API NUMBER: 043 23741

Multi Unit 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: 02/16/2022
Expiration Date: 08/16/2023

PERMIT TO DRILL

WELL LOCATION: Section: 31 Township: 18N Range: 17W County: DEWEY

SPOT LOCATION: S2 | S2 | S2 | SW

FEET FROM QUARTER: FROM **SOUTH** FROM **WEST**

SECTION LINES: **200** **1320**

Lease Name: **SPATZ 31/30 ML** **Well No:** **1HS** **Well will be** **200** **feet from nearest unit or lease boundary.**

Operator Name: **MEWBOURNE OIL COMPANY** Telephone: 9035612900 OTC/OCC Number: 6722 0

MEWBOURNE OIL COMPANY
3620 OLD BULLARD RD
TYLER, TX 75701-8644

BRANDON AND AMANDA DRINNON
222639 E 710 RD
TALOGA OK 73667

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

	Name	Code	Depth
1	SKINNER	404SKNR	8970

Spacing Orders: 167063

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202102816
202102818
202102817

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 16201 Ground Elevation: 1760 **Surface Casing: 1999** Depth to base of Treatable Water-Bearing FM: 120

Deep surface casing has been approved

Under Federal Jurisdiction: No
Fresh Water Supply Well Drilled: No
Surface Water used to Drill: No

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 22-38131

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.

MULTI UNIT HOLE 1

Section: 30	Township: 18N	Range: 17W	Meridian: IM	Total Length:	6777
County:	DEWEY			Measured Total Depth:	16201
Spot Location of End Point:	C	N2	N2	SW	True Vertical Depth: 8980
Feet From:	**SOUTH**	1/4 Section Line:	2310		
Feet From:	**WEST**	1/4 Section Line:	1320	End Point Location from Lease,Unit, or Property Line:	330

NOTES:

Category	Description
DEEP SURFACE CASING	[2/16/2022 - 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	[2/16/2022 - GC2] - 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
INTERMEDIATE CASING	[2/16/2022 - GC2] - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	[2/16/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202102816	[2/16/2022 - GB1] - (I.O.) (320)(HOR) S2 30-18N-17W EST SKNR COMPL INT NCL 660' FB (COEXIST SP #167063 SKNR) REC 1/10/22 (P. PORTER)
PENDING CD - 202102817	[2/16/2022 - GB1] - (I.O.) S2 30 & 31-18N-17W EST MULTIUNIT HORIZONTAL WELL X202102816 SKNR S2 30-18N-17W X167063 SKNR 31-18N-17W 33% S2 30-18N-17W 67% 31-18N-17W NO OP NAMED REC 1/10/22 (P. PORTER)
PENDING CD - 202102818	[2/16/2022 - GB1] - (I.O.) S2 30 & 31-18N-17W X202102816 SKNR S2 30-18N-17W X167063 SKNR 31-18N-17W COMPL INT (S2 30-18N-17W) NCT 165' FNL, NCT 0' FSL, NCT 900' FWL COMPL INT (31-18N-17W) NCT 0' FNL, NCT 165' FSL, NCT 900' FWL NO OP NAMED REC 1/10/22 (P. PORTER)
SPACING - 167063	[2/16/2022 - GB1] - (640) 30 & 31-18N-17W EXT OTHERS EXT 103050 SKNR, OTHER

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.

WELL LOCATION

SPATZ 31/30 ML #1HS
MEWBORNE OIL COMPANY
SECTION 31, TOWNSHIP 18N, RANGE 17W, I.M.
DEWEY COUNTY, OKLAHOMA

LEGEND

- SECTION LINE
- TOWNSHIP LINE
- QUARTER SECTION LINE
- 16TH LINE

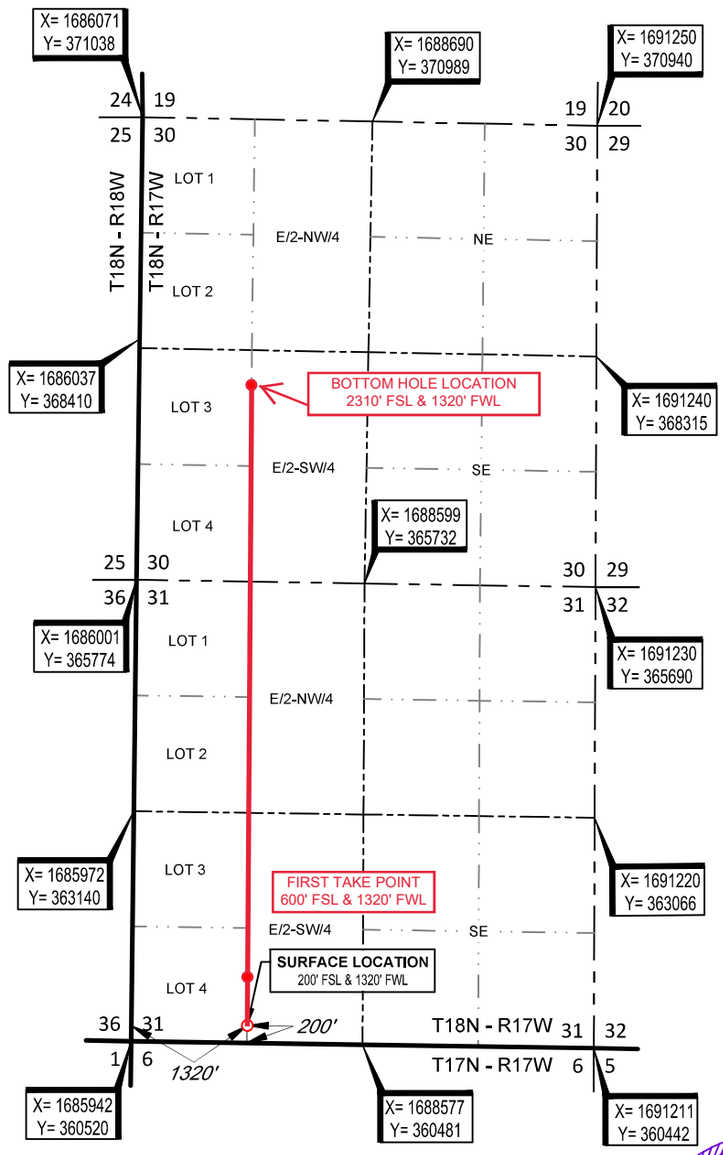
GRID
NAD-27
OK NORTH
US FEET

SCALE: 1" = 2000'

0' 1000' 2000'

SURFACE LOCATION
200' FSL & 1320' FWL
NAD-27
X= 1687264
Y= 360700
LAT.: 35°59'10.5" N
LONG.: 99°03'25.5" W
LAT.: 35.986238° N
LONG.: 99.057075° W
ELEV.: 1760'

BOTTOM HOLE LOCATION
2310' FSL & 1320' FWL
X= 1687352
Y= 368056
LAT.: 36 0' 23.208" N
LONG.: -99 3' 25.379" W
LAT.: 36.0064467 N
LONG.: -99.0570497 W



Note:
Surface hole and section corner information surveyed in the field and certified by Topographic Land Surveyors.
Drill path information has not been surveyed, reviewed, or certified by Topographic Land Surveyors.

LICENSED PROFESSIONAL LAND SURVEYOR
THOMAS L. HOWELL
1433
10-19-21
OKLAHOMA

SURVEYOR'S CERTIFICATE:

I, THOMAS H. HOWELL, AN OKLAHOMA LICENSED LAND SURVEYOR AND AN AUTHORIZED AGENT OF TOPOGRAPHIC LAND SURVEYORS, DO HEREBY CERTIFY TO THE INFORMATION SHOWN HEREIN.

Thomas L. Howell

Thomas H. Howell P.L.S. No. 1433
Authorized Agent of Topographic Land Surveyors

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
13800 WIRELESS WAY • OKLAHOMA CITY, OKLAHOMA 73134
TELEPHONE: (405) 843-4847 OR (800) 654-3219
CERTIFICATE OF AUTHORIZATION NO. 1292 LS
WWW.TOPOGRAPHIC.COM

LEASE NAME & WELL NO. SPATZ 31/30 ML #1HS

SECTION 31 TWP 18N RGE 17W MERIDIAN I.M.
COUNTY DEWEY STATE OKLAHOMA
DESCRIPTION 200' FSL & 1320' FWL

SPATZ 31/30 ML #1HS	REVISION: INT	DATE
DATE: 10/18/21		
FILE:LO_SPATZ_3130_ND_1HS		
DRAWN BY: EAH		
SHEET : 1 OF 2		

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 14"
2. ALL BEARINGS SHOWN HEREON ARE GRID ACCORDING TO THE RESULTS OF STATIC GPS OBSERVATIONS PROCESSED THROUGH OPUS ON THE CONTROL POINT OCCUPIED WHILE MEASURING SAID LINES. OPUS RESULTS ARE CORRELATED TO OKLAHOMA, NORTH ZONE, NAD 27 - HORIZONTAL AND THE NATIONAL GEODETIC VERTICAL DATUM OF 1929.
3. CERTIFICATION IS MADE ONLY TO THE LOCATION OF THIS EASEMENT/LOCATION, IN RELATION TO THE EVIDENCE FOUND DURING A FIELD SURVEY, MADE ON THE GROUND, UNDER MY SUPERVISION, AND USING DOCUMENTATION PROVIDED BY MEWBORNE OIL COMPANY. ONLY UTILITIES/EASEMENTS THAT WERE VISIBLE ON THE DATE OF THIS SURVEY, WITHIN/ADJOINING THIS EASEMENT/LOCATION, HAVE BEEN LOCATED AS SHOWN HEREON OF WHICH I HAVE KNOWLEDGE. THIS CERTIFICATION IS LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE, AND MADE FOR THIS TRANSACTION ONLY.
4. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY