

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

API NUMBER: 049 25218

Approval Date: 08/28/2018
Expiration Date: 02/28/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 4N Rge: 3W County: GARVIN
SPOT LOCATION: SW SW SE SE FEET FROM QUARTER: FROM SOUTH FROM EAST
SECTION LINES: 317 1021

Lease Name: SIERRA Well No: 1-32-29WXH Well will be 317 feet from nearest unit or lease boundary.
Operator Name: CASILLAS OPERATING LLC Telephone: 9185825310 OTC/OCC Number: 23838 0

CASILLAS OPERATING LLC
401 S BOSTON AVE STE 2400
TULSA, OK 74103-4060

MILDRED MILLER & WILLIAM MILLER
17170 E. COUNTY ROAD 1540
LINDSAY OK 73052

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

Name	Depth	Name	Depth
1 WOODFORD	9581	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201803995
201805910
201804001

Special Orders:

Total Depth: 20100 Ground Elevation: 1055 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 290

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

PIT 1 INFORMATION

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 18-35248

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 not located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is NON HSA

Pit Location Formation: BISON

HORIZONTAL HOLE 1

Sec 29 Twp 4N Rge 3W County GARVIN

Spot Location of End Point: NE NE NW NE

Feet From: NORTH 1/4 Section Line: 50

Feet From: EAST 1/4 Section Line: 1370

Depth of Deviation: 8986

Radius of Turn: 573

Direction: 357

Total Length: 10214

Measured Total Depth: 20100

True Vertical Depth: 9581

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

Notes:

Category

Description

DEEP SURFACE CASING

8/27/2018 - 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

8/27/2018 - 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

8/27/2018 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

PENDING CD - 201803995

8/28/2018 - G75 - (640)(HOR) 32 & 29-4N-3W
VAC 397564 WDFD S2 29-4N-3W
EXT 660818 WDFD
COMPL. INT. NLT 165' FNL & FSL, NLT 330' FEL & FWL
(COEXIST SP. ORDER # 383342 WDFD N2 & ORDER # 382321 WDFD E2 SW4 32-4N-3W)
REC 7-24-2018 (JOHNSON)

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 - 201804001	<p>8/28/2018 - G75 - (I.O.) 32 & 29-4N-3W EST MULTIUNIT HORIZONTAL WELL X201804001 WDFD ** 50% 32-4N-3W 50% 29-4N-3W NO OP. NAMED REC 7-24-2018 (JOHNSON)</p> <p>** S/B X201803995 WDFD; TO BE CORRECTED IN ORDER SUBMITTED TO OCC FOR REVIEW PER ATTORNEY FOR OPERATOR</p>
PENDING CD - 201805910	<p>8/28/2018 - G75 - (I.O.) 32 & 29-4N-3W X201803995 WDFD COMPL. INT. (32-4N-3W) NCT 165' FSL, NCT 0' FNL, NCT 330' FEL COMPL. INT. (29-4N-3W) NCT 0' FSL, NCT 165' FNL, NCT 330' FEL NO OP. NAMED REC 8-21-2018 (DUNN)</p>
WATERSHED STRUCTURE	<p>8/27/2018 - G71 - WELL WITHIN 1/2 MILE OF AN OKLAHOMA CONSERVATION COMMISSION WATERSHED STRUCTURE. CONTACT THE LOCAL CONSERVATION DISTRICT OFFICE AT (405) 238-6767 PRIOR TO DRILLING</p>

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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.



Well Location Plat

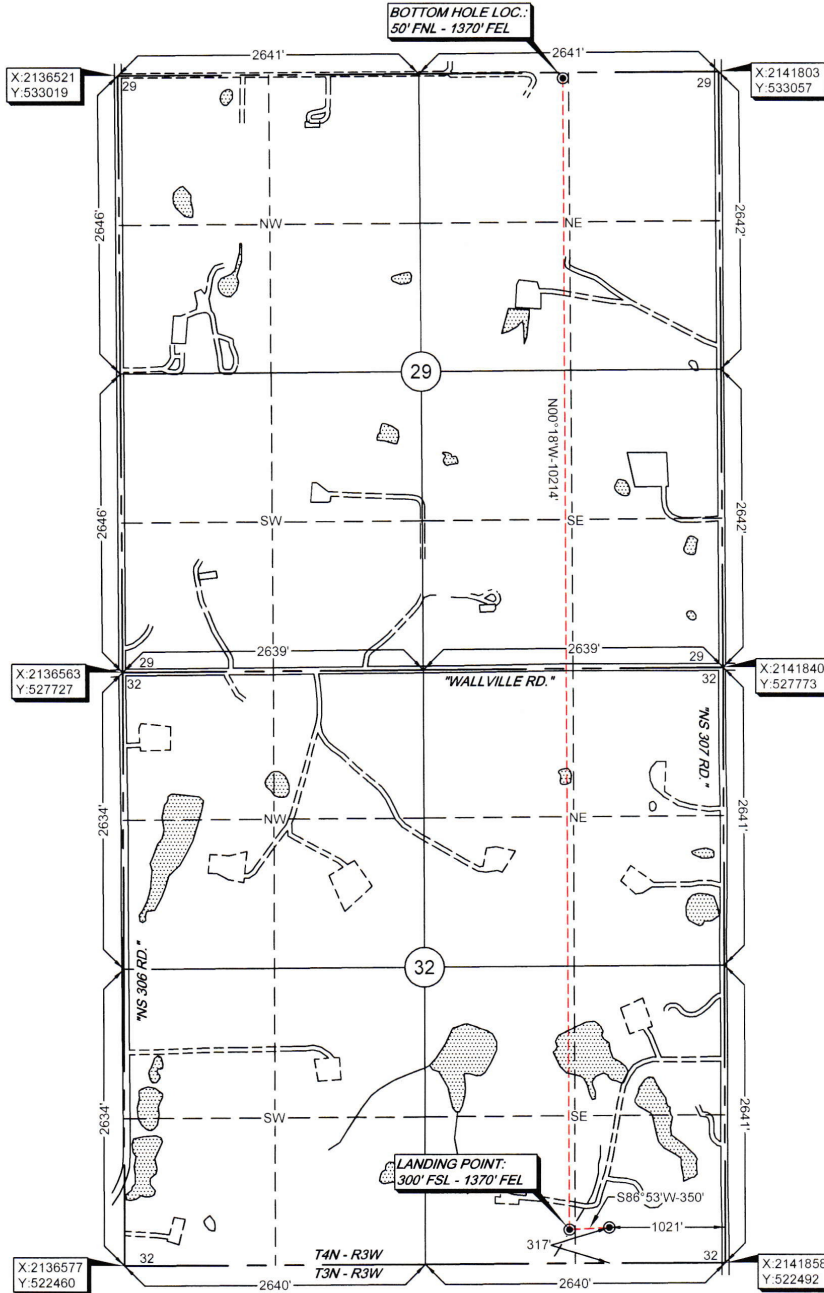
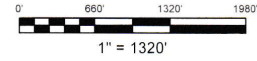
S.H.L. Sec. 32-4N-3W I.M.
B.H.L. Sec. 29-4N-3W I.M.

Operator: CASILLAS PETROLEUM CORP.
Lease Name and No.: SIERRA 1-32-29 WXH
Footage: 317' FSL - 1021' FEL Gr. Elevation: 1055'
Section: 32 Township: 4N Range: 3W I.M.
County: Garvin State of Oklahoma
Terrain at Loc.: Location fell in an open pasture.

API 049-25218



All bearings shown
are grid bearings.



GPS DATUM
NAD 27
OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°46'08.58"N
Lon: 97°31'51.81"W
Lat: 34.76905114
Lon: -97.53105935
X: 2140836
Y: 522802

Landing Point:
Lat: 34°46'08.41"N
Lon: 97°31'56.00"W
Lat: 34.76900325
Lon: -97.53222275
X: 2140487
Y: 522783

Bottom Hole Loc.:
Lat: 34°47'49.45"N
Lon: 97°31'56.08"W
Lat: 34.79706860
Lon: -97.53224435
X: 2140433
Y: 532997

I/We hereby certify that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, and the accuracy of this survey is based on the survey data shown hereon. If any inconsistency is determined, GPS data as obtained from RTK - GPS is to be used. NOTE: X and Y data shown hereon for Section Corners may NOT have been surveyed on-the-ground, and further, does NOT represent a true Boundary Survey. Quarter Section distances may be assumed from a Government Survey Plat on which this section is located. This plat is not a true Boundary Survey Plat and does not represent a true boundary survey.

Survey and plat by:
Arkoma Surveying and Mapping, PLLC
P.O. Box 238 Wilburton, OK 74578
Ph. 918-465-5711 Fax 918-465-5030
Certificate of Authorization No. 5348
Expires June 30, 2020

Invoice #7762
Date Staked: 04/05/18 By: B.M.
Date Drawn: 04/09/18 By: C.K.
Added BHL: 07/23/18 By: J.K.
Added LP: 07/30/18 By: J.D.

Certification:
This is to certify that this Well Location Plat represents the results of a survey made on the ground performed under the supervision of the undersigned.

Lance G. Mathis 07/30/18
LANCE G. MATHIS OK LPLS 1664

