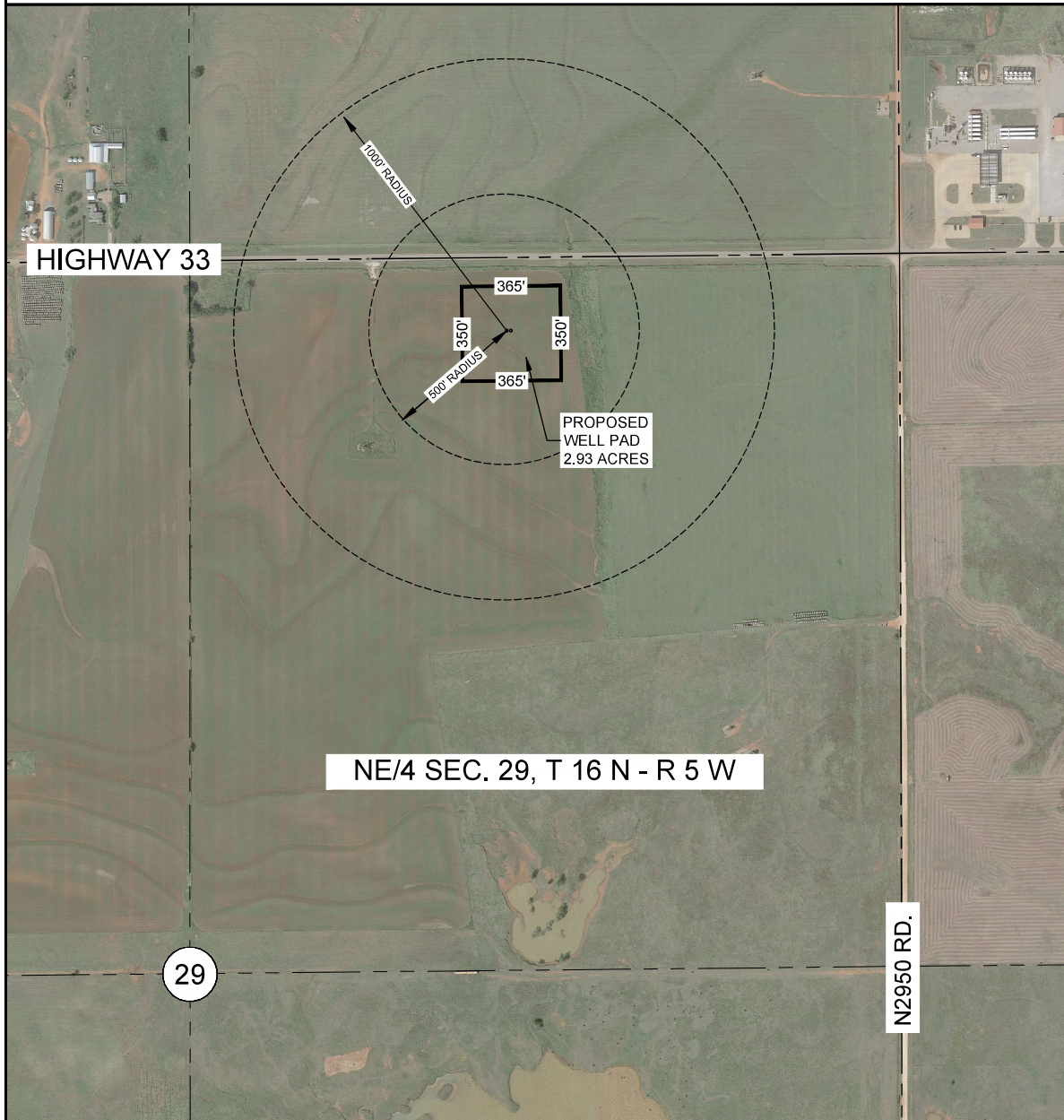
SCALE: 1" = 500'

SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 3/9/22	PAN-OP: 22-0007-006	
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 6 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: F

# CHAPARRAL ENERGY

WARIO 1605  
1LOH-20 & 2LOH-20  
NE/4 SEC. 29, T 16 N - R 5 W  
KINGFISHER COUNTY, OKLAHOMA

## OVERVIEW



0' 250' 500' 1,000'  
1" = 500'



**PAN-OP**  
SURVEY & CONSULTING

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SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2021

### LEGEND

—— WELL PAD  
----- SECTION LINE  
----- 1/4 SEC LINE  
----- BOUNDARY

SCALE: 1" = 500'

SECTION: 29	TOWNSHIP: 16 N	RANGE: 5 W I.M.
COUNTY: KINGFISHER COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 3/9/22	PAN-OP: 22-0007-007	
DATE DWN: 3/14/22	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 7 OF 8	SHEET SIZE: 8.5X14	EXHIBIT: G



