API NUMBER: 049 25279

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

Approval Date: 03/13/2019
Expiration Date: 09/13/2020

boundary.

Horizontal Hole Multi Unit Oil & Gas

## PERMIT TO DRILL

ease Name: YOSHI 0304	SECTION LINES:  Well No:	1908 243 1-5-32SXH	Well will be 243 feet from nearest unit or lease
Operator MARATHON OIL COMPANY lame:		Telephone: 4057205508	OTC/OCC Number: 1363 (
MARATHON OIL COMPANY 7301 NW EXPRESSWAY STE 225 OKLAHOMA CITY, OK	73132-1590		L AND ROBIN BLOUGH BBERSON ( OK 73052
	Farmeria de Oala		
ermation(s) (Permit Valid for Listed Name	Formations Only):  Depth	Name	Depth
( ) (	• ,	Name 6	Depth

Pending CD Numbers: 201900588 Special Orders:

Location Exception Orders:

Total Depth: 20275 Ground Elevation: 1089 Surface Casing: 1500 Depth to base of Treatable Water-Bearing FM: 340

9

10

676456

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

PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids:

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

671679

671678 677311

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

4

Spacing Orders:

Liner not required for Category: C
Pit Location is BED AQUIFER
Pit Location Formation: DUNCAN

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36203

Increased Density Orders:

H. SEE MEMO

## 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 BED AQUIFER
Pit Location Formation: DUNCAN

## **HORIZONTAL HOLE 1**

Sec 32 Twp 4N Rge 4W County GARVIN

Spot Location of End Point: NW NE NE NE Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 12013
Radius of Turn: 803
Direction: 358
Total Length: 7000

Measured Total Depth: 20275

True Vertical Depth: 12475

End Point Location from Lease,
Unit, or Property Line: 50

Notes:

Category Description

DEEP SURFACE CASING 2/4/2019 - G71 - 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 2/4/2019 - G71 - OCC 165:10-3-10 REQUIRES:

1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE:

2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE

"FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK:

OCCEWEB.COM/OG/OGFORMS.HTML; AND,

3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE

HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG

LOCATION EXCEPTION - 676456 3/12/2019 - GB1 - (I.O.) 5-3N-4W & 32-4N-4W

X671679 SPRG 5-3N-4W X671678 SPRG 32-4N-4W

COMPL. INT. (5-3N-4W) NCT 1320' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (32-4N-4W) NCT 0' FSL, NCT 150' FNL, NCT 330' FEL

MARATHON OIL COMPANY

4/18/2018

MEMO 2/4/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 -

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

Category Description

PENDING CD - 201900588 3/13/2019 - GB1 - 5-3N-4W

X671379 SPRG 3 WELLS NO OP. NAMED

REC. 3/11/2019 (THOMAS)

SPACING - 671678 3/11/2019 - GB1 - (640)(HOR) 32-4N-4W

VAC OTHERS EXT OTHERS EXT 659519 SPRG COMPL. INT. NLT 660' FB

SPACING - 671679 3/11/2019 - GB1 - (640)(HOR) 5-3N-4W

EXT 658538/659832/663306 SPRG, OTHERS

COMPL. INT. NLT 660' FB

SPACING - 677311 3/12/2019 - GB1 - (I.O.) 5-3N-4W & 32-4N-4W

EST MULTIUNIT HORIZONTAL WELL

X671679 SPRG 5-3N-4W X671678 SPRG 32-4N-4W

33% 5-3N-4W 67% 32-4N-4W

MARATHON OIL COMPANY

5/4/2018

API 049-25279



GARVIN COUNTY, OKLAHOMA 1,908' FSL - 243' FEL SECTION 5 TOWNSHIP 03N RANGE 04W I.M. 375' X:2107530 50 Y:527704 SECTION 29 X:2110179 SECTION 32 X:2104881 Y:527702 Y:527706 LAST TAKE PROPOSED POINT BOTTOM HOLE 50'FNL-375'FEL N NAD 27 (US FEET) N34°46'57.8" w97°38'03.6" N34.782729 W97.634326 X:2109804 Y:527652 X:2104888 X:2110186 Y:525068 Y:525069 PROPOSED LAST TAKE POINT S 165'FNL-375'FEL **GEODETIC** 2,634 NAD 27 (US FEET) NAD-27 N34°46'56.7" OK SOUTH w97°38'03.6" 1000' 2000' N34.782413 W97.634326 X:2109805 Y:527537 X:2104895 X:2110193 Y:522424 Y:522435 PROPOSED FIRST TAKE POINT 2.475'FNL-375'FEL NAD 27 (US FEET) N34°45'41.7" W97°38'03.8" N34.761591 W97.634385 X:2109814 Y:519959 X:2110189 X:2104911 Y:519803 Y:519790 PROPOSED SURFACE HOLE 1,908'FSL-243'FEL 243 NAD 27 (US FEET) N34°45'32.9" 1,908 W97°38'02.1" N34.759138 W97 633931 X:2109954 Y:519067 SECTION 8 X:2104928 X:2107576 X:2110219 Y:517159 OPERATOR: MARATHON OIL COMPANY ELEVATION: 1,092' GR. AT STAKE NAVD88 LEASE NAME: \_YOSHI 0304 WELL NO .: 1-5-32SXH 1,089' GR. AT STAKE NGVD29 TOPOGRAPHY & VEGETATION: OPEN FIELD w/INTERMITTENT TREES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE GOOD DRILL SITE? YES BEST ACCESS TO LOCATION: N3010 RD. TO THE WEST DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF E COUNTY ROAD 1520 AND OK HWY 76 IN ERIN SPRINGS, OK DRIVE SOUTH ON OK HWY 76 FOR APPROX. 2 MILES. THEN WEST ON GARVIN POINT ROAD FOR 6.5 MILES, THEN SOUTH ON N3022 RD FOR 1 MILE, THEN WEST 1 MILE ON CR 1550 RD, THE SOUTH ON N3010 RD FOR .5 MILES. THE SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD. STEEDING! DATE OF DRAWING: 1/8/19 ESSIONAL DATUM: NAD 27 18003617 DATE STAKED: 1/7/19 LAT: 34° 45' 32.9" N JOB NO.: \_ with a GPS receiver LONG: 97° 38' 02.1" W LAT: 34.759138° N CERTIFICATE: DAVID I LONG: 97.633931° W **NDERSO** DAVID L. ANDERSON an Oklahoma Licensed Land STATE PLANE Surveyor and an authorized agent of Atwell, LLC, do nered w COORDINATES: (US FEET) hereby certify to the information shown herein ZONE: OK SOUTH 3-12-19 X: \_2109954 MALAN Y: <u>5</u>19067 Oklahoma Lic. No. <u>1927</u>



GARVIN COUNTY, OKLAHOMA 1,908' FSL - 243' FEL SECTION 5 TOWNSHIP 03N RANGE 04W I.M. 375 X:2107530 50 Y:527704 SECTION 29 X:2110179 SECTION 32 2,275 X:2104881 Y:527706 Y:527702 32 LAST TAKE PROPOSED POINT SECTION BOTTOM HOLE 50'FNL-375'FEL Ν NAD 27 (US FEET) N34°46'57.8" 2,469 NE/4 31 NW/4 SECTION w97°38'03.6" ZONE "X" N34.782729 W97.634326 E X-2109804 Y:527652 X:2104888 **32SXH** X:2110186 Y:525068 Y:525069 PROPOSED LAST TAKE POINT 1-5-S 165'FNL-375'FEL **GEODETIC** 2,634 NAD 27 (US FEET) SW/4 0304 NAD-27 N34°46'56.7" OK SOUTH w97°38'03.6" 1000' 2000' N34.782413 YOSHI W97.634326 X:2109805 SECTION 32 - T4N-R4W Y:527537 SECTION 5 T3N-R4W X:2104895 X:2110193 Y:522424 Y:522435 PROPOSED FIRST TAKE POINT ZONE **NE/4** 2,475 SECTION SECTION 2,475'FNL-375'FEL NAD 27 (US FEET) N34°45'41.7" SECTION SECTION ,\* w97°38'03.8" ZONE 375' N34.761591 W97.634385 NW/4 X:2109814 TAKE 5 Y:519959 POINT X:2110189 X:2104911 Y:519803 Y:519790 PROPOSED SURFACE HOLE 1.908'FSL-243'FEL SE, 243 SW/4 NAD 27 (US FEET) N34°45'32.9" 1,908' w97°38'02.1" N34.759138 ZONE "X" W97.633931 X:2109954 SECTION 5 Y:519067 SECTION 8 X:2104928 X:2107576 X:2110219 Y:517155 Y:517155 OPERATOR: MARATHON OIL COMPANY **ELEVATION:** 1,092' GR. AT STAKE NAVD88 LEASE NAME: \_YOSHI 0304 WELL NO .: 1-5-32SXH 1,089' GR. AT STAKE NGVD29 TOPOGRAPHY & VEGETATION: OPEN FIELD w/INTERMITTENT TREES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE GOOD DRILL SITE? YES BEST ACCESS TO LOCATION: N3010 RD. TO THE WEST DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF E COUNTY ROAD 1520 AND OK HWY 76 IN ERIN SPRINGS, OK DRIVE SOUTH ON OK HWY 76 FOR APPROX. 2 MILES. THEN WEST ON GARVIN POINT ROAD FOR 6.5 MILES, THEN SOUTH ON N3022 RD FOR 1 MILE, THEN WEST 1 MILE ON CR 1550 RD, THE SOUTH ON N3010 RD FOR .5 MILES. THE SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD. STATISTICAL STATISTICS OF THE STATIST OF THE Sec. .... D. AND. 19. DATE OF DRAWING: 1/8/19 DATUM: NAD 27 LAT: <u>34</u>° 45' 32.9" N This information was thered with a GPS receiver ±1 foot Horiz/Vert accuracy. 18003617 DATE STAKED: 1/7/19 JOB NO.: \_ LONG: 97° 38' 02.1" W LAT: \_34.759138° N CERTIFICATE: LONG: 97.633931° W NDERSON DAVID L. ANDERSON an Oklahoma Licensed Land STATE PLANE Surveyor and an authorized agent of Atwell, LLC, do COORDINATES: (US FEET) hereby certify to the information shown herein ZONE: OK SOUTH X: <u>2</u>109954 3-12-19Y: 519067 Oklahoma Lic. No. \_\_\_ 1927

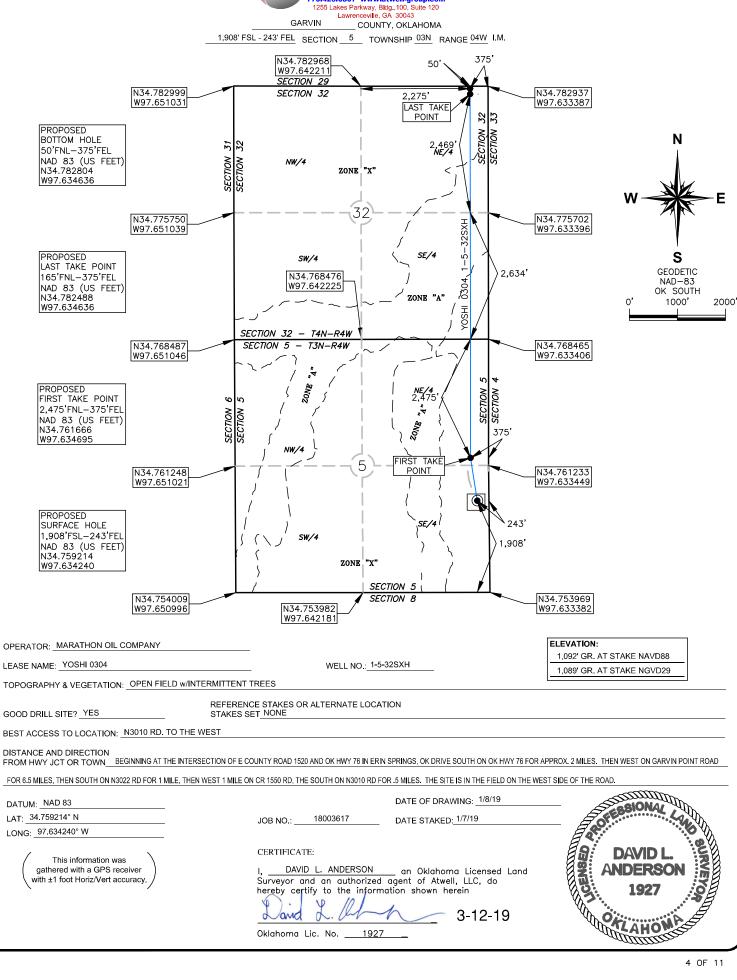


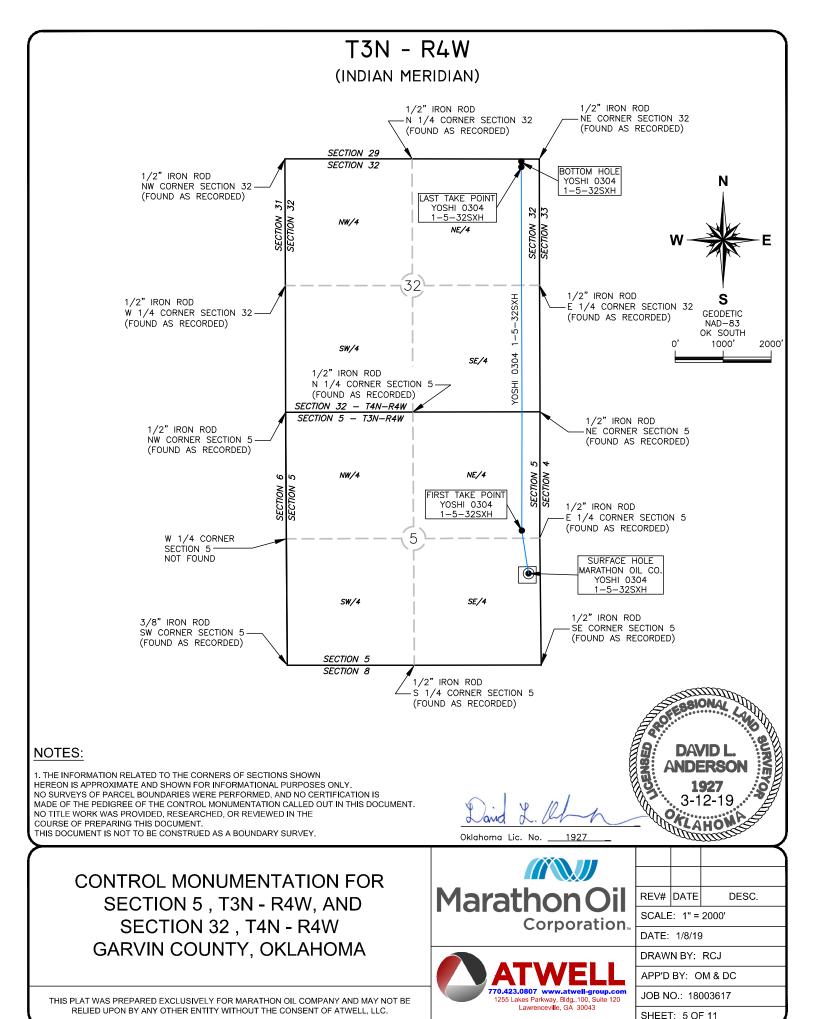
GARVIN COUNTY, OKLAHOMA 1,908' FSL - 243' FEL SECTION 5 TOWNSHIP 03N RANGE 04W I.M. 375 N34.782968 W97.642211 SECTION 29 N34.782999 SECTION 32 N34.782937 W97.651031 W97.633387 PROPOSED BOTTOM HOLE N 50'FNL-375'FEL NAD 83 (US FEET) N34.782804 W97.634636 N34.775750 N34.775702 W97.651039 W97.633396 PROPOSED S LAST TAKE POINT 2,634 **GEODETIC** 165'FNL-375'FEL NAD 83 (US FEET) 0304 NAD-83 OK SOUTH N34.782488 1000' 2000' W97.634636 N34.768465 N34.768487 W97.651046 W97.633406 PROPOSED FIRST TAKE POINT 2,475'FNL-375'FEI NAD 83 (US FEET) N34.761666 W97.634695 N34.761233 N34.761248 W97.651021 W97.633449 PROPOSED 243 SURFACE HOLE 1,908'FSL-243'FEL 1,908 NAD 83 (US FEET) N34 759214 W97.634240 N34.754009 N34.753969 SECTION 8 N34.753982 W97.650996 W97.633382 W97.642181 OPERATOR: MARATHON OIL COMPANY ELEVATION: 1,092' GR. AT STAKE NAVD88 LEASE NAME: \_YOSHI 0304 WELL NO : 1-5-32SXH 1,089' GR. AT STAKE NGVD29 TOPOGRAPHY & VEGETATION: OPEN FIELD w/INTERMITTENT TREES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET NONE GOOD DRILL SITE? YES BEST ACCESS TO LOCATION: N3010 RD. TO THE WEST DISTANCE AND DIRECTION FROM HWY JCT OR TOWN BEGINNING AT THE INTERSECTION OF E COUNTY ROAD 1520 AND OK HWY 76 IN ERIN SPRINGS, OK DRIVE SOUTH ON OK HWY 76 FOR APPROX. 2 MILES. THEN WEST ON GARVIN POINT ROAD FOR 6.5 MILES, THEN SOUTH ON N3022 RD FOR 1 MILE, THEN WEST 1 MILE ON CR 1550 RD, THE SOUTH ON N3010 RD FOR .5 MILES. THE SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD. SUMMIND OF THE PROPERTY. DATE OF DRAWING: 1/8/19 DATUM: NAD 83 ESSIONAL 18003617 LAT: 34.759214° N DATE STAKED: 1/7/19 JOB NO.: \_ LONG: 97.634240° W CERTIFICATE: DAVID I This information was DAVID L. ANDERSON gathered with a GPS receiver an Oklahoma Licensed Land with ±1 foot Horiz/Vert accuracy. Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein 3-12-19 TALAHON

Oklahoma Lic. No. \_\_\_

1927







5 OF 11



1-18-19

- PURPOSES ONLY.
- 2. WELL LOCATION AND PAD AREA ARE NOT IN FLOOD ZONE.
- 3. NO DWELLINGS WITHIN 600' OF WELL PAD AREA.
- 4. DIMENSIONS TO THE SECTION LINES ARE APPROXIMATE, AND WERE NOT DETERMINED IN THE COURSE OF A BOUNDARY SURVEY

600' RADIUS OF A PROPOSED WELL AND PAD AREA FOR YOSHI 0304 1-5-32SXH IN THE SE/4 OF SECTION 5, T3N - R4W, GARVIN COUNTY, OKLAHOMA

THIS PLAT WAS PREPARED EXCLUSIVELY FOR MARATHON OIL COMPANY AND MAY NOT BE RELIED UPON BY ANY OTHER ENTITY WITHOUT THE CONSENT OF ATWELL, LLC.





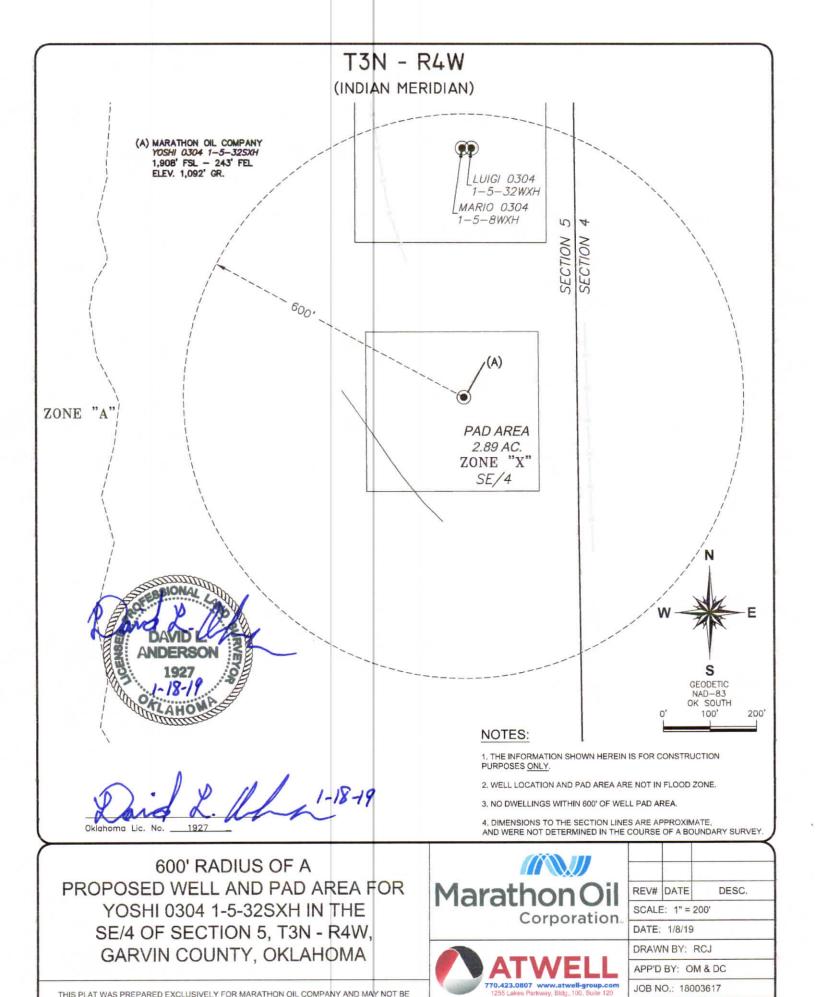
REV# DATE DESC. SCALE: 1" = 200'

DATE: 1/8/19

DRAWN BY: RCJ

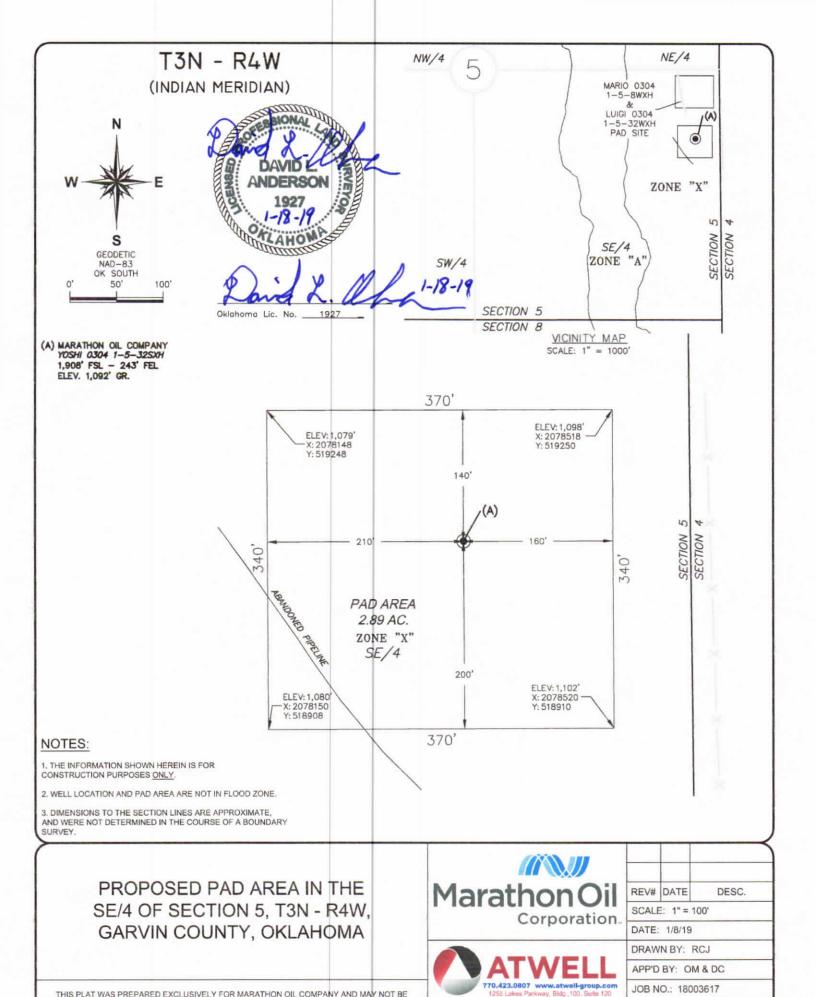
APP'D BY: OM & DC JOB NO.: 18003617

SHEET: 6 OF 11



RELIED UPON BY ANY OTHER ENTITY WITHOUT THE CONSENT OF ATWELL, L.C.

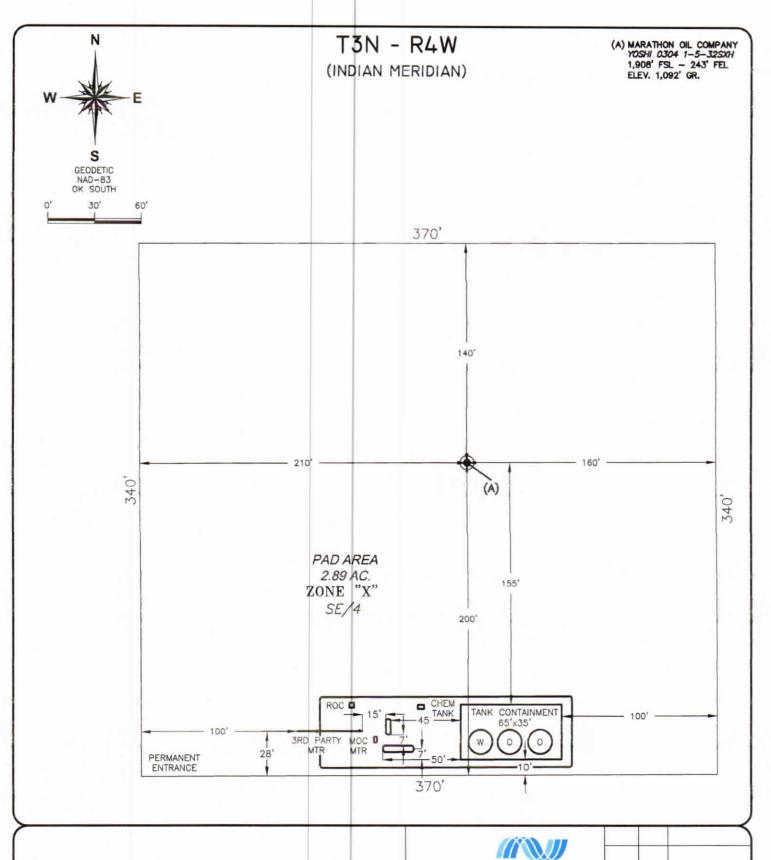
SHEET: 7 OF 11



RELIED UPON BY ANY OTHER ENTITY WITHOUT THE CONSENT OF ATWELL, L.C.

8 OF 11

SHEET: 8 OF 11



ONE WELL FACILITY LAYOUT IN THE SE/4 OF SECTION 5, T3N - R4W, GARVIN COUNTY, OKLAHOMA

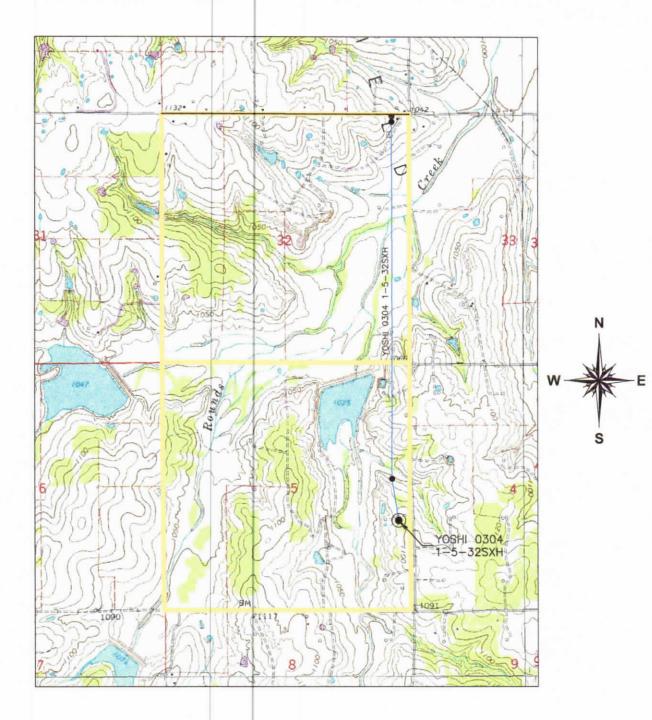
Marathon Oil

Corporation.

REV# DATE DESC. SCALE: 1" = 60' DATE: 1/8/19 DRAWN BY: RCJ

APP'D BY: OM & DC JOB NO.: 18003617 SHEET: 9 OF 11

## LOCATION & ELEVATION VERIFICATION MAP



SEC. 5 TWP. 3N RNG. 4W

COUNTY GARVIN STATE OK

OPERATOR MARATHON OIL COMPANY

DESCRIPTION 1,908' FSL - 243' FEL

LEASE YOSHI 0304 1-5-32SXH

ELEVATION 1,092' GR. AT STAKE NAVD88
1,089' GR. AT STAKE NGVD29

LINDSAY SW

U.S.G.S. TOPOGRAPHIC

QUADRANGLE MAP

ABOVE BACKGROUND DATA FROM U.S.G.S. TOPOGRAPHIC MAP SCALE: 1" = 2000'

CONTOUR INTERVAL 10

WHEN THE ELEVATION IS SHOWN HEREON IT IS THE GROUND ELEVATION OF THE LOCATION STAKE. REVIEW THIS PLAT AND INFORM US IMMEDIATELY OF ANY POSSIBLE DISCREPANCY.



09-Jan-2019 : 8:36 AM

