

API NUMBER: 051 24836

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

Approval Date: 05/19/2021
Expiration Date: 11/19/2022

Multi Unit Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 24 Township: 4N Range: 6W County: GRADY

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 264 2233

Lease Name: KEM RANCH 0406 Well No: 4-24-25WXH Well will be 264 feet from nearest unit or lease boundary.
Operator Name: MARATHON OIL COMPANY Telephone: 866622378 OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
5555 SAN FELIPE ST
HOUSTON, TX 77056

PATRICIA LYNN GAWTHROP
25852 UNDERWOOD AVE.
HAYWARD CA 94544

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

	Name	Code	Depth
1	MISSISSIPPIAN	359MSSP	14910
2	WOODFORD	319WDFD	15366
3	HUNTON	269HNTN	15531

Spacing Orders: 403850 Location Exception Orders: 717707 Increased Density Orders: 717636
184773 717637
146081
654359
654158
655630
717639

Pending CD Numbers: No Pending

Working interest owners' notified: ***

Special Orders: No Special Orders

Total Depth: 25453 Ground Elevation: 1198

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 350

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: 21-37618
H. (Other) SEE MEMO
G. Haul to recycling/re-use facility Sec. 28 Twn. 2N Rng. 4W Cnty. 137 Order No: 702000

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is: NON HSA

Pit Location Formation: CHICKASHA

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.

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 not** located in a Hydrologically Sensitive Area.**Category of Pit:** C**Liner not required for Category:** C**Pit Location is:** NON HSA**Pit Location Formation:** CHICKASHA**MULTI UNIT HOLE 1****Section:** 25 **Township:** 4N **Range:** 6W **Meridian:** IM**Total Length:** 9828**County:** GRADY**Measured Total Depth:** 25453**Spot Location of End Point:** SW SE SE SW**True Vertical Depth:** 15877**Feet From:** **SOUTH** 1/4 Section Line: 50**End Point Location from****Feet From:** **WEST** 1/4 Section Line: 2265**Lease, Unit, or Property Line:** 50**Additional Surface Owner(s)****Address****City, State, Zip**

RICHARD A. ADKINS

1112 CLARIBEL ROAD

OAKDALE, CA 95361

NOTES:

Category	Description
DEEP SURFACE CASING	[5/14/2021 - 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	[5/14/2021 - 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
INCREASED DENSITY - 717636	[5/18/2021 - GC2] - 24-4N-6W X403850 WDFD 5 WELLS NO OP. NAMED 4-7-2021
INCREASED DENSITY - 717637	[5/18/2021 - GC2] - 25-4N-6W X184773 WDFD 5 WELLS NO OP NAMED 4-7-2021
LOCATION EXCEPTION - 717707 (202100143)	[5/18/2021 - GC2] - (I.O.) 24 & 25-4N-6W X654359/655630 MSSP 24-4N-6W X654158 MSSP 25-4N-6W X403850 WDFD 24-4N-6W X184773 WDFD 25-4N-6W X146081 HNTN 24 & 25-4N-6W COMPL. INT. (24-4N-6W) NCT 150' FNL, NCT 0' FSL, NCT 1650' FWL COMPL. INT. (25-4N-6W) NCT 0' FNL, NCT 150' FSL, NCT 1650' FWL NO OP. NAMED 4-12-2021
MEMO	[5/14/2021 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

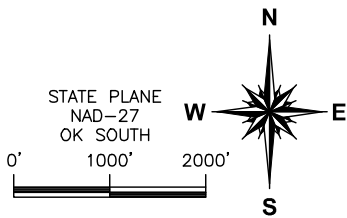
This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 MONTHS, except as otherwise provided by Rule 165: 10-3-1. Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

SPACING - 146081	[5/18/2021 - GC2] - (640) 24 & 25-4N-6W EXT OTHERS EST HNTN, SCMR (VAC BY 654359 SCMR 24-4N-6W) (VAC BY 654158 SCMR 25-4N-6W)
SPACING - 184773	[5/18/2021 - GC2] - (640) 25-4N-6W EST WDFD
SPACING - 403850	[5/18/2021 - GC2] - (640) 24-4N-6W EST WDFD
SPACING - 654158	[5/18/2021 - GC2] - (640) 25-4N-6W VAC 146081 SCMR EST MSSP
SPACING - 654359	[5/18/2021 - GC2] - (640) 24-4N-6W VAC 146081 SCMR EST MSSP
SPACING - 655630	[5/18/2021 - GC2] - AMND TO PROPER NOTICE THE ONLY RESPONDENT
SPACING - 717639 (202100142)	[5/18/2021 - GC2] - (I.O.) 24 & 25-4N-6W ESTABLISH MULTIUNIT HORIZONTAL WELL X654359/655630 MSSP 24-4N-6W X654158 MSSP 25-4N-6W X403850 WDFD 24-4N-6W X184773 WDFD 25-4N-6W X146081 HNTN 24 & 25-4N-6W (HNTN, MSSP ADJACENT COMMON SOURCE OF SUPPLY TO WDFD) 50% 24-4N-6W 50% 25-4N-6W NO OP. NAMED 4-7-2021

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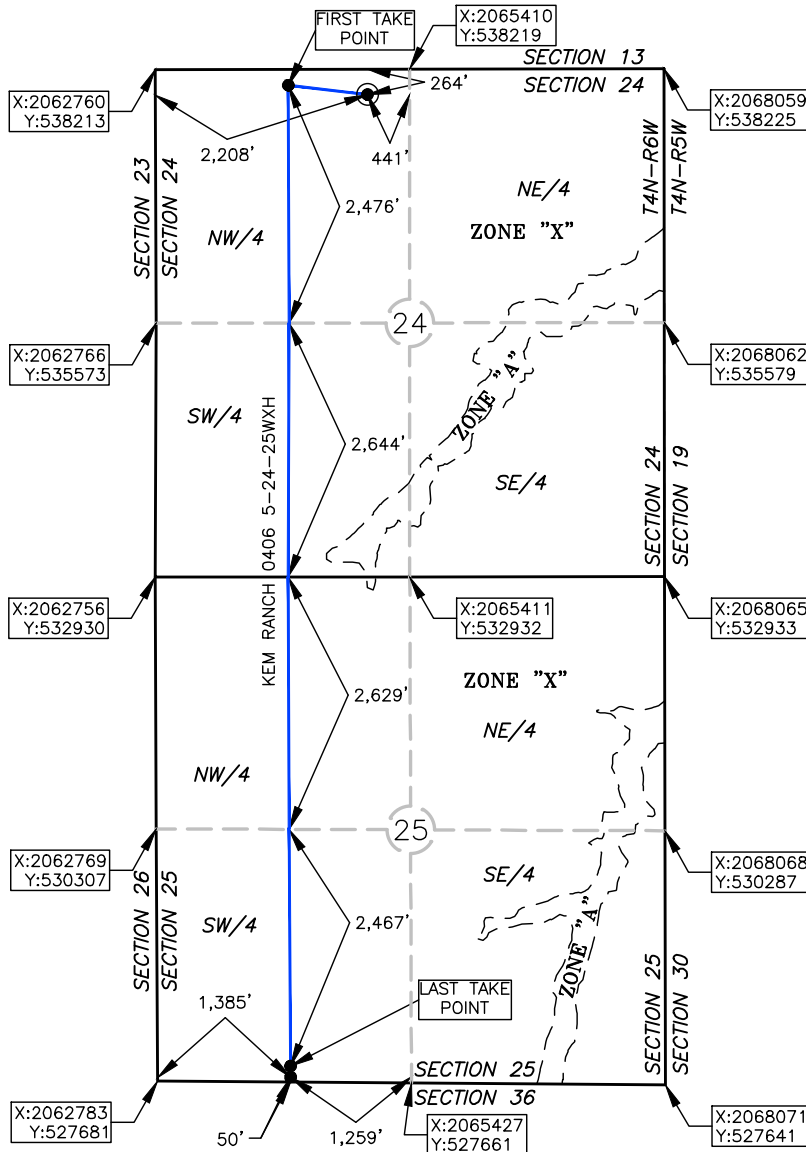
GRADY COUNTY, OKLAHOMA
264' FNL - 2,208' FWL SECTION 24 TOWNSHIP 04N RANGE 06W I.M.

PROPOSED
SURFACE HOLE
264' FNL - 2,208' FWL
NAD 27 (US FEET)
N34°48'41.0"
W97°47'00.8"
N34.811390
W97.783567
X:2064968
Y:537954

PROPOSED
FIRST TAKE POINT
165' FNL - 1,385' FWL
NAD 27 (US FEET)
N34°48'42.0"
W97°47'10.7"
N34.811663
W97.786307
X:2064145
Y:538051

PROPOSED
LAST TAKE POINT
165' FSL - 1,385' FWL
NAD 27 (US FEET)
N34°47'00.9"
W97°47'10.7"
N34.783593
W97.786308
X:2064167
Y:527835

PROPOSED
BOTTOM HOLE
50' FSL - 1,385' FWL
NAD 27 (US FEET)
N34°46'59.8"
W97°47'10.7"
N34.783277
W97.786307
X:2064167
Y:527720



OPERATOR: MARATHON OIL COMPANY

LEASE NAME: KEM RANCH 0406

WELL NO.: 5-24-25WXH

TOPOGRAPHY & VEGETATION: BRUSH SURROUNDING PROPOSED PAD AREA

ELEVATION:

1,200' GR. AT STAKE NAVD88

1,197' GR. AT STAKE NGVD29

GOOD DRILL SITE? YES
REFERENCE STAKES OR ALTERNATE LOCATION
STAKES SET NONE

BEST ACCESS TO LOCATION: FROM THE SOUTH EDGE OF E1520 RD

DISTANCE AND DIRECTION
FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTINO OF OK. HWY 76 & E COUNTY ROAD 1520, APPROX. 1.7MI. SOUTH OF LINDSAY, OK. THENCE ALONG E1520 RD. APPROX.
10.6 MI. THE PAD WILL BE ON THE SOUTH EDGE OF E1520 RD.

DATUM: NAD 27

LAT: 34° 48' 41.0" N

LONG: 97° 47' 00.8" W

LAT: 34.811390° N

LONG: 97.783567° W

STATE PLANE
COORDINATES: (US FEET)

ZONE: OK SOUTH

X: 2064968

Y: 537954

This information was
gathered with a GPS receiver
with ±1 foot Horiz/Vert accuracy.

JOB NO.: 20003379

DATE OF DRAWING: 10/19/20

DATE STAKED: 09/24/20

CERTIFICATE:

I, JASON JUNG an Oklahoma Licensed Land
Surveyor and an authorized agent of Atwell, LLC, do
hereby certify to the information shown herein

Oklahoma Lic. No. 1810

