

API NUMBER: 087 22360

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

Approval Date: 05/20/2022
Expiration Date: 11/20/2023

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 09 Township: 5N Range: 1W County: MCCLAIN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 175 2256

Lease Name: KALAHARI Well No: 1-4-33XH Well will be 175 feet from nearest unit or lease boundary.
Operator Name: CHARTER OAK PRODUCTION CO LLC Telephone: 4052860361 OTC/OCC Number: 21672 0

CHARTER OAK PRODUCTION CO LLC
13929 QUAIL POINTE DR
OKLAHOMA CITY, OK 73134-1037

4-K REAL ESTATE HOLDING COMPANY, LLC
14860 RAILWAY AVE.
WAYNE OK 73095

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

	Name	Code	Depth
1	PENN BASAL UNCONF SAND	401BPUNC	6600
2	WOODFORD	319WDFD	6635
3	HUNTON	269HNTN	6810

Spacing Orders: 636829
626647
660060

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202201606
202201607

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 18000 Ground Elevation: 1095

Surface Casing: 450

Depth to base of Treatable Water-Bearing FM: 210

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: 22-38183
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: 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.

MULTI UNIT HOLE 1

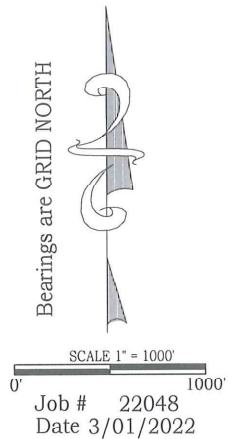
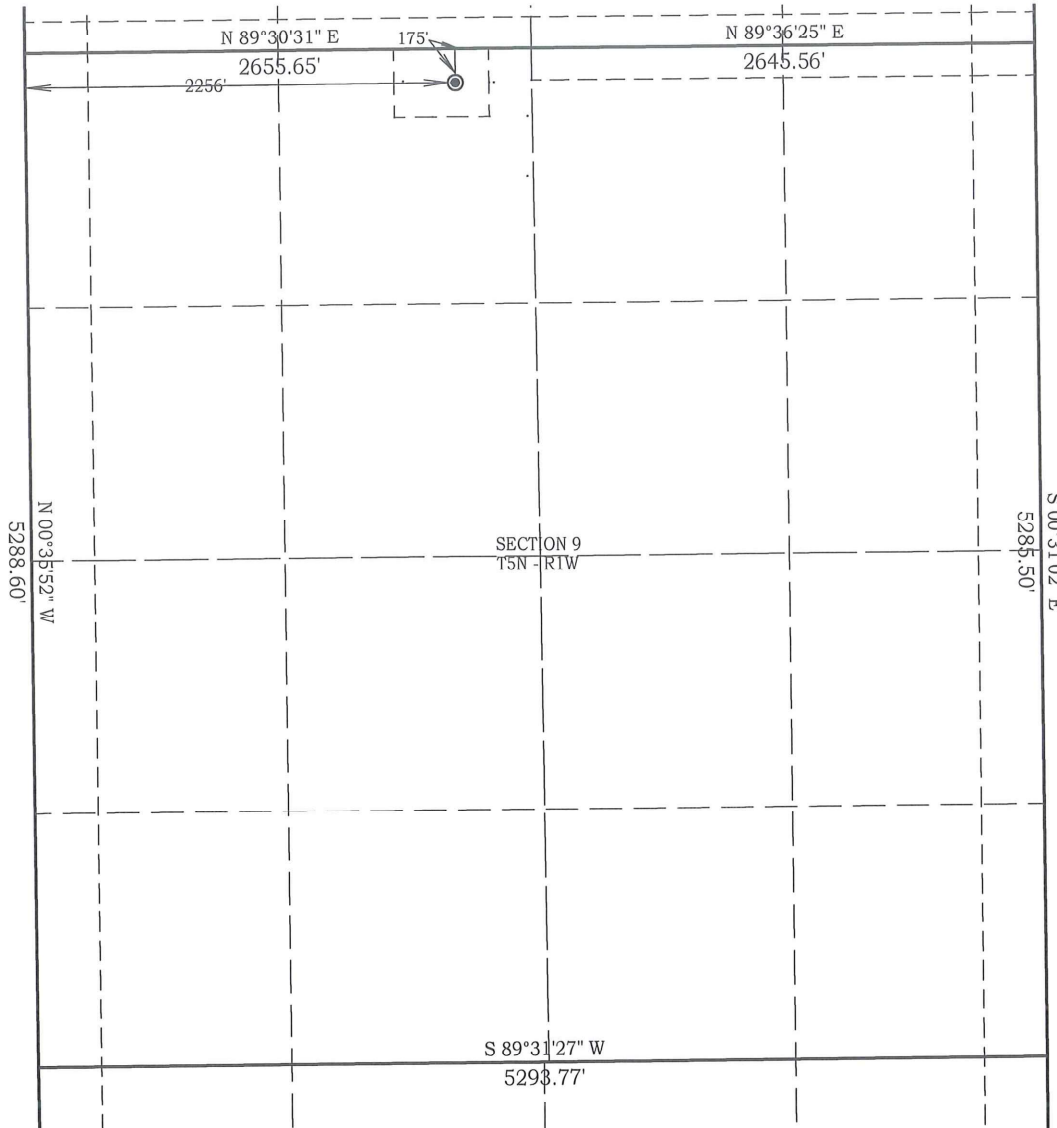
Section: 33	Township: 6N	Range: 1W	Meridian: IM	Total Length: 10750
County: MCCLAIN				Measured Total Depth: 18000
Spot Location of End Point: N2	NW	NE	NE	True Vertical Depth: 6810
Feet From: NORTH	1/4 Section Line: 50		End Point Location from	
Feet From: EAST	1/4 Section Line: 990		Lease, Unit, or Property Line: 50	

NOTES:

Category	Description
HYDRAULIC FRACTURING	<p>[5/18/2022 - G56] - 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: OCCEWEB.COM/OG/OGFORMS.HTML; 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 FRACFOCUS.ORG</p>
MEMO	[5/18/2022 - G56] - CLOSED SYSTEM=STEEL PITS (REQUIRED - ROSE C.L. LAKE), OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202201606	<p>[5/20/2022 - G56] - (E.O.) 4-5N-1W & 33-6N-1W EST MULTIUNIT HORIZONTAL WELL X636829 BPUNC, WDFD, HNTN 4-5N-1W X626647 WDFD, HNTN 33-6N-1W X660060 BPUNC 33-6N-1W (BPUNC, HNTN ARE ADJACENT CSS TO WDFD) 50% 4-5N-1W 50% 33-6N-1W NO OP NAMED REC 5/9/2022 (DENTON)</p>
PENDING CD - 202201607	<p>[5/20/2022 - G56] - (E.O.) 4-5N-1W & 33-6N-1W X636829 BPUNC, WDFD, HNTN 4-5N-1W X626647 WDFD, HNTN 33-6N-1W X660060 BPUNC 33-6N-1W (BPUNC, HNTN ARE ADJACENT CSS TO WDFD) COMPL INT (4-5N-1W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL INT (33-6N-1W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP NAMED REC 5/9/2022 (DENTON)</p>
SPACING - 626647	<p>[5/20/2022 - G56] - (640)(HOR) 33-6N-1W EST WDFD, HNTN COMPL INT (WDFD) NCT 330' FB COMPL INT (HNTN) NCT 660' FB (SUPERSEDE ORDER # 170749 HNTN)</p>
SPACING - 636829	<p>[5/20/2022 - G56] - (640)(HOR) 4-5N-1W EST BPUNC, WDFD, HNTN, OTHERS COMPL INT (BPUNC, HNTN) NCT 660' FB COMPL INT (WDFD) NCT 330' (COEXIST WITH SP # 153285 HNTN)</p>
SPACING - 660060	<p>[5/20/2022 - G56] - (640)(HOR) 33-6N-1W EST BPUNC, OTHERS COMPL INT NCT 660' FB</p>

Well Location Plat
M & M Land Surveying, Inc.
520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

Company Name: Charter Oak Production Company Lease Name: Kalahari 1-4-33XH
Section 9 Township 5 North Range 1 West County McClain Oklahoma
Surface Location 175' FNL - 2256' FWL Elevation 1095' Good Location? Yes Topography
Alfalfa field 25' East of
Tut 1-9-16-21XH



NAD 83 OK SOUTH
Surface Location
Latitude: 34.927381°
Longitude: 97.310949°
N= 580,819'
E= 2,175,043'

NAD 27 OK SOUTH
Surface Location
Latitude: 34.927306°
Longitude: 97.310644°
N= 580,776'
E= 2,206,639'

Best Accessibility to Location
From the East off Nicholas
Drive

Distance & Direction From The intersection of 150th Street & Nicholas Drive is at the Northeast Corner of the NW/4 of
Section 9.
Highway or Town _____

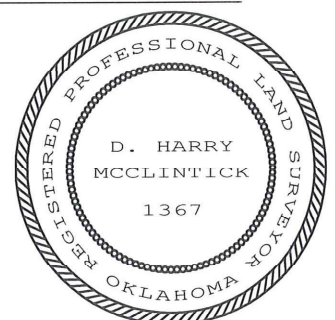
CERTIFICATE:

I, D. Harry McClintick, a Registered Land Surveyor in the state of Oklahoma, do hereby certify that the above described Well Location was surveyed and staked on the ground as shown.

[Signature] 4/26/2022
D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

This location has been staked according to the best official survey records available to us, but its accuracy is not guaranteed. Please review this plat and notify us immediately of any discrepancy.

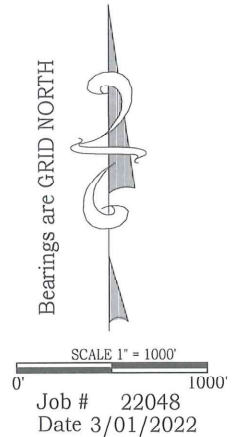
The distances shown in parenthesis () are calculated distances based on the quarter section being 2640' and have not been measured.



Topography Plat
M & M Land Surveying, Inc.
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Office 580-226-0446 Mobile 580-221-4999

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Alfalfa field 25' East of
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Surface Location
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Best Accessibility to Location
From the East off Nicholas
Drive

Distance & Direction From The intersection of 150th Street & Nicholas Drive is at the Northeast Corner of the NW 1/4 of Section 9.
Highway or Town _____

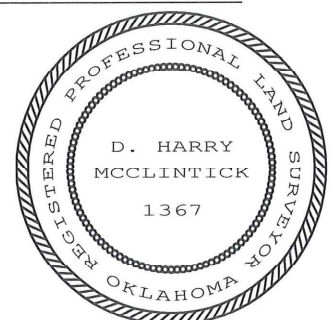
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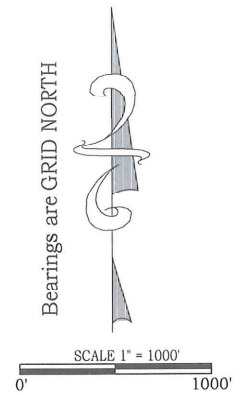
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Company Name: Charter Oak Production Company Lease Name: Kalahari 1-4-33XH
Section 9 Township 5 North Range 1 West County McClain Oklahoma
Surface Location 175' FNL - 2256' FWL Elevation 1095' Good Location? Yes



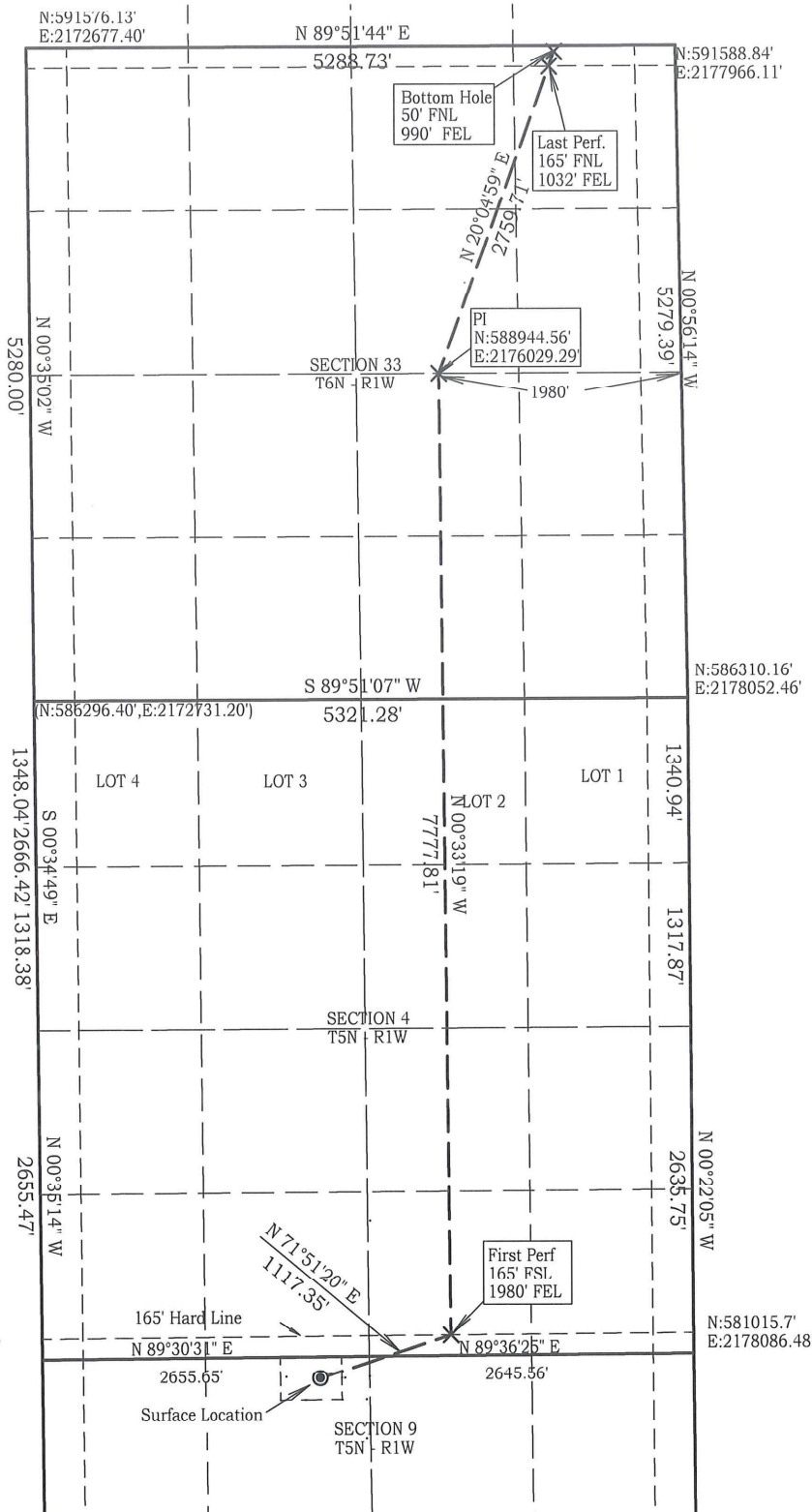
Permit Plat
M & M Land Surveying, Inc.
520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

Company Name: Charter Oak Production Company Lease Name: Kalahari 1-4-33XH
Section 9 Township 5 North Range 1 West County McClain Oklahoma

Surface Location 175' FNL - 2256' FWL Elevation 1095' Good Location? Yes

Topography
Alfalfa field 25' East of
Tut 1-9-16-21XH

ALL SECTION CORNER COORDINATES ARE NAD 83 OKLAHOMA SOUTH.



SCALE 1" = 1500'
0' 1500'
Job # 22048
Date 3/01/2022

NAD 83 OK SOUTH
Surface Location
Latitude: 34.927381°
Longitude: 97.310949°
N= 580,819'
E= 2,175,043'

NAD 27 OK SOUTH
Surface Location
Latitude: 34.927306°
Longitude: 97.310644°
N= 580,776'
E= 2,206,639'

First Perforation Pt.
N= 581,167'
E= 2,176,105'

First Perforation Pt.
N= 581,124'
E= 2,207,701'

PI
N= 588,945'
E= 2,176,029'

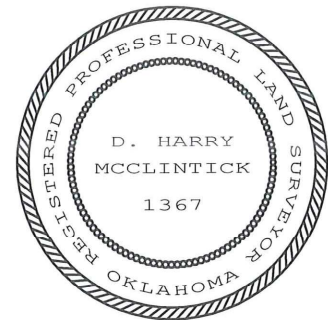
PI
N= 588,901'
E= 2,207,625'

Last Perforation Pt.
N= 591,421'
E= 2,176,935'

Last Perforation Pt.
N= 591,378'
E= 2,208,531'

Bottom Hole
N= 591,536'
E= 2,176,976'

Bottom Hole
N= 591,493'
E= 2,208,573'



D. Harry McClintick 4/26/2022
D. Harry McClintick, R.P.L.S. # 1367, CA # 3093

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Proposed Pad Plat

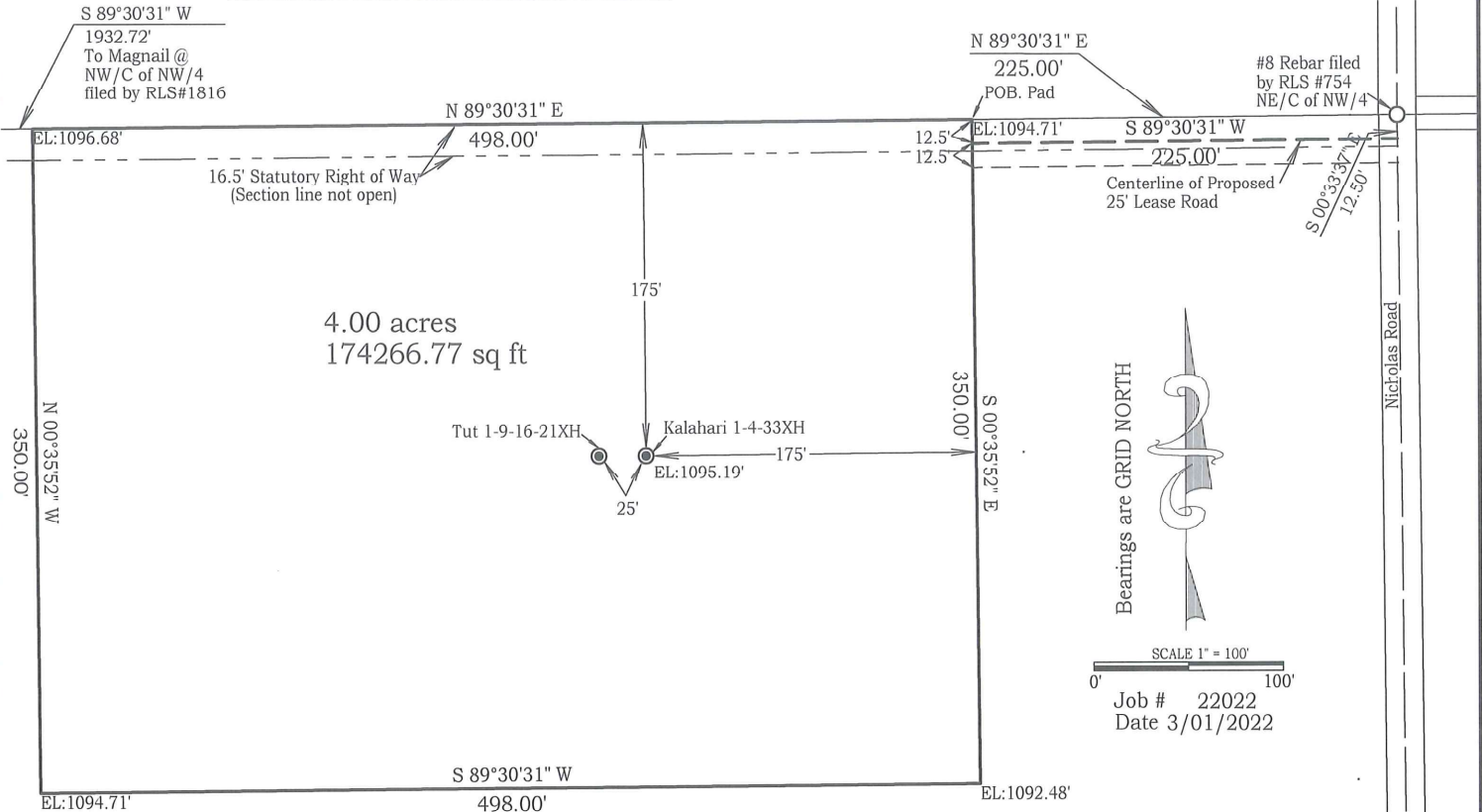
EXHIBIT "A"

M & M Land Surveying, Inc.

520 "E" Street NW. Ardmore, OK. 73401
Office 580-226-0446 Mobile 580-221-4999

Company Name: Charter Oak Production Company Lease Name: Tut 1-9-16-21XH & Kalahari 1-4-33XH
Section 9 Township 5 North Range 1 West County McClain Oklahoma

Surface Location 175' FNL - 2231' & 2256' FWL



Lease Road Description

A strip of land being 25 feet wide (12.5 feet each side of a centerline) in the NW/4 of Section 9, Township 5 North, Range 1 West, Indian Meridian, McClain County, Oklahoma, said centerline being more particularly described as follows: Commencing at the Northeast Corner of the NW/4; thence S00°33'37"E along the East line of the NW/4, a distance of 12.50 feet to the POINT OF BEGINNING; thence S89°30'31"W, and parallel with the North line of the NW/4, a distance of 225.00 feet to the POINT OF ENDING, bearings are Grid North. This Legal Description was prepared by D. Harry McClintick, RPLS #1367.

Legal Description

A tract of land being part of the NW/4 of Section 9, Township 5 North, Range 1 West, Indian Meridian, McClain County, Oklahoma, being more particularly described as follows: Commencing at the Northeast Corner of the NW/4; thence S89°30'31"W, along the North line of the NW/4, a distance of 225.00 feet to the POINT OF BEGINNING; thence S00°35'52"E, and parallel with the West line of the NW/4, a distance of 350.00 feet; thence S89°30'31"W, a distance of 498.00 feet; thence N00°35'52"W, a distance of 350.00 feet; thence N89°30'31"E, a distance of 498.00 feet to the POINT OF BEGINNING; said described tract containing 4.00 Acres, more or less, bearings are Grid North. This Legal Description was prepared by D. Harry McClintick, RPLS #1367.

If Seal is not in red ink this is
a copy and is not to be used.

M & M Land Surveying, Inc.
C.A .3093 LS #1367



D. Harry McClintick
D. Harry McClintick R.P.L.S. No. 1367
Mobile 580-221-4999
Office 580-226-0446
520 "E" Street NW.
Ardmore, OK 73401