API NUMBER: 049 25282

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

Approval Date: 04/01/2019
Expiration Date: 10/01/2020

Horizontal Hole

Oil & Gas

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

PERMIT TO DRILL					
WELL LOCATION: Sec: 17 Twp	: 3N Rge: 4W County: G	ΔR\/IN			
	NE   NE   FEET FROM QUARTER: FROM				
SPOT LOCATION. INE INW	SECTION LINES:	275 975			
Lease Name: BOWSER 0304	Well No	: 1-8-5SXH	Well will be 275 feet from ne	arest unit or lease boundary.	
Operator MARATHON OIL Name:	COMPANY	Telephone: 4057205508	OTC/OCC Number	: 1363 0	
MARATHON OIL COMPA	NY	LILLIE C	DAVIS		
7301 NW EXPRESSWAY	STE 225	PO BOX			
OKLAHOMA CITY,	OK 73132-1590			70050	
		LINDSA	Y OK	73052	
Formation(s) (Permit Valid  Name  1 SPRINGER  2 3 4 5  Spacing Orders: 671679 671680  Pending CD Numbers: 201900588 201900599 201900590 201900591	for Listed Formations Only):  Depth  12650  Location Except	Name 6 7 8 9 10 ion Orders:	Increased Density Order Special Orders:	epth	
201901835  Total Depth: 20450 Gro	ound Elevation: 1141 Surfac	e Casing: 1500	Depth to base of Treatable W	ater-Bearing FM: 300	
Under Federal Jurisdiction: No	Fresh W	ater Supply Well Drilled: No	Surface Wat	er used to Drill: Yes	
PIT 1 INFORMATION		Approved Method for	or disposal of Drilling Fluids:		
Type of Pit System: CLOSED Close	ed System Means Steel Pits				
Type of Mud System: WATER BASE	D		D. One time land application (REQUIRES PERMIT) PERMIT NO: 19-36207		
Chlorides Max: 5000 Average: 3000		H. SEE MEMO			
Is depth to top of ground water greater Within 1 mile of municipal water well? Wellhead Protection Area? N	·				

#### 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 05 Twp 3N Rge 4W County GARVIN

Spot Location of End Point: NW NE NE SE
Feet From: SOUTH 1/4 Section Line: 2590
Feet From: EAST 1/4 Section Line: 375

Depth of Deviation: 12188 Radius of Turn: 803

Direction: 5

Total Length: 7000

Measured Total Depth: 20450

True Vertical Depth: 12932

End Point Location from Lease,
Unit, or Property Line: 375

Notes:

**MEMO** 

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

 $\hbox{2/4/2019-G71-PITS 1\&2-CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT\ 2-CLOSED SYSTEM SYST$ 

OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

X671379 SPRG 3 WELLS NO OP. NAMED

REC. 3/11/2019 (THOMAS)

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is SIX 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.

Category Description

PENDING CD - 201900589 3/13/2019 - GB1 - 8-3N-4W

X671680 SPRG 3 WELLS NO OP. NAMED

REC. 3/11/2019 (THOMAS)

PENDING CD - 201900590 3/12/2019 - GB1 - (I.O.) 5 & 8-3N-4W

EST MULTIUNIT HORIZONTAL WELL

X671680 SPRG 8-3N-4W X671679 SPRG 5-3N-4W

67% 8-3N-4W 33% 5-3N-4W

MARATHON OIL COMPANY REC. 3/11/2019 (THOMAS)

PENDING CD - 201900591 3/13/2019 - GB1 - (I.O.) 5 & 8-3N-4W

X671680 SPRG 8-3N-4W X671679 SPRG 5-3N-4W

COMPL. INT. (8-3N-4W) NCT 150' FSL, NCT 0' FNL, NCT 330' FEL, NCT 330' FWL COMPL. INT. (5-3N-4W) NCT 0' FSL, NCT 1320' FNL, NCT 330' FEL, NCT 330' FWL

MARATHON OIL COMPANY REC. 3/11/2019 (THOMAS)

PENDING CD - 201901835 4/1/2019 - GB1 - (E.O.) 5-3N-4W

X165:10-3-28(C)(2)(B) SPRG (BOWSER 0304 1-8-5SXH) MAY BE CLOSER THAN 600' TO YOSHI 0304 1-5-32SXH

MARATHON OIL COMPANY REC. 3/29/19 (MINMIER)

SPACING - 671679 3/12/2019 - GB1 - (640)(HOR) 5-3N-4W

EXT 658538/659832/663306 SPRG, OTHERS

COMPL. INT. NLT 660' FB

SPACING - 671680 3/12/2019 - GB1 - (640)(HOR) 8-3N-4W

EXT 658538/659832/663306 SPRG, OTHERS

COMPL. INT. NLT 660' FB

API 35-049-25282 Lawrenceville, GA 30043 GARVIN \_ COUNTY, OKLAHOMA 275' FNL - 975' FEL SECTION 17 TOWNSHIP 03N RANGE 04W I.M. X:2107544 Y:522430 SECTION 32 - T4N-R4W X:2104895 X:2110193 Y:522424 Y:522435 PROPOSED Ν BOTTOM HOLE 2,590'FSL-375'FEL NAD 27 (US FEET) N34°45'39.6" w97°38'03.8" N34.761012 W97.634387 X:2109815 X:2110189 Y:519748 Y:519803 X:2104911 Y:519790 PROPOSED S LAST TAKE POINT GEODETIC 2,475'FSL-375'FEL NAD-27 NAD 27 (US FEET) OK SOUTH N34°45'38.5" 2000' 1000 w97°38'03.8" N34.760696 W97.634384 X:2109816 Y:519633 X:2104928 X:2110219 Y:517159 Y:517155 517155 PROPOSED FIRST TAKE POINT 165'FSL-375'FEL NAD 27 (US FEET) N34°44'23.3" W97°38'03.3" N34.739819 W97.634250 X:2109884 Y:512036 X:2104947 X:2110240 Y:514515 PROPOSED SURFACE HOLE 275'FNL-975'FEL NAD 27 (US FEET) N34°44'19.0" W97°38'10.5" N34.738613 W97.636244 X:2109286 SECTION Y:511595 SECTION X:2104967 X:2110260 Y:511862 Y:511872 Y:511867 975' OPERATOR: MARATHON OIL COMPANY ELEVATION: 1,144' GR. AT STAKE NAVD88 LEASE NAME: BOWSER 0304 WELL NO .: 1-8-5SXH 1,141' 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 1540 AND OK HWY 76 APPROX. 2 MILES SOUTH OF ERIN SPRINGS, THENCE WEST ON GARVIN PAINT RD APPROX. 2 MILES, THEN SOUTH ON N3010 RD FOR 3.05 MILES, SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD. SULLING STATES DATE OF DRAWING: 1/10/19 ESSIONAL DATUM: NAD 27 18003616 DATE STAKED: 1/8/19 LAT: 34° 44' 19.0" N JOB NO.: \_ LONG: \_97° 38' 10.5" W LAT: 34.738613° N

I with a GPS root And I with a

LONG: 97.636244° W

ZONE: OK SOUTH

COORDINATES: (US FEET)

STATE PLANE

X: 2109286

Y: <u>5</u>11595

CERTIFICATE:

DAVID L. ANDERSON

Oklahoma Lic. No. <u>1927</u>

Surveyor and an authorized agent of Atwell, LLC, do

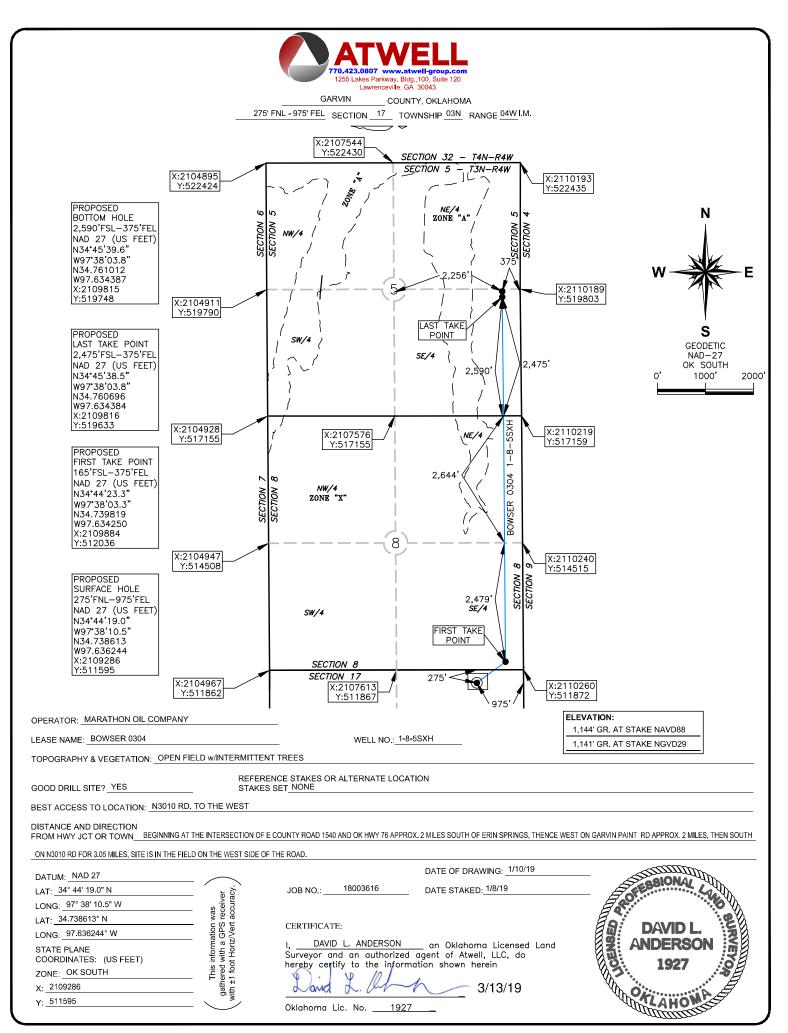
hereby certify to the information shown herein

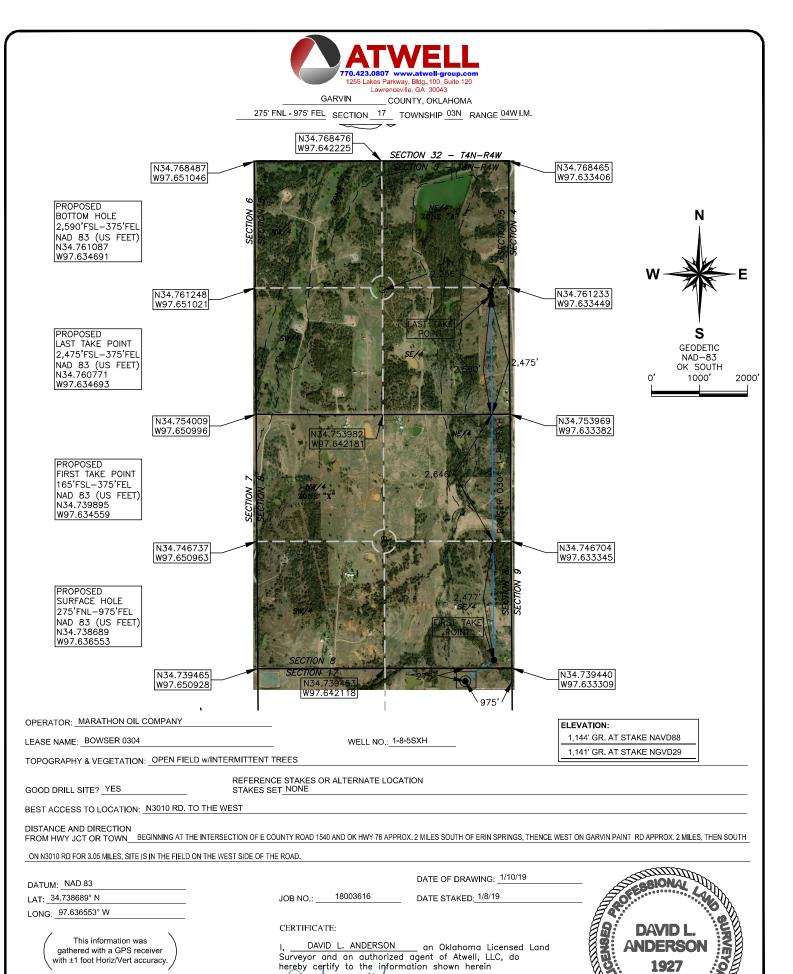
an Oklahoma Licensed Land

3/13/19

MAN

**DAVID I** 





3/13/19

Oklahoma Lic. No. <u>1927</u>

TOTAL AND S

1255 Lakes Parkway, Bldg.,100, S Lawrenceville, GA 30043 GARVIN COUNTY, OKLAHOMA 275' FNL - 975' FEL SECTION 17 TOWNSHIP 03N RANGE 04W I.M. N34.768476 W97.642225 SECTION 32 - T4N-R4W N34.768487 W97.651046 SECTION 5 T3N-R4W N34.768465 W97.633406 PROPOSED BOTTOM HOLE Ν ZONÉ 375 28ECTION 2,590'FSL-375'FEL NAD 83 (US FEET) N34.761087 W97.634691 ,256 E N34.761248 W97.651021 N34.761233 W97.633449 LAST TAKE PROPOSED POINT S SW/4 LAST TAKE POINT **GEODETIC** 2,475'FSL-375'FEL SE/4 NAD-83 2.475 NAD 83 (US FEET) N34.760771 OK SOUTH 2,590 1000' 2000' W97.634693 N34.754009 N34.753969 W97.650996 W97.633382 N34.753982 NE/4 W97.642181 1-8-PROPOSED FIRST TAKE POINT 2,646 0304 165'FSL-375'FEL NW/4 SECTION *10*√ NAD 83 (US FEET) N34.739895 ZONE "X" BOWSER W97.634559 V 8 N34.746737 W97.650963 N34.746704 W97.633345 SECTION PROPOSED 2,477 SE/4 SURFACE HOLE 275'FNL-975'FEL SW/4 NAD 83 (US FEET) N34.738689 FIRST TAKE POINT W97.636553 SECTION 8 SECTION 17 N34.739465 N34.739440 N34.739453 W97.650928 |W97.633309 W97.642118 OPERATOR: MARATHON OIL COMPANY ELEVATION: 1,144' GR. AT STAKE NAVD88 LEASE NAME: BOWSER 0304 WELL NO .: 1-8-5SXH 1,141' 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 1540 AND OK HWY 76 APPROX. 2 MILES SOUTH OF ERIN SPRINGS, THENCE WEST ON GARVIN PAINT RD APPROX. 2 MILES, THEN SOUTH ON N3010 RD FOR 3.05 MILES, SITE IS IN THE FIELD ON THE WEST SIDE OF THE ROAD. SIGNOVA DATE OF DRAWING: <u>1/10/</u>19 SESSIONAL OF DATUM: NAD 83 LAT: 34.738689° N JOB NO.: 18003616 DATE STAKED: 1/8/19 LONG: 97.636553° 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 3/13/19 OKLAHOW TOTAL Oklahoma Lic. No. <u>1927</u>

#### T3N - R4W (INDIAN MERIDIAN) FND. 1/2" I.R. N 1/4 CORNER FND. 1/2" I.R. FND. 1/2" I.R. NE CORNER NW CORNER SECTION 5 SECTION 5 SECTION 5 (F.A.R.) (F.A.R.) (F.A.R.) SECTION 32 - T4N-R4W SECTION 5 - T3N-R4W 101<sup>16</sup> **GEODETIC** ZONE NAD-83 W 1/4 CORNER OK SOUTH SECTION 5 BOTTOM HOLE FND. 1/2" I.R. 1000' 2000' (NOT FOUND) MARATHON OIL CO. E 1/4 CORNER SECTION 5 (REPORT CALLS' FOR 1/2" I.R. BOWSER 0304 (F.A.R.) w/CAP) LAST TAKE POINT MARATHON OIL CO. BOWSER 0304 1-8-5SXH SW/4 FND. 1/2" I.R. FND. 3/8" I.R. ( SE/4 \ SE CORNER SW CORNER SECTION 5 SECTION 5 (F.A.R.) (F.A.R.) FND. 1/2" I.R. -5SXH S 1/4 CORNER SECTION 5 (F.A.R.) NW/4 0304 ZONE "X" FND. 3/8" I.R. FND. 1/2" I.R. BOWSER W 1/4 CORNER E 1/4 CORNER SECTION 8 SECTION 8 (F.A.R.) (F.A.R.) 8 SECTION SECTION SW/4 FND. 3/8" I.R. FIRST TAKE POINT FND. 1/2" I.R. SW CORNER SECTION 8 MARATHON OIL CO. SE CORNER BOWSER 0304 1-8 SECTION 8 (F.A.R.) (F.A.R.) SECTION 8 SECTION 17 S 1/4 CORNER SECTION 8 (NOT FOUND) |SURFACE HOLE STATIONAL OFESSIONAL MARATHON OIL CO. BOWSER 0304 1-8-5SXH (NO REPORT) NOTES: 1. THE INFORMATION RELATED TO THE CORNERS OF SECTIONS SHOWN. HEREON IS APPROXIMATE AND SHOWN FOR INFORMATIONAL PURPOSES ONLY. NO SURVEYS OF PARCEL BOUNDARIES WERE PERFORMED, AND NO CERTIFICATION IS 3/13/19 MADE OF THE PEDIGREE OF THE CONTROL MONUMENTATION CALLED OUT IN THIS DOCUMENT. NO TITLE WORK WAS PROVIDED. RESEARCHED, OR REVIEWED IN THE COURSE OF PREPARING THIS DOCUMENT. THIS DOCUMENT IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. 1927 Oklahoma Lic. No. CONTROL MONUMENTATION FOR Marathon ( REV# DATE DESC. SECTION 5 & SECTION 8, T3N - R4W SCALE: 1" = 2000' Corporation. GARVIN COUNTY, OKLAHOMA DATE: 11/14/18

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.





- 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 BOWSER 0304 1-8-5SXH IN THE NE/4 OF SECTION 17, 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, ILC.





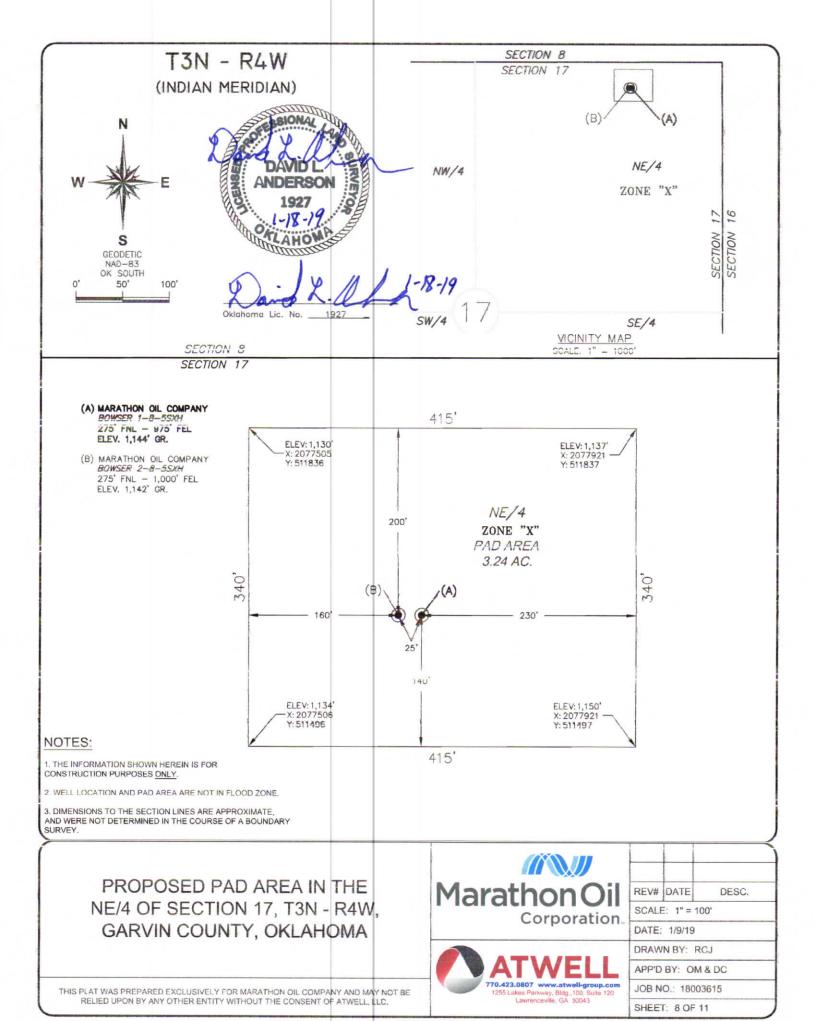
1	REV#	DATE	DESC.			
	SCALE: 1" = 200'					
	DATE: 1/9/19					
	DRAWN BY: RCJ					
	APP'D BY: OM & DC					
	JOB NO.: 18003615					

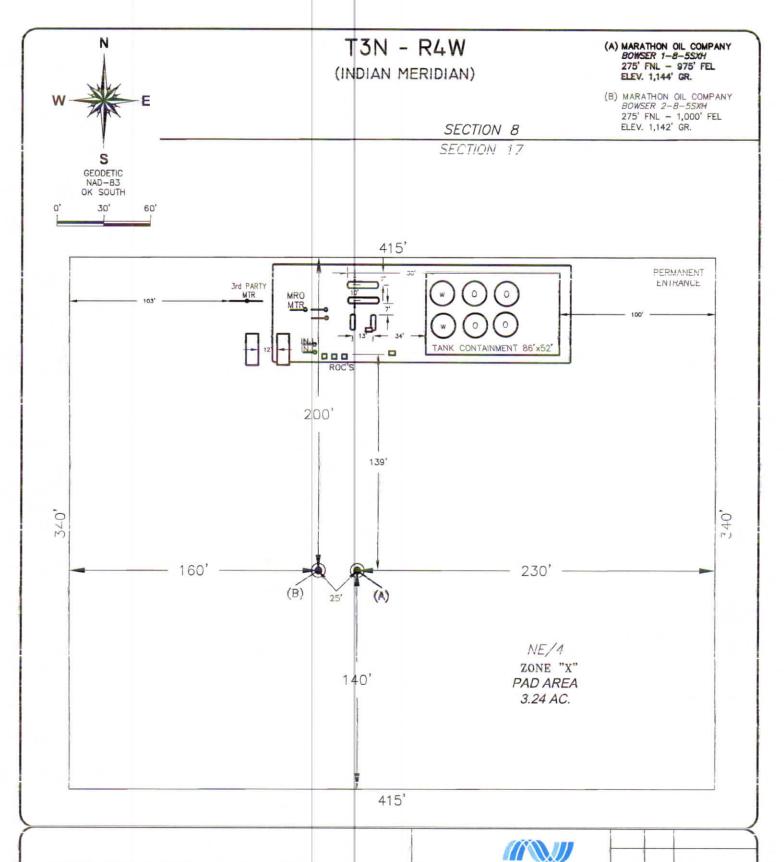
SHEET: 6 OF 11

# T3N - R4W (INDIAN MERIDIAN) (A) MARATHON OIL COMPANY BOWSER 1-8-5SXH 275' FNL - 975' FEL ELEV. 1,144' GR. (B) MARATHON UIL COMPANY BOWSER 2-8-5SXH 275' FNL - 1,000' FEL ELEV. 1,142' GR. SECTION 8 SECTION 17 NE/4 ZONE "X" PAD AREA 3.24 AC. GEODETIC NAD-83 OK SOUTH 100 200 NOTES: 1. THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY. 2. WELL LOCATION AND PAD AREA ARE NOT IN FLOOD ZONE. 2. Apr 1-18-19 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. Oklahoma Lic. No. 600' RADIUS OF A PROPOSED WELL AND PAD AREA FOR Marathon Oil REV# DATE DESC. BOWSER 0304 1-8-5SXH IN THE SCALE: 1" = 200' Corporation. NE/4 OF SECTION 17, T3N - R4W, DATE: 1/9/19

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.

GARVIN COUNTY, OKLAHOMA





DUAL WELL FACILITY LAYOUT IN THE NE/4 OF SECTION 17, T3N - R4W, GARVIN COUNTY, OKLAHOMA Marathon Oil Corporation



REV# DATE

SCALE: 1" = 60'

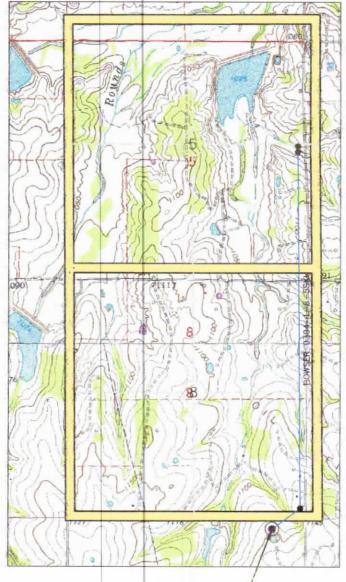
SHEET: 9 OF 11

ATWELL
770.423.0807 www.atwell-group.com
1255 Lakes Parkway, Edg., 100, Suite 120
Lawrenceville, GA 30045

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.

DESC.

## LOCATION & ELEVATION VERIFICATION MAP





BOWSER 0304 1-8-5SXH

SEC. 17 TWP. 3N RNG. 4W

COUNTY GARVIN STATE OK

OPERATOR MARATHON OIL COMPANY

DESCRIPTION 275' FNL - 975' FEL

LEASE BOWSER 0304 1-8-55XH

ELEVATION 1,144' GR. AT STAKE NAVD88 1,141' GR. AT STAKE NGVD29

U.S.G.S. TOPOGRAPHIC QUADRANGLE MAP\_\_\_\_

SLE MAP LINDSAY SW

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



17-Jan-2019 : 10:02 AM

