

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

API NUMBER: 017 25105

Approval Date: 11/09/2017

Expiration Date: 05/09/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 13N Rge: 7W

County: CANADIAN

SPOT LOCATION: ☐ NW ☐ NE ☐ NE ☐ NW

FEET FROM QUARTER: FROM NORTH FROM WEST

SECTION LINES: 283 2305

Lease Name: SIEGRIST 1307

Well No: 2-9MH

Well will be 283 feet from nearest unit or lease boundary.

Operator Name: MARATHON OIL COMPANY

Telephone: 7132962003

OTC/OCC Number: 1363 0

MARATHON OIL COMPANY
5555 SAN FELIPE ST
HOUSTON, TX 77056-2701

REDLANDS COMMUNITY COLLEGE
1300 SOUTH COUNTRY CLUB ROAD
EL RENO OK 73036

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	9062	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 647029

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703517
201703525
201703522

Special Orders:

Total Depth: 14736

Ground Elevation: 1247

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 250

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

E. Haul to Commercial pit facility: Sec. 31 Twn. 12N Rng. 8W Cnty. 17 Order No: 587498

Is depth to top of ground water greater than 10ft below base of pit? Y

H. SEE MEMO

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

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.

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 09 Twp 13N Rge 7W County CANADIAN

Spot Location of End Point: SE SW SE SW

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1870

Depth of Deviation: 8496

Radius of Turn: 750

Direction: 185

Total Length: 5062

Measured Total Depth: 14736

True Vertical Depth: 9879

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

Notes:

Category

Description

DEEP SURFACE CASING

11/2/2017 - 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

11/2/2017 - 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

MEMO

11/2/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

PENDING CD - 201703517

11/6/2017 - G58 - 9-13N-7W
X647029 MSSP
5 WELLS
NO OP NAMED
REC 6/26/2017 (DUNN)

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.

017 25105 SIEGRIST 1307 2-9MH

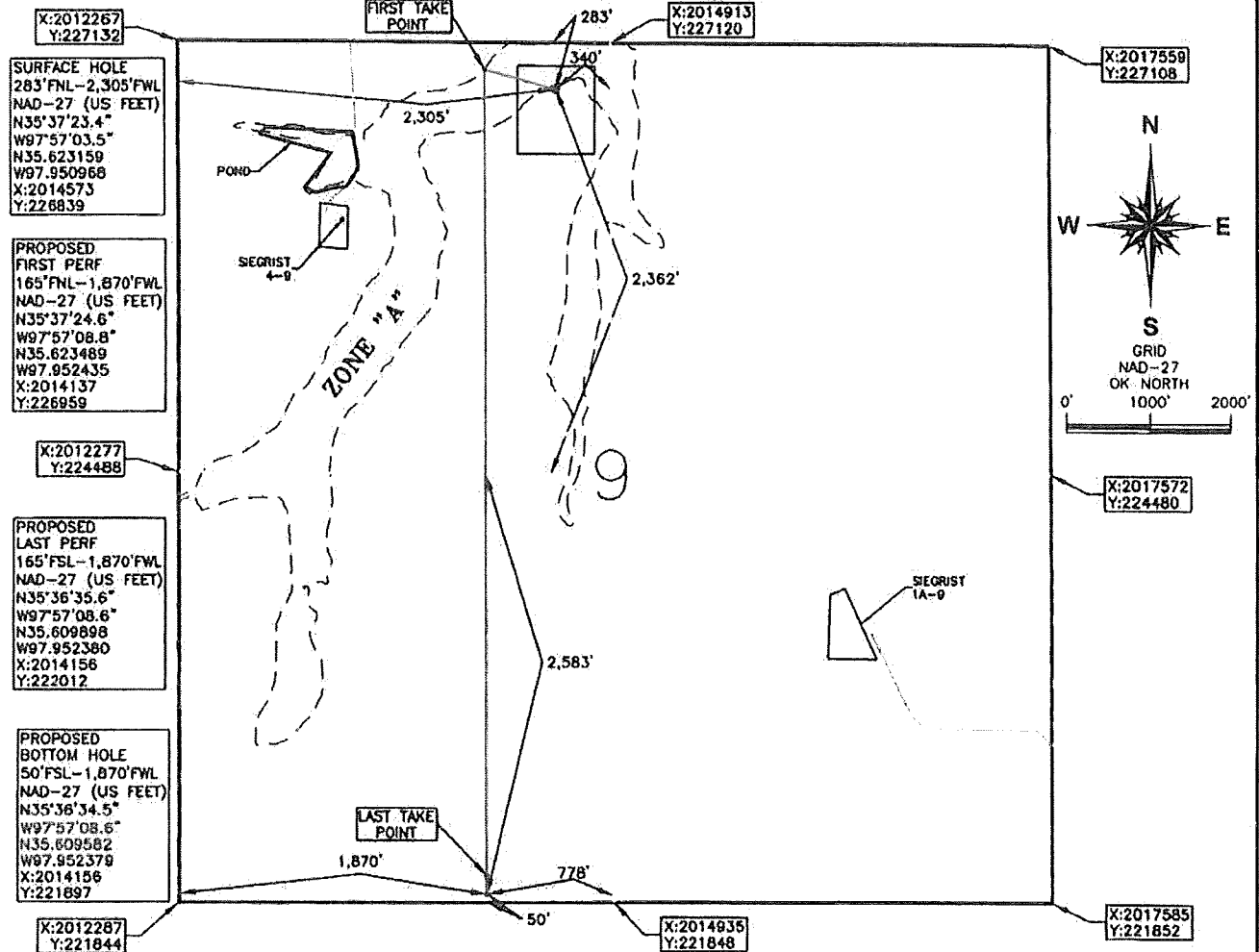
Category	Description
PENDING CD - 201703522	11/6/2017 - G58 - (I.O.) 9-13N-7W X165:10-3-28(C)(2)(B) MSSP (SIEGRIST 1307 2-9MH) MAY BE CLOSER THAN 600' TO SIEGRIST 9-3 MARATHON OIL COMPANY REC 6/26/2017 (DUNN)
PENDING CD - 201703525	11/6/2017 - G58 - (I.O.) 9-13N-7W X647029 MSSP COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC. 6/26/2107 (DUNN)
SPACING - 647029	11/6/2017 - G58 - (640) (HOR) 9-13N-7W EXT 634286 MSSP COMPL. INT. NLT 660' FB (COEXIST SP. ORDER # 137876 MCSTR, MSSP)

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Office of the Conservation Division as to when Surface Casing will be run.

017-25105



CANADIAN COUNTY OKLAHOMA
283 FNL - 2305 FWL SECTION 9 TOWNSHIP 13N RANGE 7W 1M

OPERATOR MARATHON OIL COMPANYLEASE NAME SIEGRIST 1307WELL NO. 2-9MTOPOGRAPHY & VEGETATION CULTIVATED PASTURE

ELEVATION:

1 250' GR. AT STAKE NAVD88

1 247' GR. AT STAKE NGVD29

GOOD DRILL SITE? YESREFERENCE STAKES OR ALTERNATE LOCATION:
STAKES SET NONEBEST ACCESS TO LOCATION: US HWY 81 TO THE WEST

DISTANCE AND DIRECTION FROM HWY JCT OR TOWN: BEGINNING AT THE INTERSECTION OF US HWY 81 AND SUNSET DR. IN THE TOWN OF EL REIN, OK. DRIVE NORTH ON US HWY 81 FOR APPROX. 6.4 MILES.
MILES TO THE INTERSECTION WITH NE 150th ST. THEN PROCEED APPROX. 2300 FEET EAST AND THE SITE IS IN A FIELD ON THE SOUTH SIDE OF THE ROAD.

DATUM NAD 27LAT 35° 37' 23.4" NLONG 97° 57' 03.5" WLAT 35 623159" NLONG 97 950958" W

STATE PLANE

COORDINATES (US FEET)

ZONE OK NORTHX 2014573Y 226839

This information was
gathered with a GPS receiver
with ±1 foot horizontal accuracy

JOB NO. 17C01337DATE OF DRAWING 05-17-17DATE STAKED 05-12-17

CERTIFICATE

I, DAVID L. ANDERSON, an Oklahoma Licensed Land Surveyor and an authorized agent of Atwell, LLC, do hereby certify to the information shown herein.

Oklahoma Lic. No. 192705-19-17