

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

API NUMBER: 049 25179

Approval Date: 01/10/2018

Expiration Date: 07/10/2018

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 4N Rge: 4W

County: GARVIN

SPOT LOCATION: ☐ NW ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 500 2440

Lease Name: AVERY

Well No: 1-9-16MXH

Well will be 500 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

MARGARET M. FALLON

P.O. BOX 425

LINDSAY OK 73052

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

	Name	Depth	Name	Depth
1	SYCAMORE	9417	6	
2	WOODFORD	9572	7	
3			8	
4			9	
5			10	

Spacing Orders: 671622
671623
671917

Location Exception Orders: 671624

Increased Density Orders:

Pending CD Numbers: 201605199

Special Orders:

Total Depth: 20004

Ground Elevation: 989

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 260

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 ALLUVIAL

Pit Location Formation: ALLUVIUM

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

PERMIT NO: 17-33584

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: 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

HORIZONTAL HOLE 1

Sec 16 Twp 4N Rge 4W County GARVIN

Spot Location of End Point: S2 S2 S2 S2

Feet From: SOUTH 1/4 Section Line: 50

Feet From: WEST 1/4 Section Line: 2640

Depth of Deviation: 8733

Radius of Turn: 583

Direction: 183

Total Length: 10355

Measured Total Depth: 20004

True Vertical Depth: 10009

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

Notes:

Category

Description

DEEP SURFACE CASING

12/14/2017 - 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

12/14/2017 - 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

LOCATION EXCEPTION - 671624

12/28/2017 - G57 - (E.O.) 9 & 16-4N-4W
X671622 SCMR, WDFD 9-4N-4W
X671917 SCMR, WDFD 16-4N-4W
X165:10-3-28(C)(2)(B) MAY BE CLOSER THAN 600' TO EXISTING WELLBORE
COMPL. INT. (9-4N-4W) NCT 165' FNL, NCT 0' FSL, NCT 1320' FEL, NCT 1320' FWL
COMPL. INT. (16-4N-4W) NCT 0' FNL, NCT 165' FSL, NCT 1320' FEL, NCT 1320' FWL
NO OP. NAMED
12-29-2017

MEMO

12/14/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

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

049 25179 AVERY 1-9-16MXH

The duration of this permit is SIX MONTHS, except as otherwise provided by Rule 165: 10-3-1.

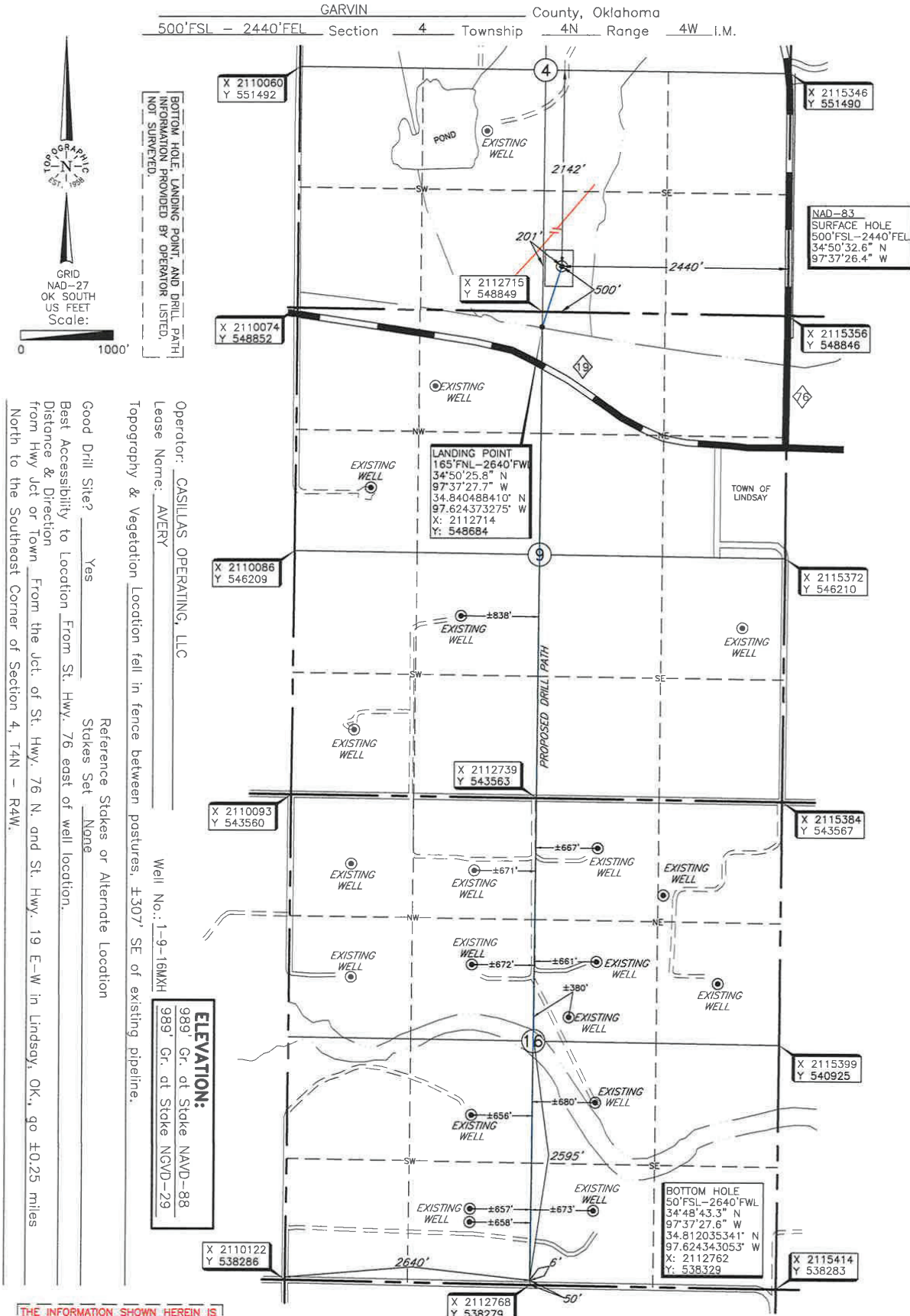
Rule 165: 10-3-4 (c) (7) (e) - The Operator shall give 24 Hours notice by telephone to the appropriate District Office of the Conservation Division as to when Surface Casing will be run.

Category	Description
SPACING - 671622	12/22/2017 - G57 - (E.O.)(640)(HOR) 9-4N-4W EXT 663577 SCMR, WDFD POE TO BHL (SCMR) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #332047 SCMR, #508747 WDFD, #573707 WDFD, #386703 SCMR) 12-29-2017
SPACING - 671623	12/22/2017 - G57 - (E.O.) 9 & 16-4N-4W EST MULTIUNIT HORIZONTAL WELL X671622 SCMR, WDFD 9-4N-4W X671917 SCMR, WDFD 16-4N-4W (WDFD ASSOCIATED COMMON SOURCE OF SUPPLY TO SCMR) 50% 9-4N-4W 50% 16-4N-4W CASILLAS PETROLEUM RESOURCE PARTNERS, LLC. 12-29-2017
SPACING - 671917	12/22/2017 - G57 - (E.O.)(640)(HOR) 16-4N-4W EST SCMR, WDFD, OTHERS POE TO BHL (SCMR) NCT 660' FB POE TO BHL (WDFD) NCT 165' FNL & FSL, NCT 330' FEL & FWL (COEXIST SP. ORDER #286673 SCMR, WDFD) 1-9-2018
WATERSHED STRUCTURE	12/14/2017 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-7233 PRIOR TO DRILLING

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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.



DATUM: NAD-27
LAT: 34°50'32.3" N
LONG: 97°37'25.3" W
LAT: 34.842313173" N
LONG: 97.623700294" W
STATE PLANE COORDINATES (US FEET):
ZONE: OK SOUTH
X: 2112914
Y: 549349

Invoice # 279687 Date of Drawing: Aug. 04, 2017
Date Staked: Aug. 03, 2017 JGW

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

