API NUMBER: 093 25275

Horizontal Hole Oil & Gas

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

Approval Date: 04/01/2022
Expiration Date: 10/01/2023

# PERMIT TO DRILL

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

SPOT LOCATION: SE | SE | SW | SE

FEET FROM QUARTER: FROM **SOUTH** FROM **EAST**

SECTION LINES: **260** **1649**

**Lease Name:** **BISON 2312** **Well No:** **3UOH-34A** **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: 202200515
202200512
202200916

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 11700 Ground Elevation: 1285 **Surface Casing: 790** Depth to base of Treatable Water-Bearing FM: 540

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: | 4898 |
| County: | MAJOR | | | Measured Total Depth: | 11700 |
| Spot Location of End Point: | SW | SE | SE | SE | True Vertical Depth: 6861 |
| Feet From: | **SOUTH** | 1/4 Section Line: | 165 | End Point Location from Lease,Unit, or Property Line: | 165 |
| Feet From: | **EAST** | 1/4 Section Line: | 380 | | |

**NOTES:**

| Category | Description |
|---|---|
| HYDRAULIC FRACTURING | [4/1/2022 - GC2] - OCC 165:10-3-10 REQUIRES:<br><br>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;<br><br>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,<br><br>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 | [4/1/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT |
| PENDING CD - 202200512 | [4/1/2022 - GB1] - 34-23N-12W<br>X63692 MSSP++<br>3 WELLS<br>NO OP NAMED<br>REC 3/7/2022 (THOMAS)<br><br>++FORMATION WILL BE CHANGED TO MSSLM AT HEARING AND NEW SP ADDED |
| PENDING CD - 202200515 | [4/1/2022 - GB1] - (I.O.) 34-23N-12W<br>X63692 MSSP++<br>COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 330' FEL***<br>NO OP NAMED<br>REC 3/7/2022 (THOMAS)<br><br>*** WILL BE CORRECTED TO 165' FNL/FSL PER ATTORNEY FOR OPR AT HEARING<br>++FORMATION WILL BE CHANGED TO MSSLM AT HEARING AND NEW SP ADDED |
| PENDING CD - 202200916 | [4/1/2022 - GB1] - (E.O.)(640) 34-23N-12W<br>MOD 63692 FROM MSSP TO MSSLM<br>REC 3/17/22 (NORRIS) |
| SPACING - 63692 | [4/1/2022 - GB1] - (640) 34-23N-12W<br>EXT 42717/61821 MSSP<br>CLARIFY 42717 MSSP |
| SURFACE CASING | [4/1/2022 - GC2] - NO DEEP SURFACE CASING - LOST CIRCULATION IN 27-23N-12W |

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.

# 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-34A

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-34A | 522619' | 1862477' | N36.434808° | W98.467492° | 260' FSL & 1,664 FEL | 27, T 23 N - R 12 W |
| BISON 2312 2UOH-34A LP | 522200' | 1861927' | N36.433651° | W98.469353° | 165' FNL & 2,210 FEL | 34, T 23 N - R 12 W |
| BISON 2312 2UOH-34A BHL | 517291' | 1861882' | N36.420166° | W98.469424° | 165' FSL & 2,210 FEL | 34, T 23 N - R 12 W |
| BISON 2312 3UOH-34 | 522619' | 1862492' | N36.434808° | W98.467441° | 260' FSL & 1,649 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

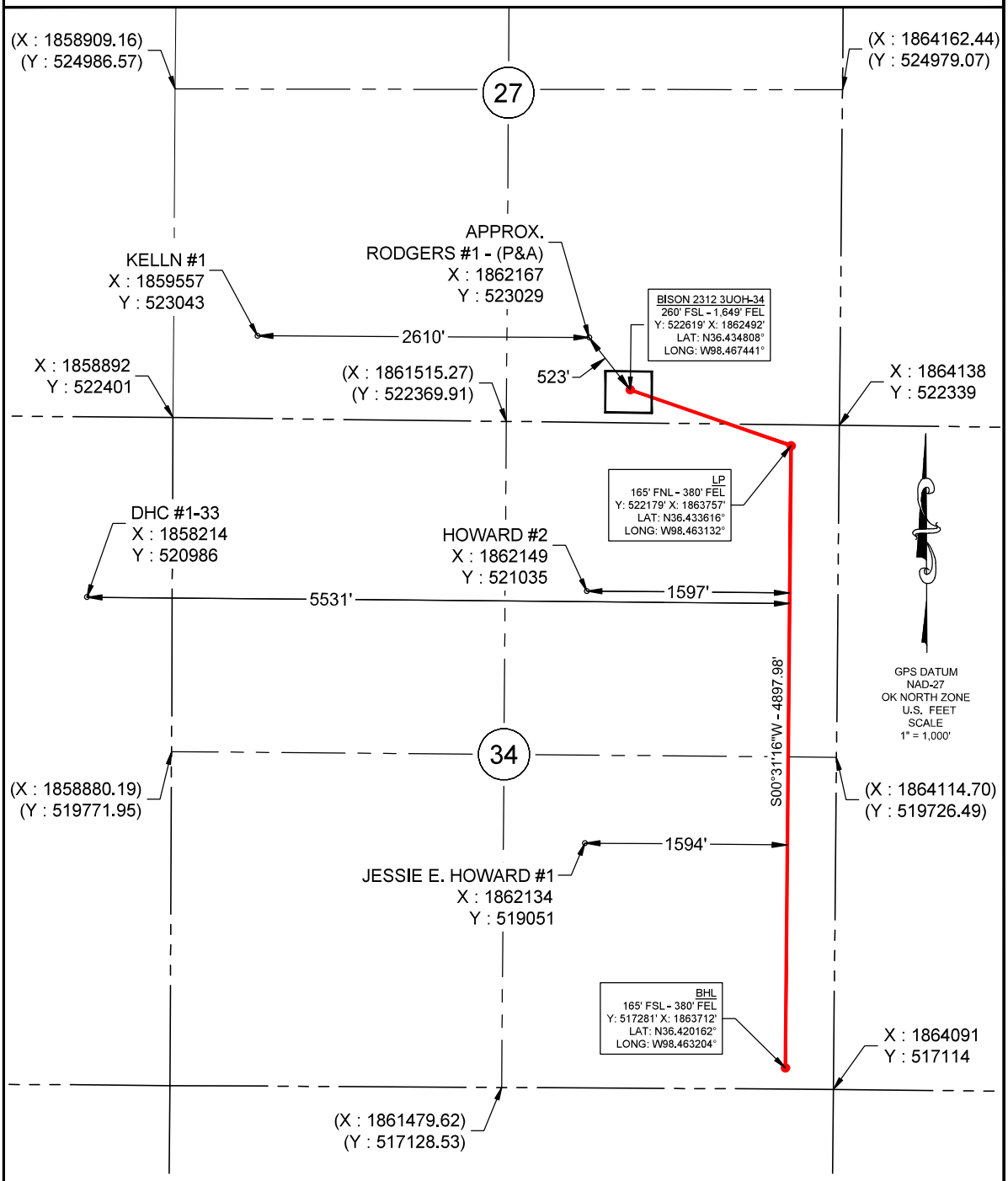
| | | | | | | |
|---|---|---|---|---|---|---|
| SECTION: 27 | TOWNSHIP: 23 N | RANGE: 12 W I.M. | REV. | DATE | BY | DESCRIPTION |
| COUNTY: MAJOR COUNTY | | STATE: OKLAHOMA | 1 | 3/3/22 | ERW | UPDATED DRILL PATH |
| OPERATOR: CHAPARRAL | AFE: N/A | | 2 | 4/1/22 | ERW | UPDATED SH LOC. & NAME |
| DATE STAKED: 11/11/21 | PAN-OP: 21-0121-001 | | | | | |
| DATE DWN: 11/30/21 | DWN BY: ERW | CHK'D BY: MVA | | | | |
| SHEET NO.: 1 OF 8 | SHEET SIZE: 8.5X14 | EXHIBIT: A | | | | |

# 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: 21-0121-003 | |
| DATE DWN: 11/30/21 | 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

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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.

Oklahoma RPLS No.1980 — 4/1/2022

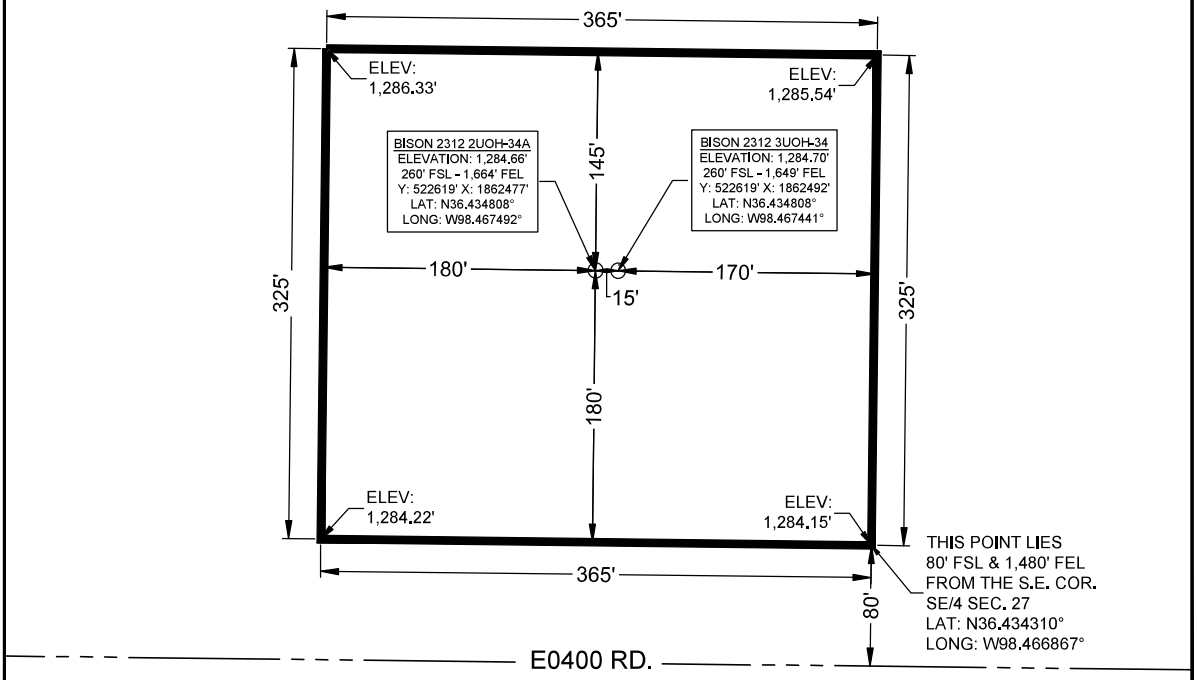
REGISTERED PROFESSIONAL LAND SURVEYOR
CORY D. CULPEPPER
1980
OKLAHOMA
4/1/22

# CHAPARRAL ENERGY

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

## PLAT

SE/4 SEC. 27, T 23 N - R 12 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: 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: 21-0121-004 | |
| DATE DWN: 11/30/21 | DWN BY: ERW | CHK'D BY: MVA |
| SHEET NO.: 4 OF 8 | SHEET SIZE: 8.5X14 | EXHIBIT: D |