

API NUMBER: 017 25707

OKLAHOMA CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
P.O. BOX 52000  
OKLAHOMA CITY, OK 73152-2000  
(Rule 165:10-3-1)Approval Date: 09/24/2021  
Expiration Date: 03/24/2023

Horizontal Hole Oil &amp; Gas

**PERMIT TO DRILL**

WELL LOCATION: Section: 03 Township: 12N Range: 7W County: CANADIAN

SPOT LOCATION: ☐ NE ☐ NE ☐ NW ☐ NW  
FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 217 1169

Lease Name: MARBLE 1307 Well No: 2LMH-34 Well will be 217 feet from nearest unit or lease boundary.

Operator Name: CHAPARRAL ENERGY LLC Telephone: 4054264445; 4054264481; OTC/OCC Number: 16896 0

CHAPARRAL ENERGY LLC  
4700 GAILLARDIA PARKWAY STE 200  
OKLAHOMA CITY, OK 73142-1839HENRY & ANGELA HEINRICH, H/W  
7500 FOREMAN  
EL RENO OK 73036

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

Name	Code	Depth
1 MISSISSIPPIAN	359MSSP	9516

Spacing Orders: 141058

Location Exception Orders: 719308

Increased Density Orders: 719402

Pending CD Numbers: No Pending

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

Special Orders: No Special

Total Depth: 14400

Ground Elevation: 1310

Surface Casing: 510

Depth to base of Treatable Water-Bearing FM: 260

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: 21-37786

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? Y

Wellhead Protection Area? Y

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? Y

Wellhead Protection Area? Y

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

**HORIZONTAL HOLE 1**

Section: 34 Township: 13N Range: 7W Meridian: IM

Total Length: 5000

County: CANADIAN

Measured Total Depth: 14400

Spot Location of End Point: NW NE NE NW

True Vertical Depth: 9580

Feet From: NORTH 1/4 Section Line: 150

End Point Location from

Feet From: WEST 1/4 Section Line: 2010

Lease, Unit, or Property Line: 150

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.

NOTES:	
Category	Description
DEEP SURFACE CASING	[9/21/2021 - GC2] - NOT ALLOWED DUE TO PUBLIC WATER SUPPLY WELLS
HYDRAULIC FRACTURING	<p>[9/21/2021 - 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 - 719402	<p>[9/23/2021 - G56] - 34-13N-7W  X141058/145557 MSSP  3 WELLS  CHAPARRAL ENERGY, LLC  7/12/2021</p>
LOCATION EXCEPTION - 719308	<p>[9/23/2021 - G56] - (I.O.) 34-13N-7W  X141058/145557 MSSP  X165:10-3-28(C)(2)(B) MSSP (MARBLE 1307 2LMH-34)  MAY BE CLOSER THAN 600' TO JESEN 34-1 &amp; JENSEN 34-4  COMPL INT NCT 150' FNL, NCT 150' FSL, NCT 1320' FEL OR FWL  CHAPARRAL ENERGY, LLC  7/7/2021</p>
MEMO	[9/21/2021 - GC2] - CLOSED SYSTEM=STEEL PITS (REQUIRED - NORTH CANADIAN RIVER), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PUBLIC WATER SUPPLY	[9/21/2021 - GC2] - EL RENO - 4 WELLS, N2 3-12N-7W
SPACING - 141058	<p>[9/23/2021 - G56] - (640) 34-13N-7W  EXT OTHERS  EXT 124533 MSSP</p>

# CHAPARRAL ENERGY

## COVER SHEET

SECTION: 3 TOWNSHIP: 12N RANGE: 7W I.M. WELL: MARBLE 1307 1SMH-34  
COUNTY: CANADIAN COUNTY STATE: OKLAHOMA WELL: MARBLE 1307 2LMH-34  
OPERATOR: CHAPARRAL ENERGY, LLC WELL: MARBLE 1307 3SMH-34  
4700 GAILLARDIA PKWY, SUITE 200  
OKLAHOMA CITY, OK 73142 WELL: N/A

GPS DATUM NAD-27 OK NORTH ZONE							
POINT	NAME	NORTHING	EASTING	LATITUDE	LONGITUDE	WELL CALLS	S-T-R
SHL	MARBLE 1307 1SMH-34	200435'	2020020'	N35.550612°	W97.932702°	1,154' FWL & 217' FNL	3 - 12N - 7W
LP	MARBLE 1307 1SMH-34	200802'	2018180'	N35.551623°	W97.938888°	660' FWL & 150' FSL	34 - 13N - 7W
BHL	MARBLE 1307 1SMH-34	205801'	2018199'	N35.565357°	W97.938815°	660' FWL & 150' FNL	34 - 13N - 7W
SHL	MARBLE 1307 2LMH-34	200435'	2020035'	N35.550612°	W97.932651°	1,169' FWL & 217' FNL	3 - 12N - 7W
LP	MARBLE 1307 2LMH-34	200801'	2019530'	N35.551618°	W97.934350°	2,010' FWL & 150' FSL	34 - 13N - 7W
BHL	MARBLE 1307 2LMH-34	205801'	2019549'	N35.565355°	W97.934276°	2,010' FWL & 150' FNL	34 - 13N - 7W
SHL	MARBLE 1307 3SMH-34	200435'	2020050'	N35.550612°	W97.932601°	1,184' FWL & 217' FNL	3 - 12N - 7W
LP	MARBLE 1307 3SMH-34	200803'	2020903'	N35.551620°	W97.929733°	1,920' FEL & 150' FSL	34 - 13N - 7W
BHL	MARBLE 1307 3SMH-34	205801'	2020947'	N35.565353°	W97.929575°	1,920' FEL & 150' FNL	34 - 13N - 7W



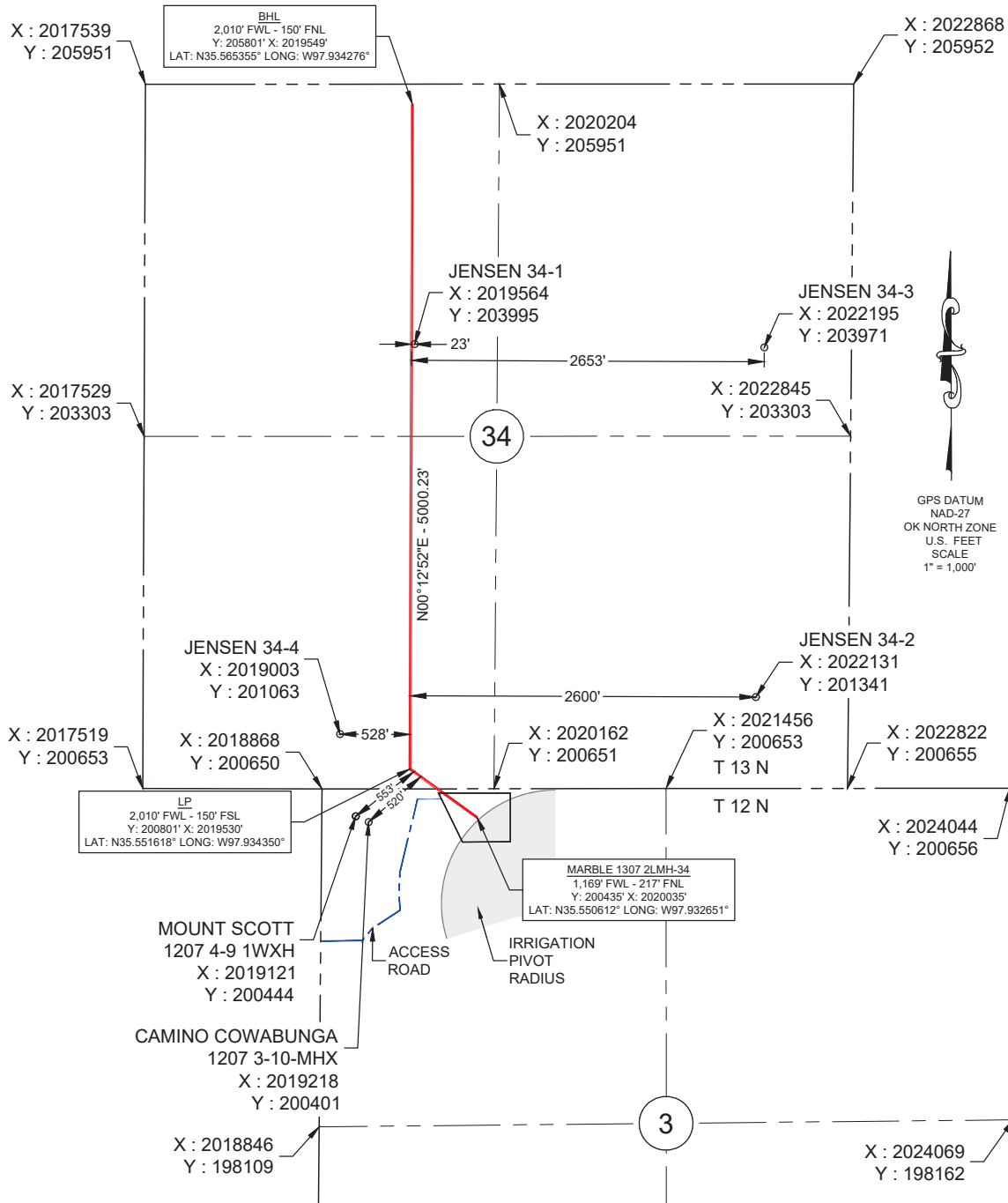
PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CAF 5165  
Exp: 06/30/2023

SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.	REV.	DATE	BY	DESCRIPTION
COUNTY: CANADIAN COUNTY		STATE: OKLAHOMA	1	9/20/21	ERW	UPDATE WELL NAME
OPERATOR: CHAPARRAL		AFE: N/A				
DATE STAKED: 7/30/21		PAN-OP: 21-0076-001				
DATE DWN: 8/11/21		DWN BY: ERW	CHK'D BY: MVA			
SHEET NO.: 1 OF 9		SHEET SIZE: 8.5X14	EXHIBIT: A			

CHAPARRAL  
ENERGY  
MARBLE 1307 2LMH-34

SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 7/30/21	PAN-OP: 21-0076-003	
DATE DWN: 8/11/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 3 OF 9	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  
CA# 91166  
Exp: 06/30/2023

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 SHOWN HEREIN.

*Cory D. Culpepper*  
Oklahoma RPLS  
No. 1980  
9/20/2021

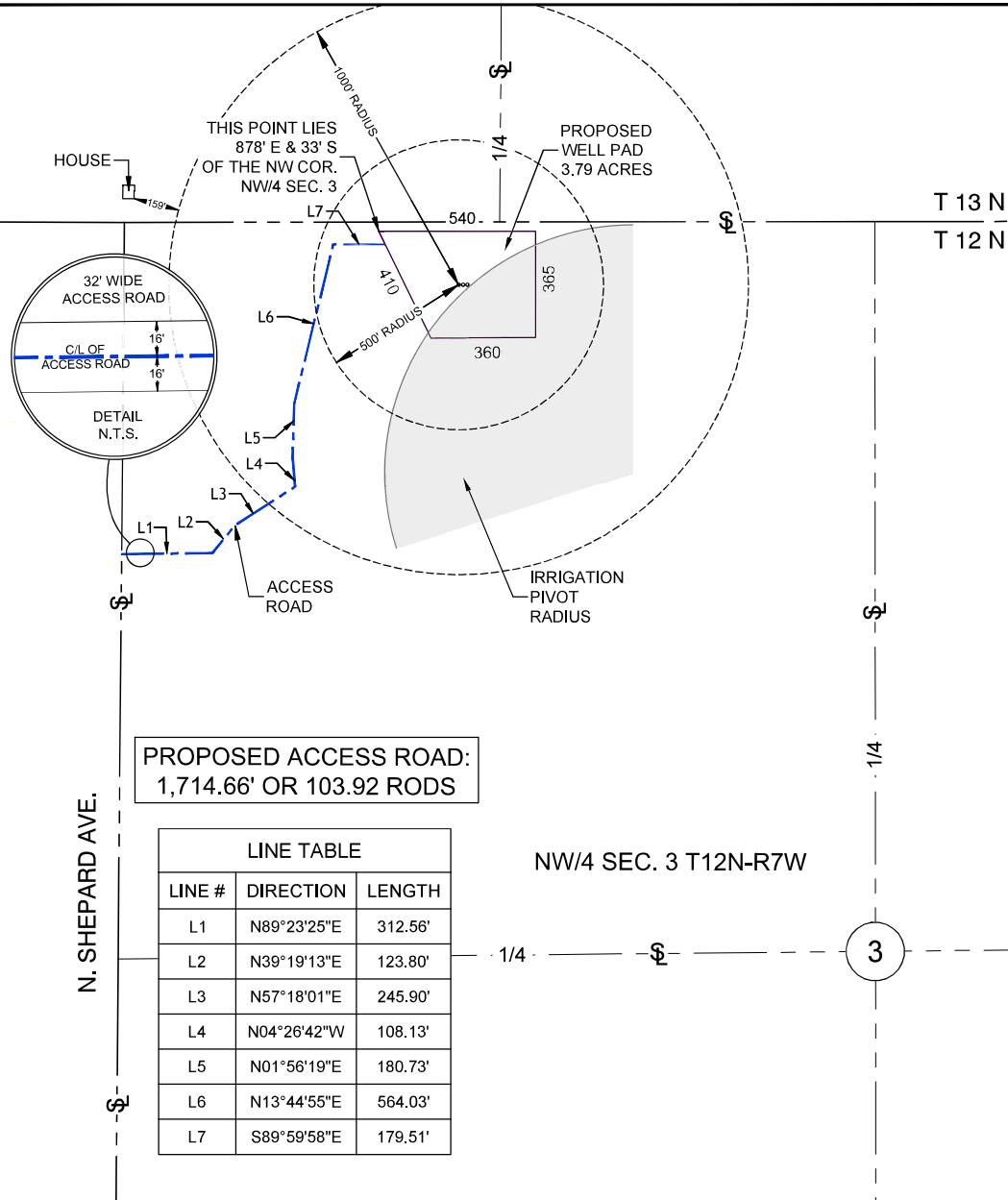


# CHAPARRAL ENERGY

MARBLE 1307  
1SMH-34, 2LMH-34 & 3SMH-34  
NW/4 SEC. 3 T12N-R7W  
CANADIAN COUNTY, OKLAHOMA

## OVERVIEW

MARBLE 911 ADDRESS:  
1524 N. SHEPARD AVE.  
EL RENO, OK 73036



0' 250' 500' 1,000'

1" = 500'

**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2023

### LEGEND

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

SCALE: 1" = 500'

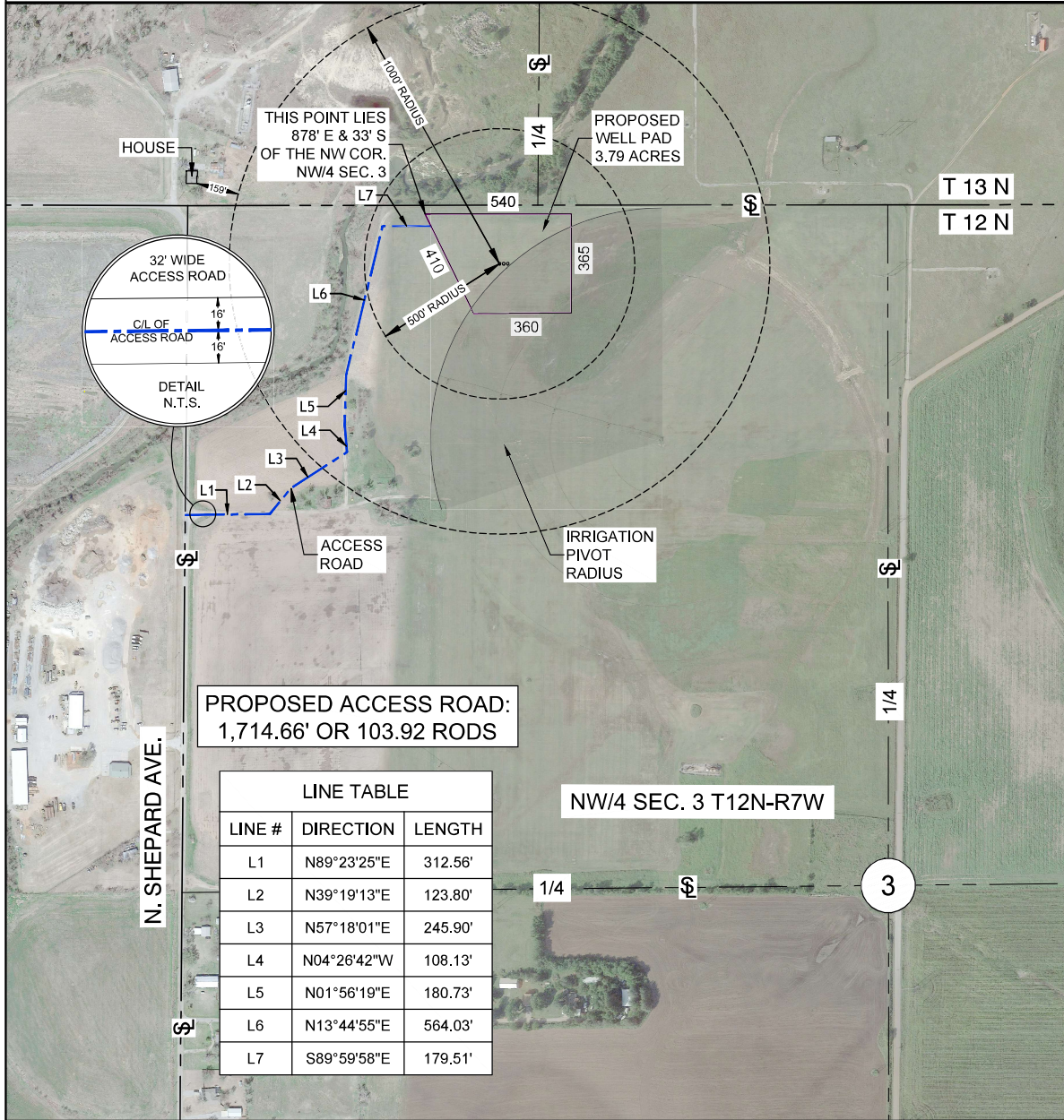
SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 7/30/21	PAN-OP: 21-0076-005	
DATE DWN: 8/11/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 5 OF 9	SHEET SIZE: 8.5X14	EXHIBIT: E

# CHAPARRAL ENERGY

MARBLE 1307  
1SMH-34, 2LMH-34 & 3SMH-34  
NW/4 SEC. 3 T12N-R7W  
CANADIAN COUNTY, OKLAHOMA

## OVERVIEW

MARBLE 911 ADDRESS:  
1524 N. SHEPARD AVE.  
EL RENO, OK 73036



0' 250' 500' 1,000'

1" = 500'

**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2023

### LEGEND

WELL PAD  
SECTION LINE  
1/4 SEC LINE  
BOUNDARY

SCALE: 1" = 500'

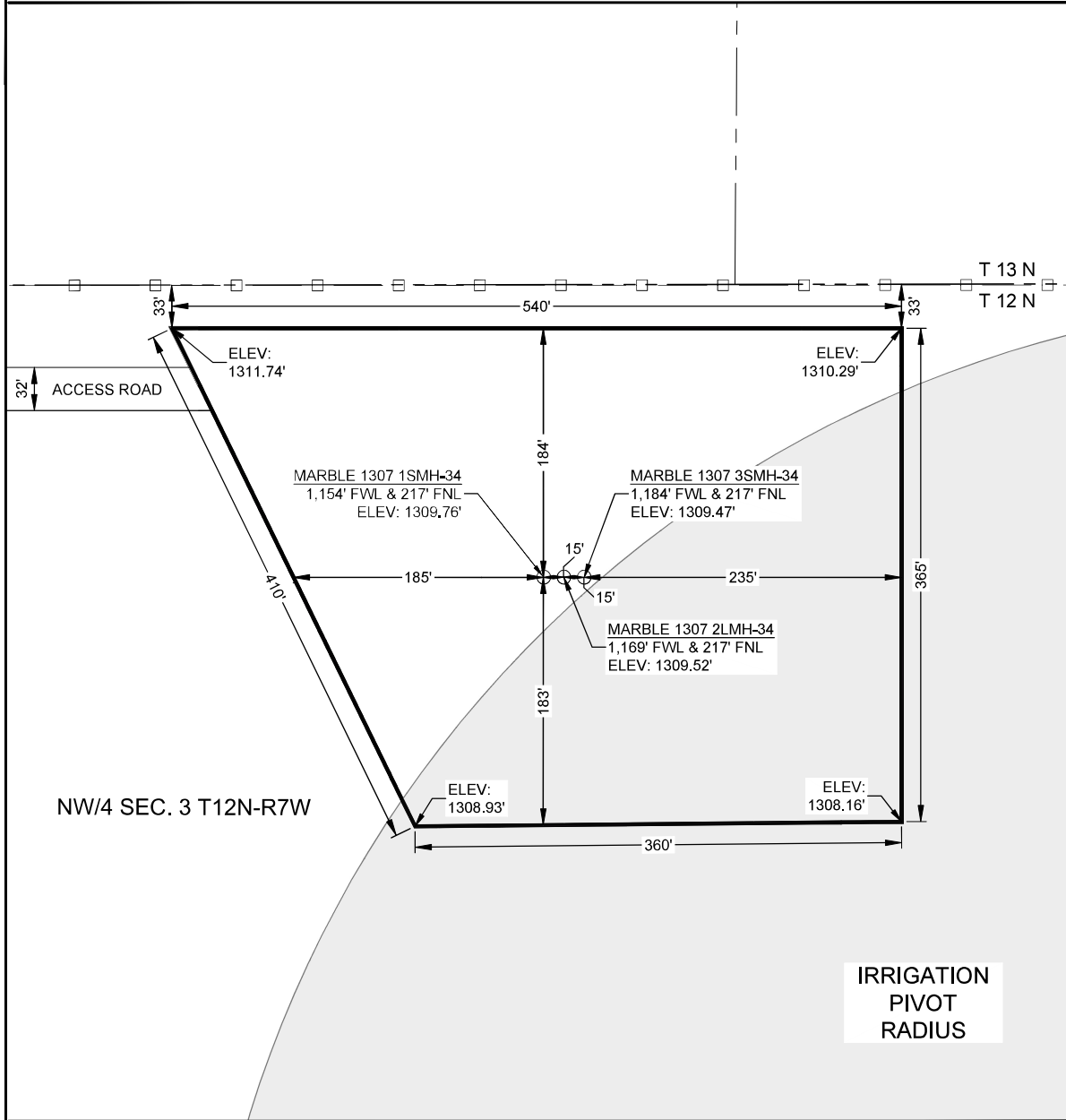
SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 7/30/21	PAN-OP: 21-0076-006	
DATE DWN: 8/11/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 6 OF 9	SHEET SIZE: 8.5X14	EXHIBIT: F



# CHAPARRAL ENERGY

MARBLE 1307  
1SMH-34, 2LMH-34 & 3SMH-34  
NW/4 SEC. 3 T12N-R7W  
CANADIAN COUNTY, OKLAHOMA

## PLAT



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

**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2023

### LEGEND

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

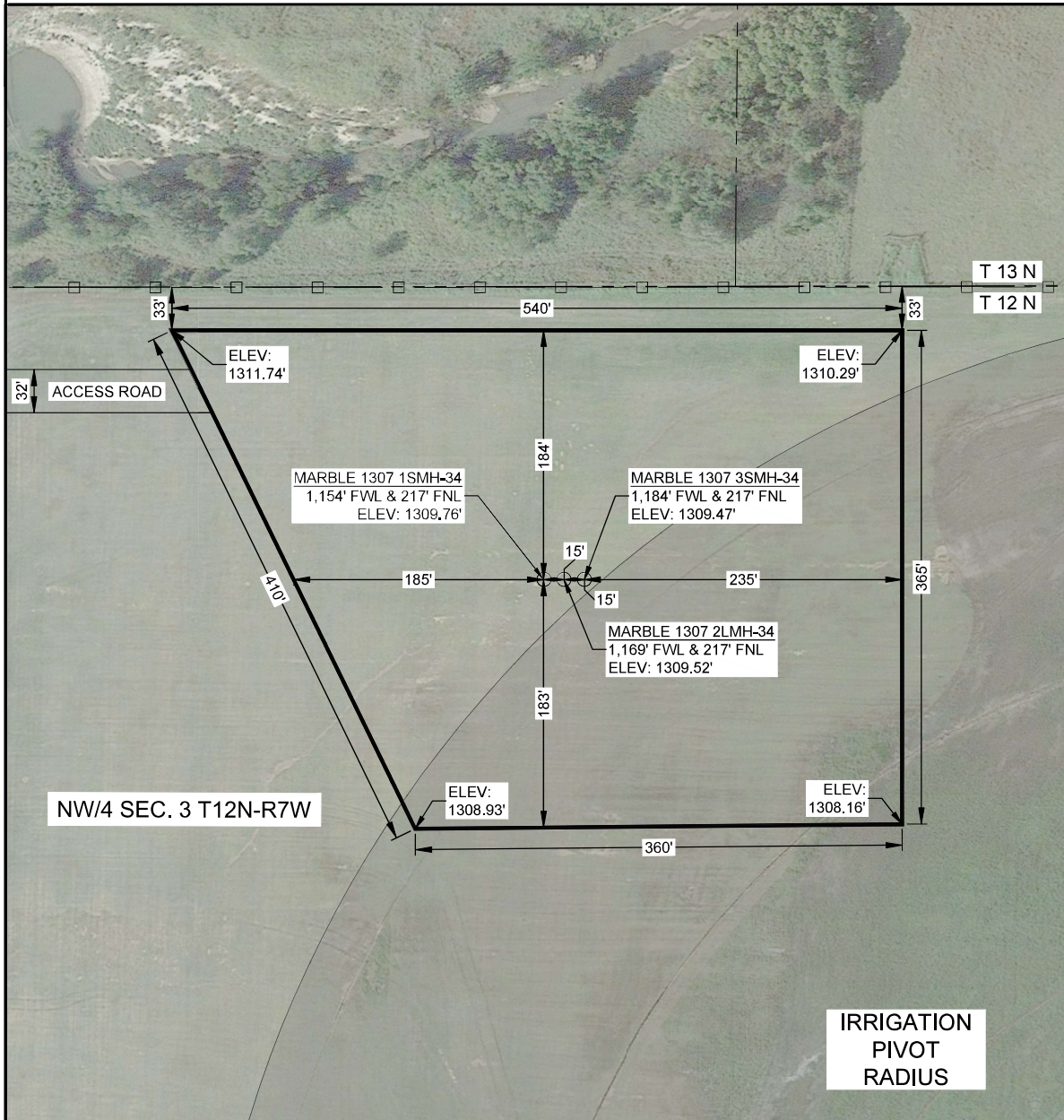
SCALE: 1" = 100'

SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 7/30/21	PAN-OP: 21-0076-007	
DATE DWN: 8/11/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 7 OF 9	SHEET SIZE: 8.5X14	EXHIBIT: G

# CHAPARRAL ENERGY

MARBLE 1307  
1SMH-34, 2LMH-34 & 3SMH-34  
NW/4 SEC. 3 T12N-R7W  
CANADIAN COUNTY, OKLAHOMA

## PLAT



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



**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2023

### LEGEND

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

SCALE: 1" = 100'

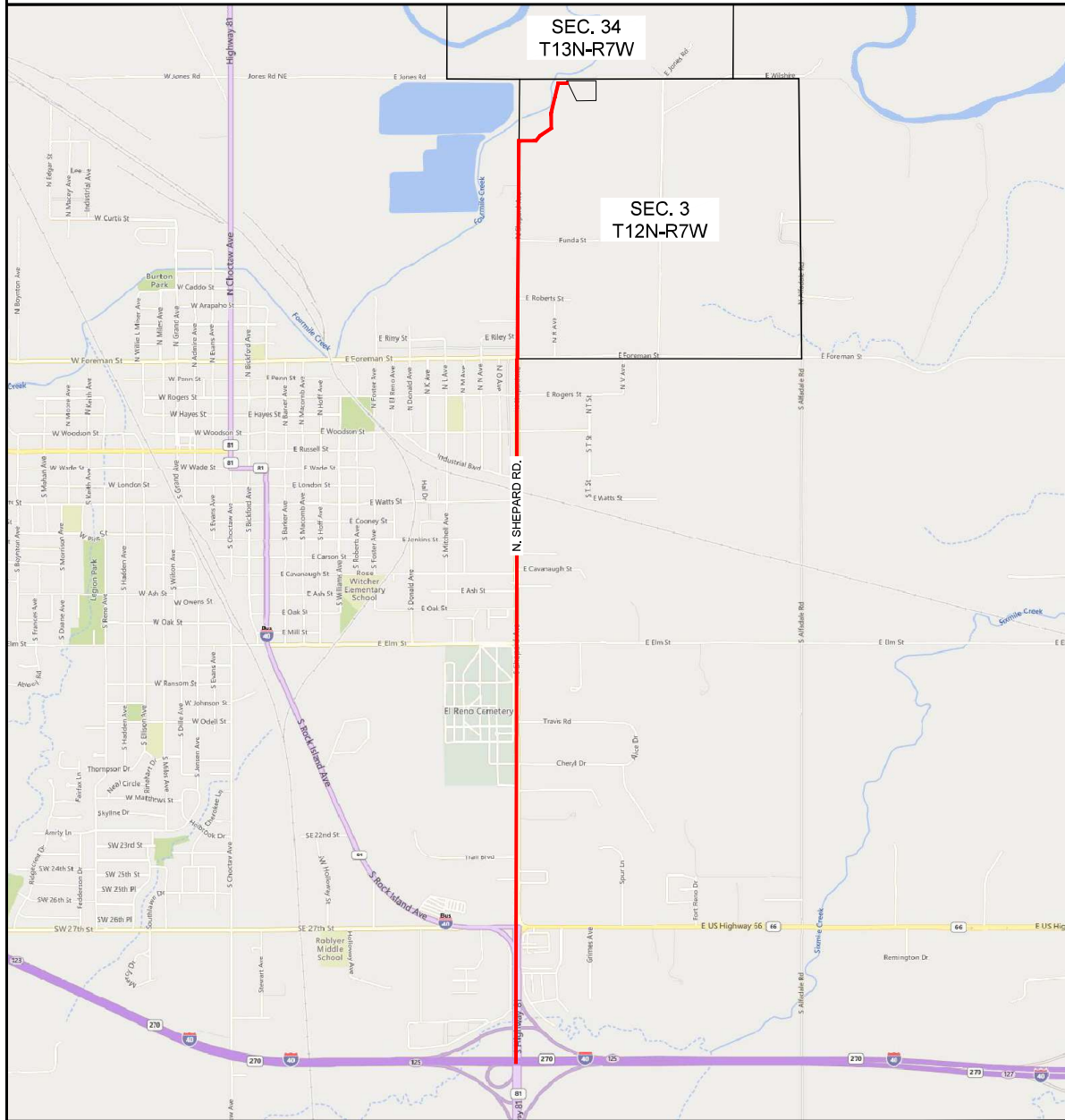
SECTION: 3	TOWNSHIP: 12N	RANGE: 7W I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	
OPERATOR: CHAPARRAL	AFE: N/A	
DATE STAKED: 7/30/21	PAN-OP: 21-0076-008	
DATE DWN: 8/11/21	DWN BY: ERW	CHK'D BY: MVA
SHEET NO.: 8 OF 9	SHEET SIZE: 8.5X14	EXHIBIT: H



# CHAPARRAL ENERGY

MARBLE 1307  
1SMH-34, 2LMH-34 & 3SMH-34  
NW/4 SEC. 3 T12N-R7W  
CANADIAN COUNTY, OKLAHOMA

## VICINITY MAP



### DIRECTIONS:

FROM JUNCTION OF HWY 81 & I-40 IN EL RENO, OK., GO 2.77 MILES NORTH  
ON N. SHEPARD AVE., THEN 1,715 FT. EAST ON AN ACCESS ROAD TO  
LOCATION.

0' 2,500' 5,000' 10,000'  
1" = 5,000'



**PAN-OP**  
SURVEY & CONSULTING

PREPARED BY:  
PAN-OP SURVEY & CONSULTING, LLC  
11900 N MACARTHUR BLVD.  
SUITE C2  
OKLAHOMA CITY, OK 73162  
CA# 8166  
Exp: 06/30/2023

### LEGEND

— DRIVING PATH  
--- SECTION LINE  
--- 1/4 SEC LINE  
--- BOUNDARY

SCALE: 1" = 5,000'

SECTION: 3	TOWNSHIP: 12N	RANGE: 7W	I.M.
COUNTY: CANADIAN COUNTY	STATE: OKLAHOMA	OPERATOR: CHAPARRAL	AFE: N/A
DATE STAKED: 7/30/21	PAN-OP: 21-0076-009	DATE DWN: 8/11/21	DWN BY: ERW
SHEET NO.: 9 OF 9	SHEET SIZE: 8.5X14	CHK'D BY: MVA	EXHIBIT: I