

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

API NUMBER: 051 24221

Approval Date: 11/17/2017

Expiration Date: 05/17/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 36 Twp: 6N Rge: 5W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 456 340

Lease Name: DOGFISH

Well No: 1-31-30-MXHR

Well will be 340 feet from nearest unit or lease boundary.

Operator Name: CASILLAS OPERATING LLC

Telephone: 9185825310

OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC
PO BOX 3668
TULSA, OK 74101-3668

JAYSON S. & PAULA M. VEACH
708 COTTONWOOD ROAD
CHICKASHA OK 73108

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

	Name	Depth	Name	Depth
1	MISSISSIPPIAN	11399	6	
2	WOODFORD	11559	7	
3			8	
4			9	
5			10	

Spacing Orders: 667103

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201703974
201703975

Special Orders:

Total Depth: 21930

Ground Elevation: 1152

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 340

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

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

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 17-33464

H. SEE MEMO

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: 360000 Average: 300000

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 30 Twp 6N Rge 4W County MCCLAIN

Spot Location of End Point: N2 N2 N2 NW

Feet From: NORTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 1320

Depth of Deviation: 10992

Radius of Turn: 573

Direction: 10

Total Length: 10038

Measured Total Depth: 21930

True Vertical Depth: 11559

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

Notes:

Category

Description

DEEP SURFACE CASING

11/15/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

11/15/2017 - 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

11/15/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201703974

11/17/2017 - G75 - (I.O.) 31 & 30-6N-4W
EST MULTIUNIT HORIZONTAL WELL
X667103 MSSP, WDFD
(WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO MSSP)
50% 31-6N-4W
50% 30-6N-4W
NO OP. NAMED
REC 7-18-2017 (JOHNSON)

This permit does not address the right of entry or settlement of surface damages.

051 24221 DOGFISH 1-31-30-MXHR

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 - 201703975	11/17/2017 - G75 - (I.O.) 31 & 30-6N-4W X667103 MSSP, WDFD, OTHER COMPL. INT. (31-6N-4W) NCT 165' FSL, NCT 0' FNL, NCT 330' FWL COMPL. INT. (30-6N-4W) NCT 0' FSL, NCT 165' FNL, NCT 330' FWL NO OP. NAMED REC 7-18-2017 (JOHNSON)
SPACING - 667103	11/17/2017 - G75 - (640)(HOR) 31 & 30-6N-4W EST MSSP, WDFD, OTHER POE TO BHL (MSSP) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER # 604782 MSSP, WDFD)

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

API 051-24221

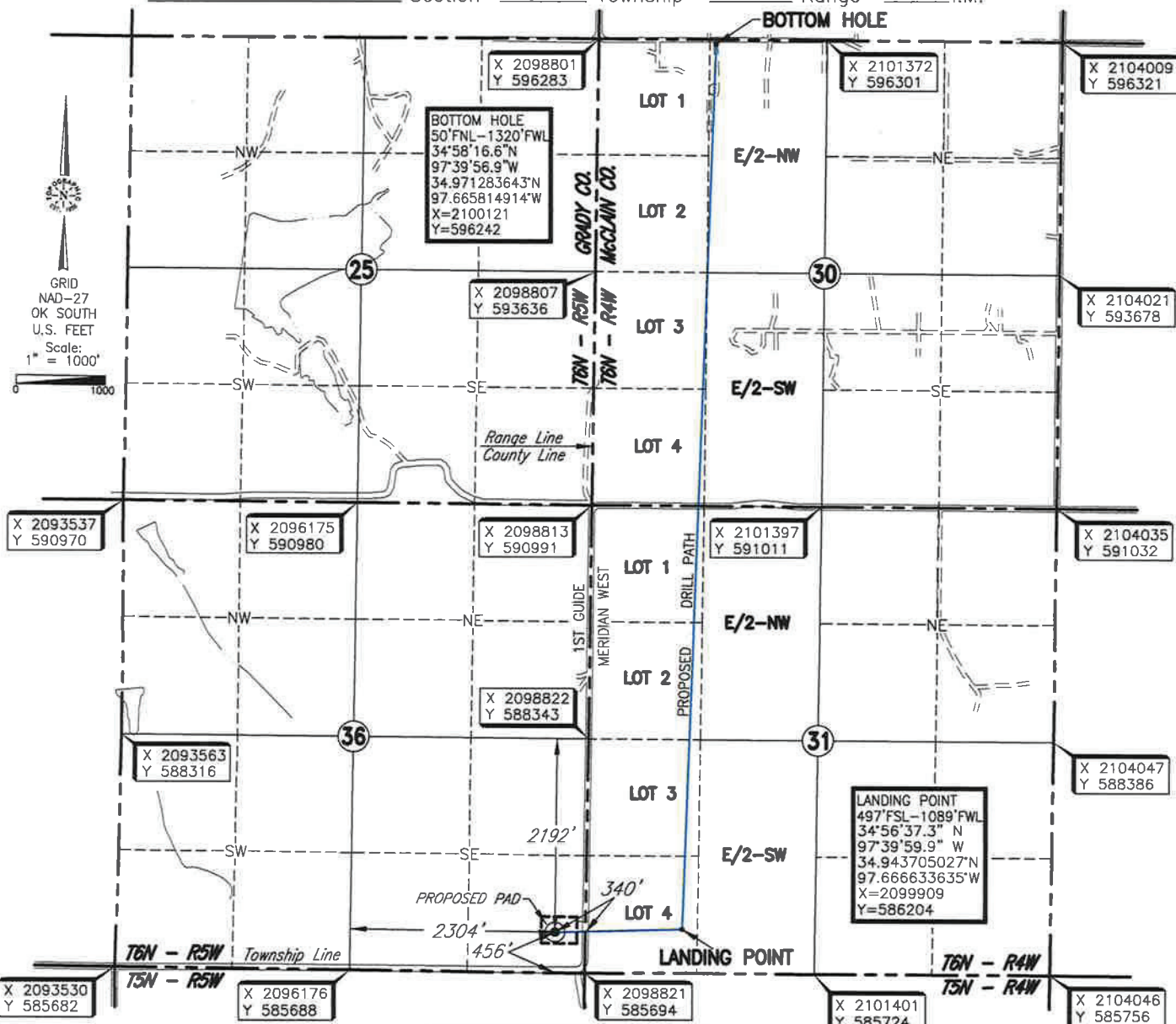
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

456'FSL - 340'FEL Section 36 Township 6N Range 5W I.M.

BOTTOM HOLE



Operator: CASILLAS OPERATING, LLC

Lease Name: DOGFISH

Well No.: 1-31-30MXHR

Topography & Vegetation Conductor pipe on level pad

Good Drill Site? Yes

Reference Stakes or Alternate Location

Stakes Set None

Best Accessibility to Location From East off county road.

Distance & Direction

from Hwy Jct or Town From Jct. of St. Hwy. 76 N-S and St. Hwy. 39 E-W, go ±6 miles South on St. Hwy. 76, then ±2.5 miles West, then ±1 mile South to the SE corner of Section 36, T16N - R5W.

Revision ☒ A

Date of Drawing: Nov. 16, 2017

Invoice # 284352

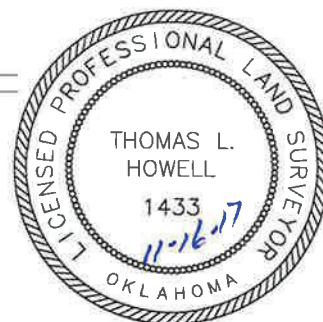
Date Staked: Nov. 16, 2017

AC

CERTIFICATE:

I, Thomas L. Howell, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

Thomas L. Howell
Oklahoma Lic. No. 1433



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

DATUM: NAD-27
LAT: 34°56'36.8"N
LONG: 97°40'17.1"W
LAT: 34.943567121°N
LONG: 97.671403128°W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK SOUTH
X: 2098480
Y: 586149