

API NUMBER: 093 25270

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

Approval Date: 03/17/2022
Expiration Date: 09/17/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 27 Township: 23N Range: 12W County: MAJOR

SPOT LOCATION: SW SE SW SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 260 1679

Lease Name: BISON 2312 Well No: 2UOH-34 Well will be 260 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

SANDRA SUE WHITTENBURG & JACK L. WHITTENBURG
PO BOX 164
CLEO SPRINGS OK 73729

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

Name	Code	Depth
1 MISSISSIPPI LIME	351MSSLM	6831

Spacing Orders: 63692

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202200512
202200514
202200916

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 11700

Ground Elevation: 1285

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 540

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: 22-38140

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: 8000 Average: 5000

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: AP/TE DEPOSIT

Pit Location Formation: Terrace

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: 34	Township: 23N	Range: 12W	Meridian: IM	Total Length: 4939
	County: MAJOR			Measured Total Depth: 11700
Spot Location of End Point: SE	SW	SW	SE	True Vertical Depth: 6886
Feet From: SOUTH		1/4 Section Line: 165		End Point Location from
Feet From: EAST		1/4 Section Line: 2210		Lease, Unit, or Property Line: 165

NOTES:

Category	Description
DEEP SURFACE CASING	[2/23/2022 - GB1] - 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	[2/23/2022 - GB1] - 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: OCCEWEB.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
MEMO	[2/23/2022 - GB1] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202200512	[3/8/2022 - GB1] - 34-23N-12W X63692 MSSP++ 3 WELLS NO OP NAMED REC 3/7/2022 (THOMAS) ++FORMATION WILL BE CHANGED TO MSSLM AT HEARING AND NEW SP ADDED
PENDING CD - 202200514	[3/8/2022 - GB1] - (I.O.) 34-23N-12W X63692 MSSP++ X165: 10-3-28(C)(2)(B) MSSP MAY BE CLOSER THAN 600' TO JESSIE E HOWARD 1, HOWARD 2 COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL/FWL*** NO OP NAMED REC 3/7/2022 (THOMAS) *** WILL BE CORRECTED TO 165' FNL/FSL PER ATTORNEY FOR OPR AT HEARING; ++FORMATION WILL BE CHANGED TO MSSLM AT HEARING AND NEW SP ADDED
PENDING CD - 202200916	[3/17/2022 - GB1] - (E.O.) (640) 34-23N-12W MOD 63692 FROM MSSP TO MSSLM REC 3/17/22 (NORRIS)
SPACING - 63692	[3/8/2022 - GB1] - (640) 34-23N-12W EXT 42717/61821 MSSP CLARIFY 42717 MSSP

CHAPARRAL ENERGY

COVER SHEET

SECTION: 27 TOWNSHIP: 23 N RANGE: 12 W I.M.

COUNTY: MAJOR COUNTY STATE: OKLAHOMA

OPERATOR: CHAPARRAL ENERGY, LLC
4700 GAILLARDIA PKWY, SUITE 200
OKLAHOMA CITY, OK 73142

WELL: BISON 2312 2UOH-34

WELL: BISON 2312 3UOH-34

WELL: N/A

WELL: N/A

GPS DATUM NAD-27 OK NORTH ZONE						
NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
BISON 2312 2UOH-34	522619'	1862462'	N36.434808°	W98.467543°	260' FSL & 1,679 FEL	27, T 23 N - R 12 W
BISON 2312 2UOH-34 LP	522200'	1861927'	N36.433651°	W98.469353°	165' FNL & 2,210 FEL	34, T 23 N - R 12 W
BISON 2312 2UOH-34 BHL	517291'	1861882'	N36.420166°	W98.469424°	165' FSL & 2,210 FEL	34, T 23 N - R 12 W
BISON 2312 3UOH-34	522619'	1862477'	N36.434808°	W98.467492°	260' FSL & 1,664 FEL	27, T 23 N - R 12 W
BISON 2312 3UOH-34 LP	522179'	1863757'	N36.433616°	W98.463132°	165' FNL & 380 FEL	34, T 23 N - R 12 W
BISON 2312 3UOH-34 BHL	517281'	1863712'	N36.420162°	W98.463204°	165' FSL & 380 FEL	34, T 23 N - R 12 W

PAN-OP

SURVEY & CONSULTING

PREPARED BY:

PAN-OP SURVEY & CONSULTING, LLC

11900 N MACARTHUR BLVD.

SUITE C2

OKLAHOMA CITY, OK 73162

CA# 8166

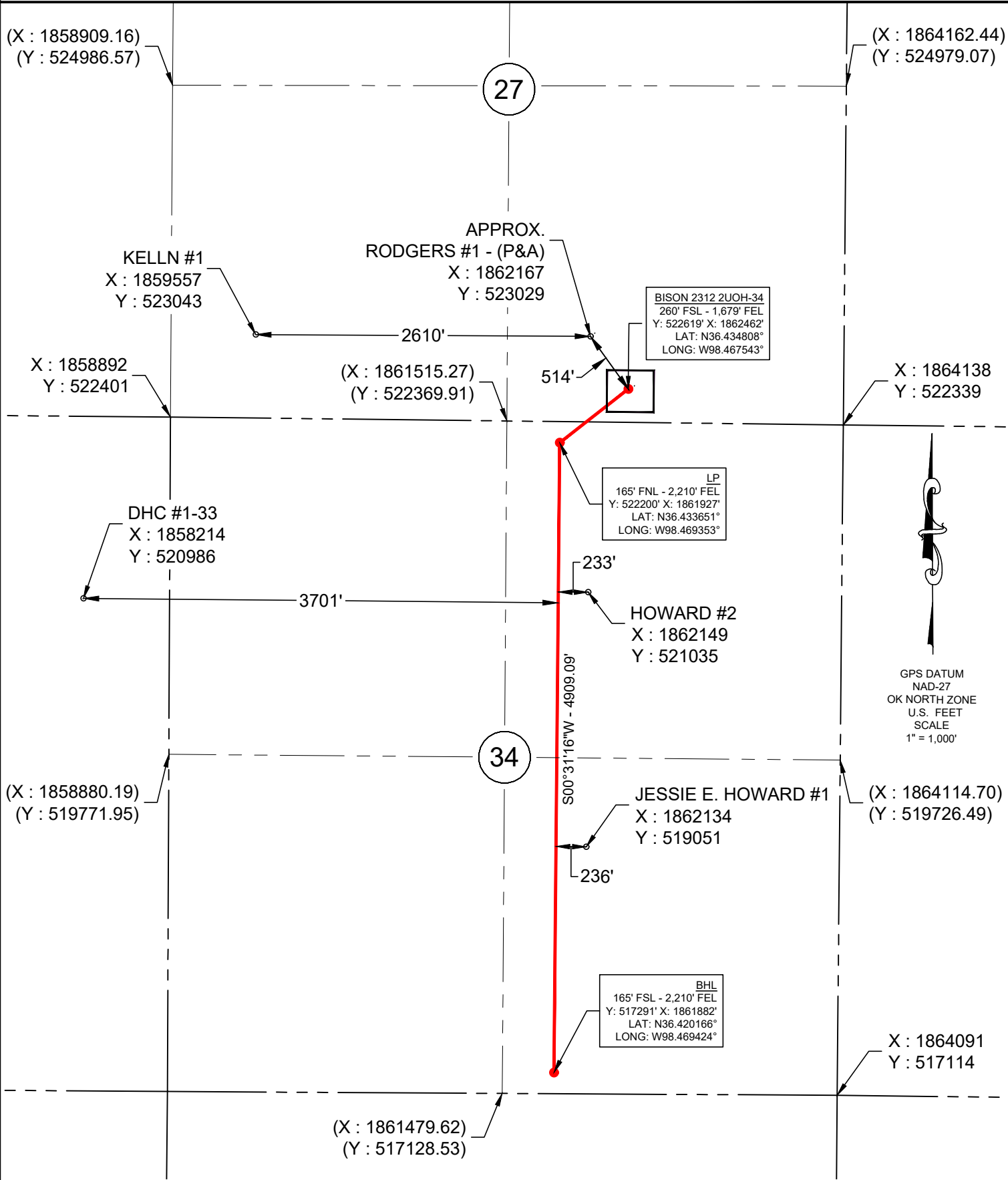
Exp: 06/30/2021

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.	REV.	DATE	BY	DESCRIPTION
COUNTY: MAJOR COUNTY		STATE: OKLAHOMA	1	3/3/22	ERW	UPDATED DRILL PATH
OPERATOR: CHAPARRAL	AFE: N/A					
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP100					
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA				
SHEET NO.: COVER	SHEET SIZE: 8.5X14	EXHIBIT: A				

CHAPARRAL
ENERGY
BISON 2312 2UOH-34

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.
COUNTY: MAJOR COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP101	
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 1 OF 7	SHEET SIZE: 8.5X14	EXHIBIT: B

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.



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

LEGEND

- DRILL PATH
- 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 SHOW HEREIN.

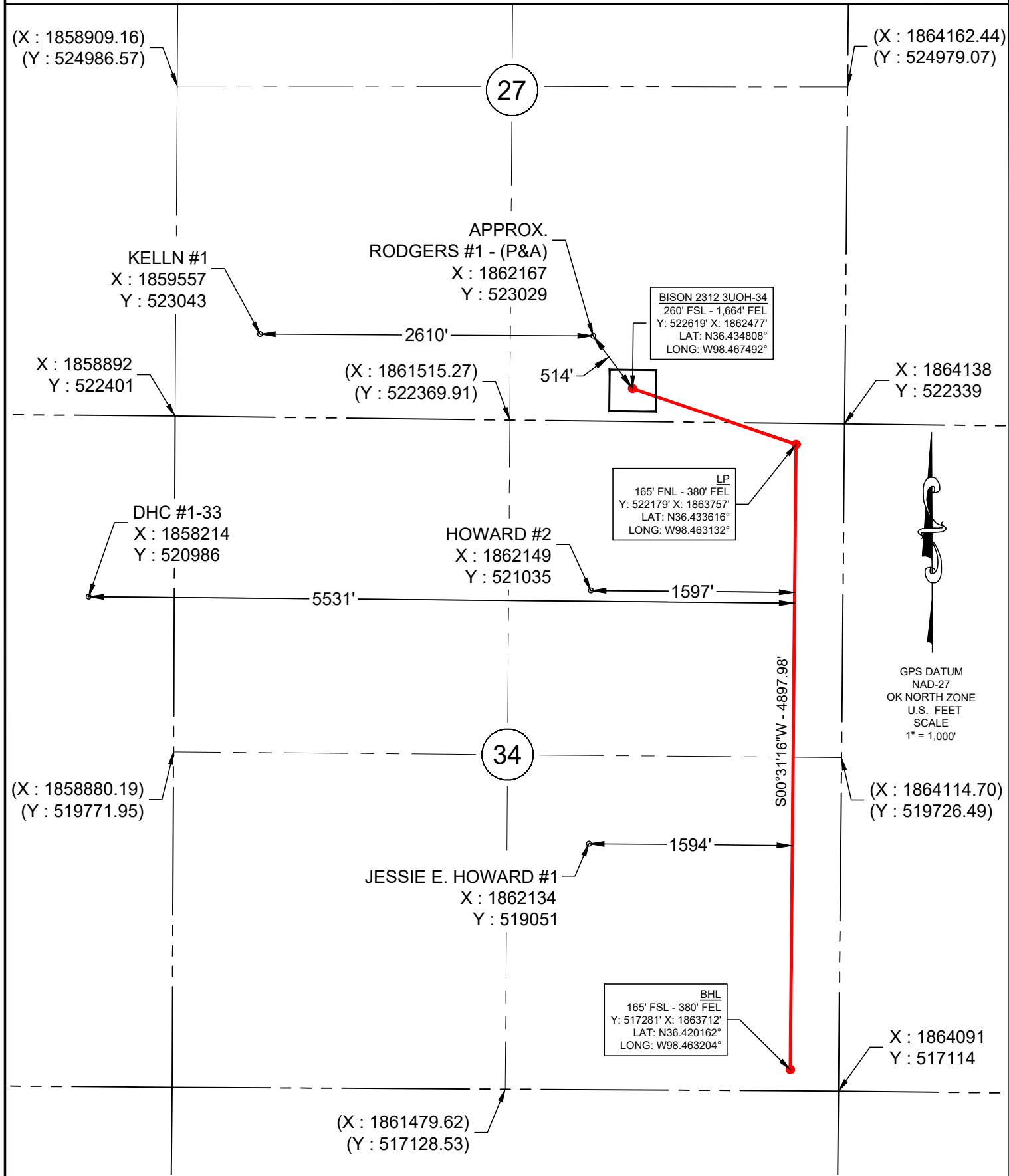
Cory D. Culpepper
Oklahoma RPLS No.1980 3/3/2022



CHAPARRAL
ENERGY
BISON 2312 3UOH-34

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.
COUNTY: MAJOR COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP102	
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 2 OF 7	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.



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

LEGEND

- DRILL PATH
- 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 SHOW HEREIN.

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



CHAPARRAL ENERGY

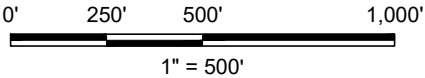
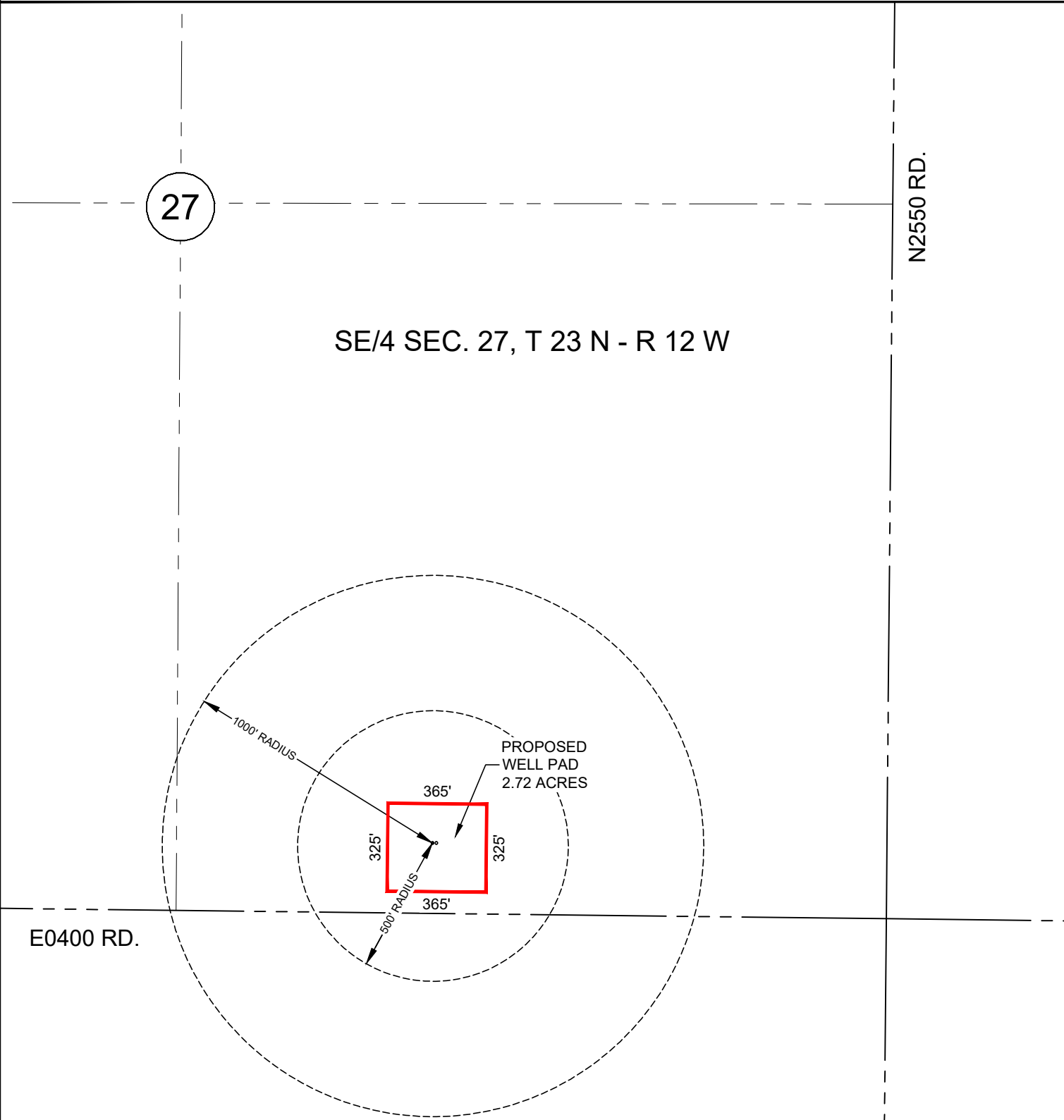
BISON 2312

2UOH-34 & 3UOH-34

SE/4 SEC. 27, T 23 N - R 12 W

MAJOR COUNTY, OKLAHOMA

OVERVIEW



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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" = 500'

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.
COUNTY: MAJOR COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP103	
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 3 OF 7	SHEET SIZE: 8.5X14	EXHIBIT: D

CHAPARRAL ENERGY

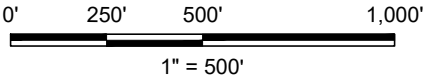
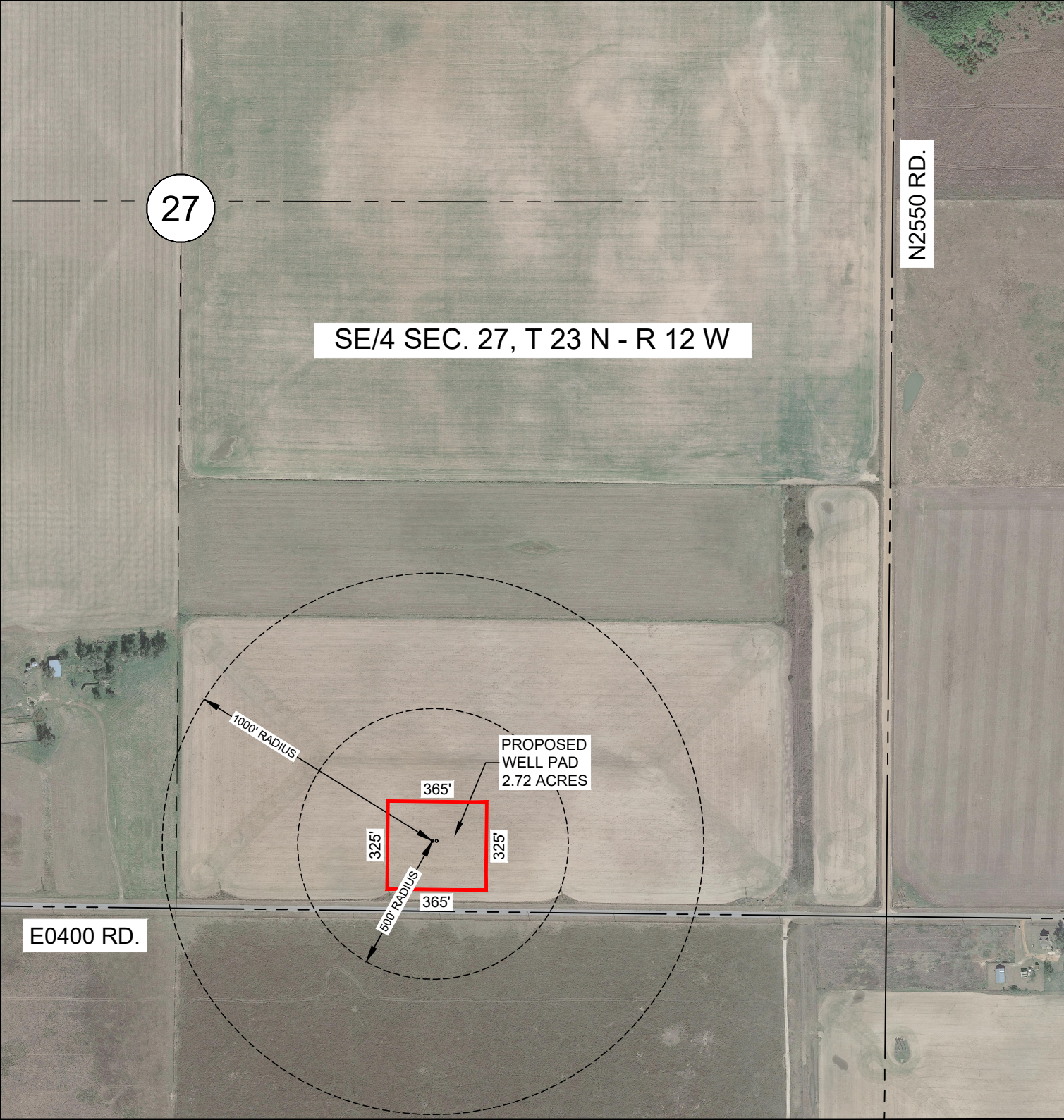
BISON 2312

2UOH-34 & 3UOH-34

SE/4 SEC. 27, T 23 N - R 12 W

MAJOR COUNTY, OKLAHOMA

OVERVIEW



PAN-OP
SURVEY & CONSULTING

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

LEGEND

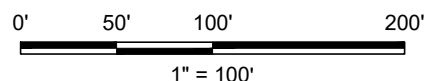
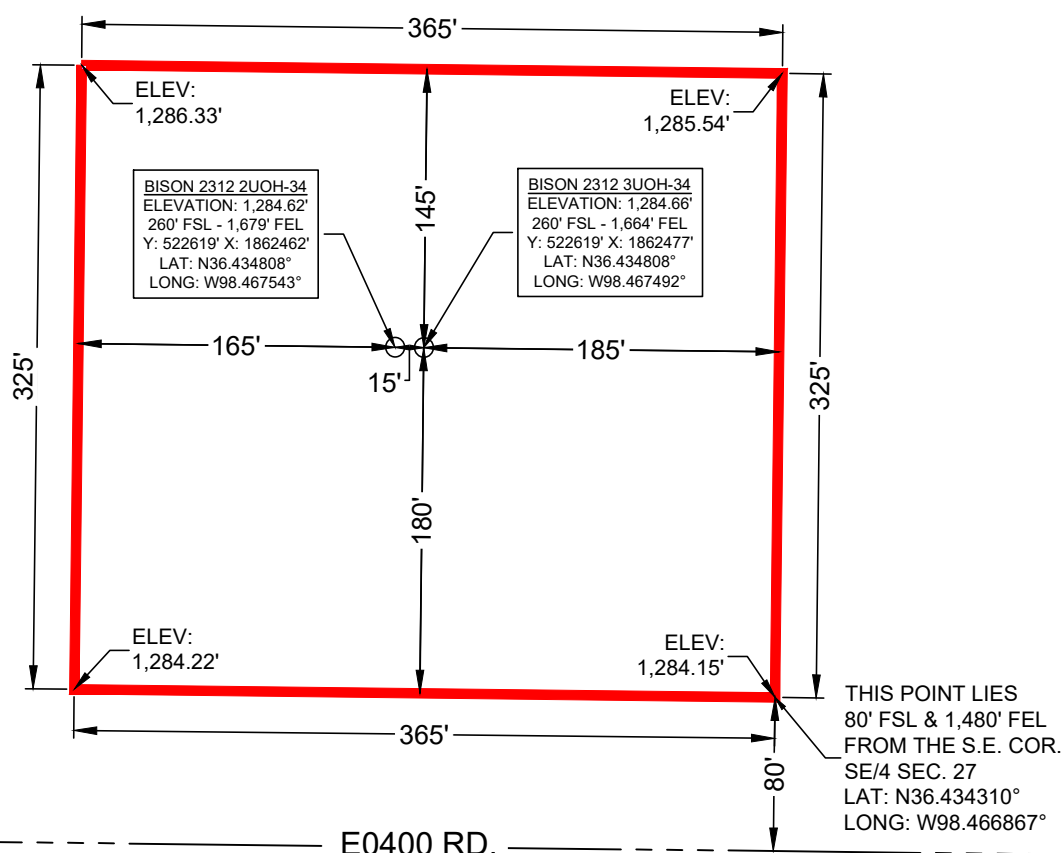
- WELL PAD
- SECTION LINE
- 1/4 SEC LINE
- BOUNDARY

SCALE: 1" = 500'

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.
COUNTY: MAJOR COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP104	
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 4 OF 7	SHEET SIZE: 8.5X14	EXHIBIT: E

BISON 2312
2UOH-34 & 3UOH-34
SE/4 SEC. 27, T 23 N - R 12 W
MAJOR COUNTY, OKLAHOMA

SE/4 SEC. 27, T 23 N - R 12 W



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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

 WELL PAD
 SECTION LINE
 1/4 SEC LINE
 BOUNDARY

SCALE: 1" = 100'

SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.
COUNTY: MAJOR COUNTY		STATE: OKLAHOMA
OPERATOR: CHAPARRAL		AFE: N/A
DATE STAKED: 11/11/21		PAN-OP: 21-0121-WP105
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 5 OF 7	SHEET SIZE: 8.5X14	EXHIBIT: F

CHAPARRAL ENERGY

BISON 2312

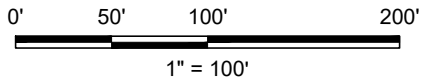
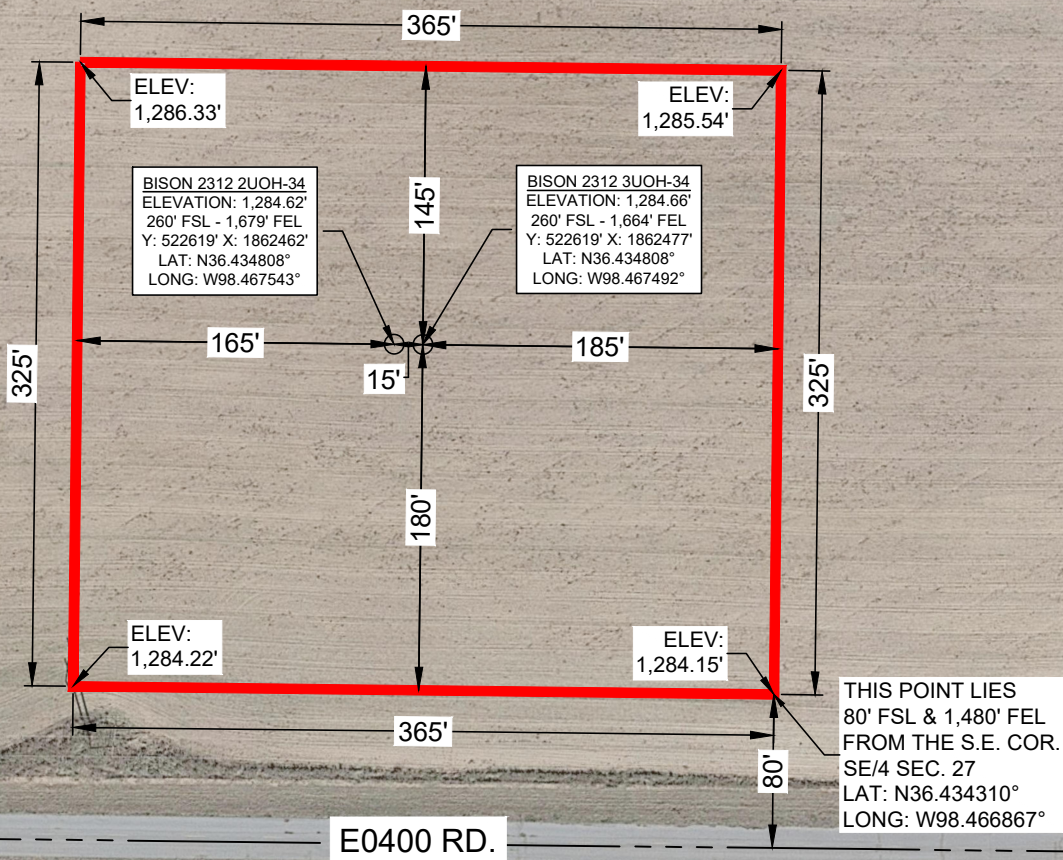
2UOH-34 & 3UOH-34

SE/4 SEC. 27, T 23 N - R 12 W

MAJOR COUNTY, OKLAHOMA

P L A T

SE/4 SEC. 27, T 23 N - R 12 W



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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: 27	TOWNSHIP: 23 N	RANGE: 12 W	I.M.
COUNTY: MAJOR COUNTY	STATE: OKLAHOMA		
OPERATOR: CHAPARRAL	AFE: N/A		
DATE STAKED: 11/11/21	PAN-OP: 21-0121-WP106		
DATE DWN: 11/30/21	DWN BY: ERW	CHK'D BY: MVA	
SHEET NO.: 6 OF 7	SHEET SIZE: 8.5X14	EXHIBIT: G	

CHAPARRAL ENERGY

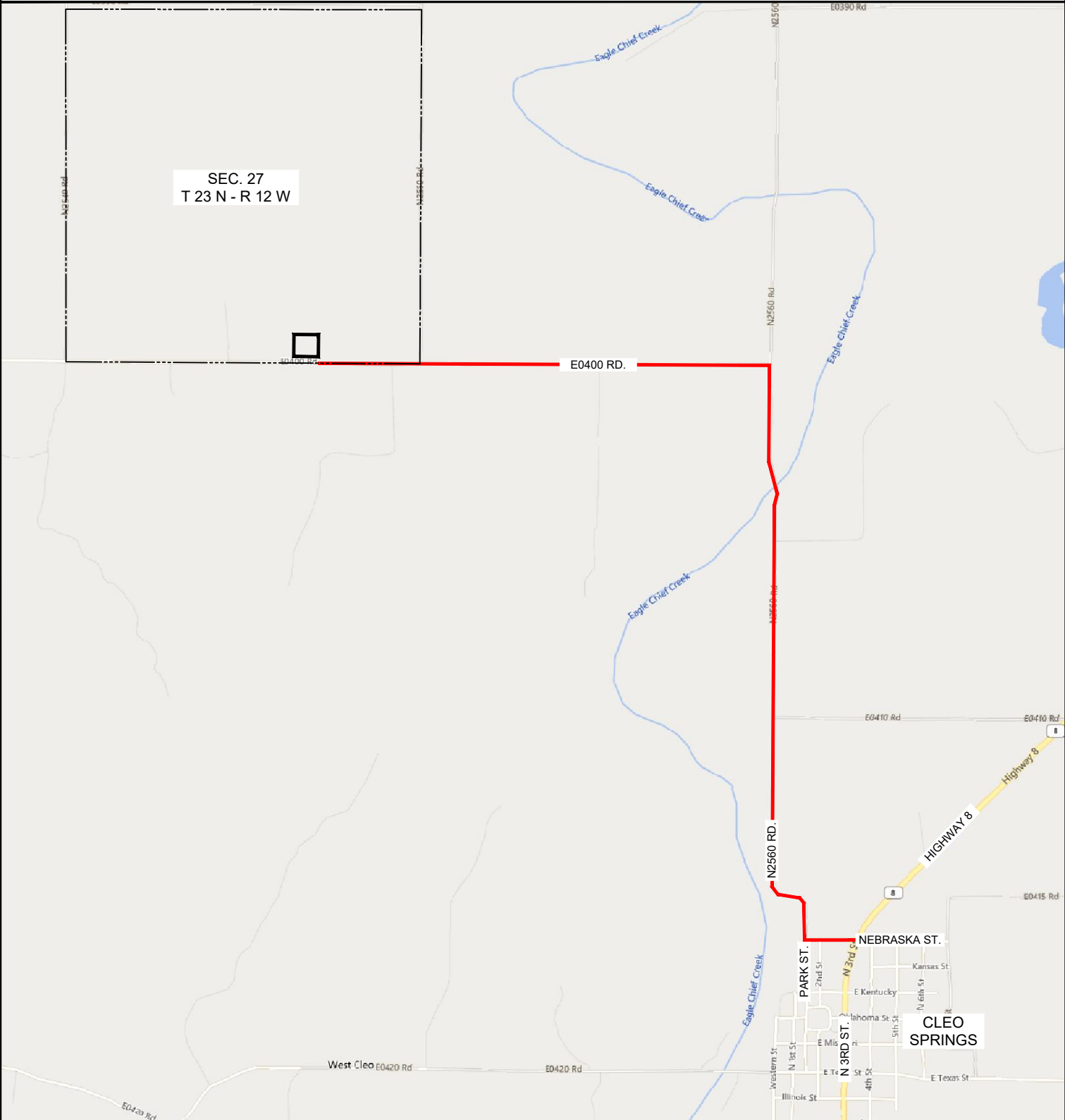
BISON 2312

2UOH-34 & 3UOH-34

SE/4 SEC. 27, T 23 N - R 12 W

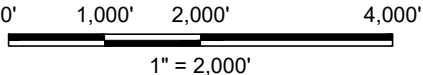
MAJOR COUNTY, OKLAHOMA

VICINITY MAP



DIRECTIONS:

FROM JUNCTION OF 3RD ST. & NEBRASKA ST. IN CLEO SPRINGS, OK., GO 0.14 MILE WEST ON NEBRASKA ST., THEN 1.70 MILES NORTH ON PARK ST. / N2560 RD., THEN 1.25 MILES WEST ON E0400 RD., THEN TURN NORTH INTO LOCATION.



PAN-OP SURVEY & CONSULTING PREPARED BY: PAN-OP SURVEY & CONSULTING, LLC 11900 N MACARTHUR BLVD. SUITE C2 OKLAHOMA CITY, OK 73162 CA# 8166 Exp: 06/30/2021	LEGEND DRIVING PATH SECTION LINE 1/4 SEC LINE BOUNDARY	SECTION: 27	TOWNSHIP: 23 N	RANGE: 12 W I.M.	
	SCALE: 1" = 2,000'	COUNTY: MAJOR COUNTY		STATE: OKLAHOMA	
		OPERATOR: CHAPARRAL		AFE: N/A	
		DATE STAKED: 11/11/21		PAN-OP: 21-0121-WP107	
		DATE DWN: 11/30/21		DWN BY: ERW	CHK'D BY: MVA
		SHEET NO.: 7 OF 7		SHEET SIZE: 8.5X14	EXHIBIT: H