

API NUMBER: 093 25122 A

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

Approval Date: 04/25/2022
Expiration Date: 10/25/2023

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Section: 28 Township: 20N Range: 15W County: MAJOR

SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 280 1360

Lease Name: CHARLESTON 2015 Well No: 3-33H Well will be 280 feet from nearest unit or lease boundary.
Operator Name: SANDRIDGE EXPLORATION & PRODUCTION Telephone: 4052092407 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC
1 E SHERIDAN AVE #500
OKLAHOMA CITY, OK 73104-2496

THE UNWIN FAMILY TRUST
861 COUNTY ROAD R
PLAINVIEW TX 79072

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

Name	Code	Depth
1 MISS'AN LM	359MPLM	9300

Spacing Orders: 125423

Location Exception Orders: No Exceptions

Increased Density Orders: No Density

Pending CD Numbers: 202200985
202200984

Working interest owners' notified: ***

Special Orders: No Special

Total Depth: 14500 Ground Elevation: 1700

Surface Casing: 800

Depth to base of Treatable Water-Bearing FM: 380

Deep surface casing has been approved

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

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 22-38238

H. (Other)

SEE MEMO

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 8000 Average: 5000

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

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: AP/TE DEPOSIT

Pit Location Formation: TERRACE

This permit does not address the right of entry or settlement of surface damages. The duration of this permit is 18 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.

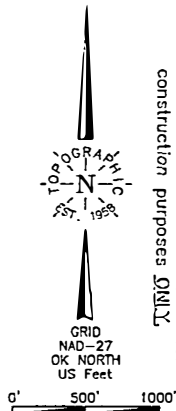
HORIZONTAL HOLE 1

Section: 33	Township: 20N	Range: 15W	Meridian: IM	Total Length: 4312
County: DEWEY				Measured Total Depth: 14688
Spot Location of End Point: S2	S2	SE	SW	True Vertical Depth: 9422
Feet From: SOUTH	1/4 Section Line: 150		End Point Location from	
Feet From: WEST	1/4 Section Line: 1980		Lease, Unit, or Property Line: 150	

NOTES:

Category	Description
DEEP SURFACE CASING	4/25/2022 - GC2 - 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	<p>[4/20/2022 - GC2] - OCC 165:10-3-10 REQUIRES:</p> <p>1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;</p> <p>2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS. FORM 6000NHF SHALL BE USED AND IS FOUND AT THIS LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG</p>
INTERMEDIATE CASING	4/25/2022 - GC2 - DUE TO THE KNOWN POTENTIAL RISK OF ENCOUNTERING AN OVER-PRESSURED ZONE IN THE MORROW SERIES IN THIS AREA, THE TECHNICAL MANAGER RECOMMENDS SETTING AN INTERMEDIATE STRING OF CASING IMMEDIATELY ABOVE THE MORROW SERIES
MEMO	[4/20/2022 - GC2] - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
PENDING CD - 202200984	<p>4/25/2022 - G56 - 33-20N-15W</p> <p>X125423 MPLM</p> <p>1 WELL</p> <p>NO OP. NAMED</p> <p>REC 4/11/2022</p>
PENDING CD - 202200985	<p>4/25/2022 - G56 - (I.O.) 33-20N-15W</p> <p>X125423 MPLM</p> <p>COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 660' FWL</p> <p>NO OP. NAMED</p> <p>REC 4/11/2022 (MILLER)</p>
SPACING - 125423	<p>4/25/2022 - G56 - (640) 33-20N-15W</p> <p>EXT OTHER</p> <p>EXT 78076/120278 MPLM, OTHERS</p>

MAJOR County, Oklahoma
280' FSL - 1360' FWL Section 28 Township 20N Range 15W I.M.

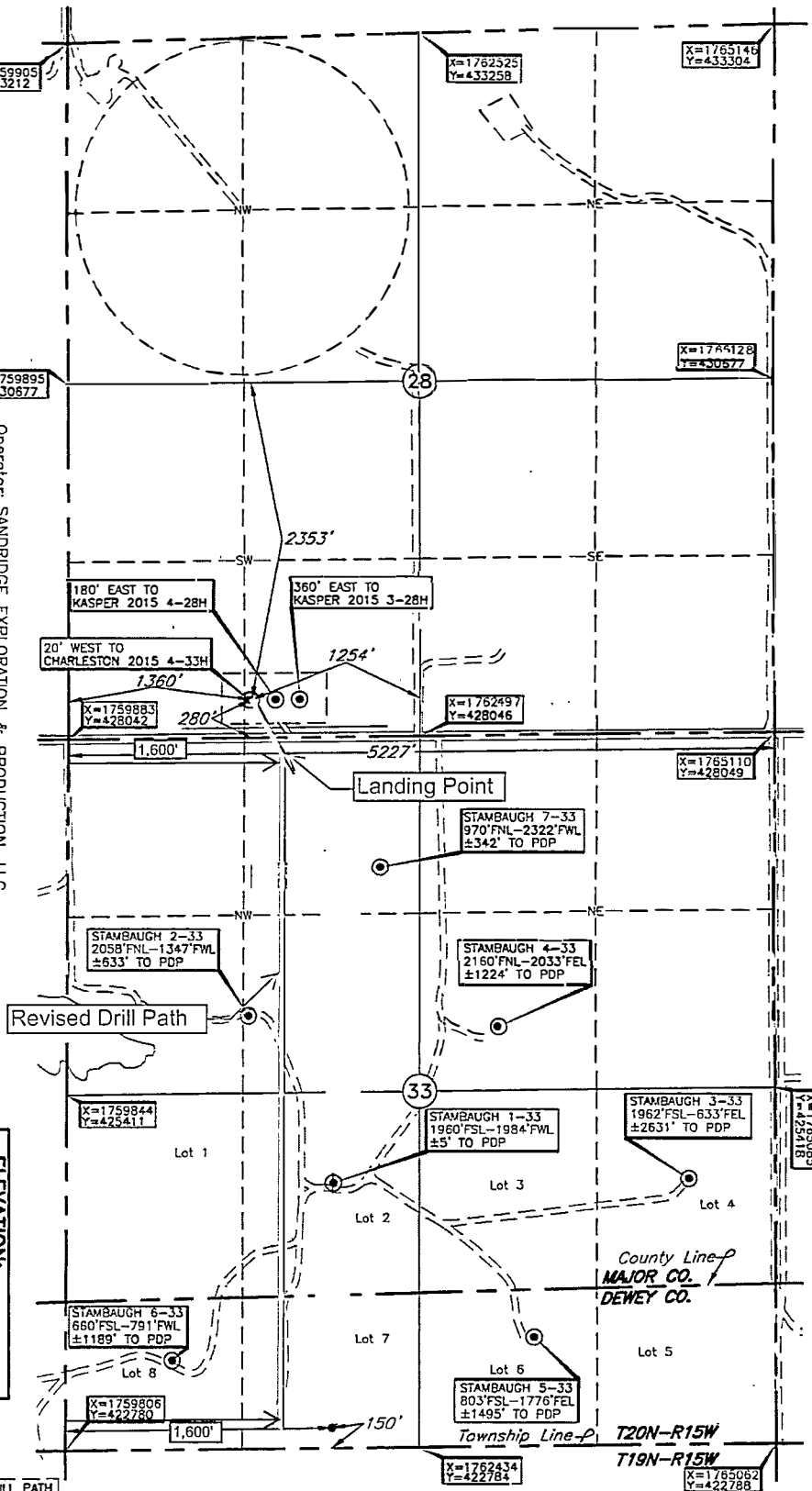


NOTE:
The information shown herein is for construction purposes ONLY.

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC
Lease Name: CHARLESTON 2015
Topography & Vegetation Loc. fell in rolling pasture, $\pm 206'$ North of pipeline
Well No.: 3-33H
ELEVATION: 1700' Gr. at Stake

Good Drill Site? ☐ Yes
Reference Stakes or Alternate Location
Stakes Set ☐ None

Best Accessibility to Location From South off county road
Distance & Direction From Sealing, OK, go ± 2.5 mi. North on US Hwy. 281, then ± 4.0 mi. East on county road, then ± 1.0 mi. South, then ± 2.0 mi. East to the SW Cor. of Sec. 28-T20N-R15W



LANDING POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

DATUM: NAD-27
LAT: 36°10'26.2"N
LONG: 98°48'32.2"W
LAT: 36.173952801° N
LONG: 98.808936518° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1761244
Y: 428324

Date of Drawing: Jan. 02, 2018
Invoice # 286420 Date Staked: Dec. 28, 2017

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

