

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

API NUMBER: 047 25002

Approval Date: 02/02/2015
Expiration Date: 08/02/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 29 Twp: 24N Rge: 8W County: GARFIELD
SPOT LOCATION: FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 200 1320

Lease Name: DOWERS 2408 Well No: 1-29/20H Well will be 200 feet from nearest unit or lease boundary.

Operator Name: SANDRIDGE EXPLORATION & PRODUCTION LLC Telephone: 4054296169 OTC/OCC Number: 22281 0

SANDRIDGE EXPLORATION & PRODUCTION LLC
123 ROBERT S KERR AVE STE 1702
OKLAHOMA CITY, OK 73102-6406

JOHN DOWERS FAMILY TRUST
PO BOX 5676
ENID OK 73702

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 634904

Location Exception Orders: 635896

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 16897

Ground Elevation: 1364

Surface Casing: 1500

Depth to base of Treatable Water-Bearing FM: 350

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: 10000 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 BED AQUIFER

Pit Location Formation: CEDAR HILLS

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-29193
E. Haul to Commercial pit facility: Sec. 15 Twn. 24N Rng. 7W Cnty. 47 Order No: 623842
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 20 Twp 24N Rge 8W County GARFIELD

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 150

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 6300

Radius of Turn: 749

Direction: 353

Total Length: 9420

Measured Total Depth: 16897

True Vertical Depth: 6300

End Point Location from Lease,
Unit, or Property Line: 150

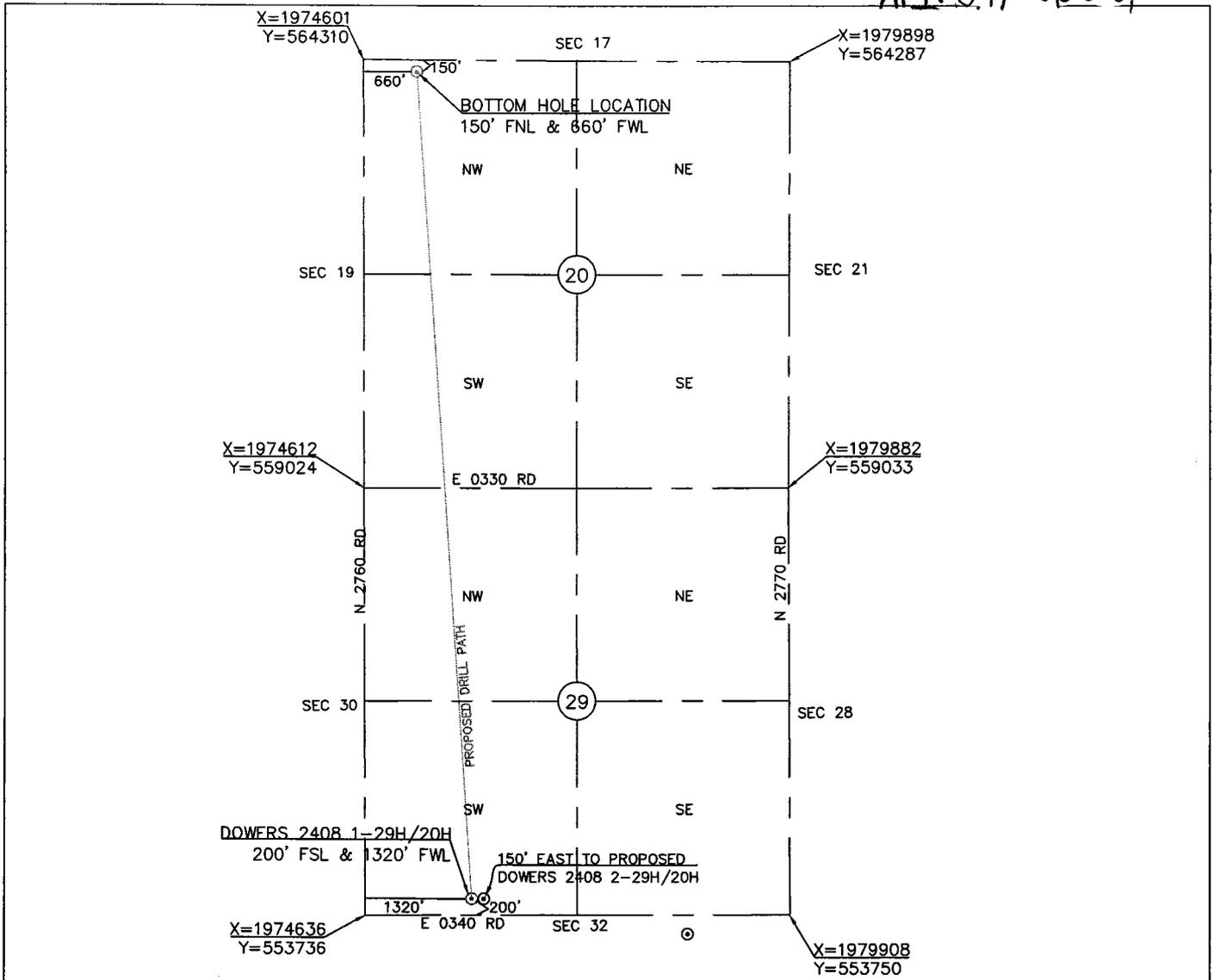
Notes:

Category	Description
DEEP SURFACE CASING	2/2/2015 - G71 - APPROVED CONTINGENT ON NOTIFYING OCC FIELD STAFF IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
LOCATION EXCEPTION - 635896	2/2/2015 - G91 - (I.O.) W2 20 & W2 29-24N-8W X634904 MSSP COMPL. INT NCT 150 FSL, NCT 150 FNL, NCT 560 FWL SANDRIDGE EXPLOR. & PROD., LLC. 1-30-2015
SPACING - 634904	2/2/2015 - G91 - (640)(IRR)(HOR) 20 & 29-24N-8W SU EST MSSP, OTHERS POE TO BHL NCT 660' FB VAC 156704 CSTR, MNNG, OTHERS (SEC 20) VAC 265879 MSSLM VAC 207587 MGCST, OTHERS VAC 156704 MSSLM (SEC 29)

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047 25002 DOWERS 2408 1-29/20H

APT. 047-25089



- NOTES**
1. This plat is not to be relied upon as a boundary survey.
 2. Information on this plat was gathered using GPS data having sub-meter accuracy.

BOTTOM HOLE LOCATION
 DATUM: NAD-27 (US FEET)
 LAT: 36°32'59.2"
 LONG: 98°05'03.2"
 LAT: 36.5497901
 LONG: 98.0842200
 X: 1975261
 Y: 564157
 BOTTOM HOLE INFORMATION PROVIDED BY OPERATOR AND WAS NOT SURVEYED IN THE FIELD

OPERATOR: SANDRIDGE ENERGY, INC
 WELL: DOWERS 2408 1-29H/20H
 ELEVATION: 1364'
 TOPOGRAPHY & VEGETATION: LOCATION FELL IN OPEN FIELD-FARM LAND
 LOCATION ACCESSIBILITY: FROM SOUTH OFF COUNTY ROAD

CERTIFICATE
 I, TROY DEE, AN OKLAHOMA LICENSED SURVEYOR DO HEREBY CERTIFY THAT THE ABOVE DESCRIBED WELL LOCATION WAS SURVEYED AND STAKED ON THE GROUND AS SHOWN HEREON.



Troy Dee
 OKLAHOMA LICENSE NO. 1745

DIRECTIONS FROM TOWN, JCT, OR HWY:
 FROM CARRIER, OK GO 3 MI. NORTH ON OK-132, THEN 3 MI. WEST TO SE/COR OF SECTION 29

SURVEY PROVIDED BY:
 TROY DEE, R.P.L.S #1745
 23255 N. BRIARWOOD DR.
 EDMOND, OK 73025

*NO ALTERNATE LOCATION OR REFERENCE STAKES SET

DRAWING DATE: 11.21.14	DATUM: NAD-27 LAT: 36°31'18.2"	STATE PLANE COORDINATES		WELL NAME: DOWERS 2408 1-29H/20H
DATE STAKED: 11.20.14	LONG: 98°04'54.6"	ZONE: OK NORTH		GARFIELD COUNTY, OKLAHOMA
JOB # SD140260	LAT: 36.5217222 LONG: 98.0818333	X: 1975956 Y: 553942		TOWNSHIP 24 NORTH, RANGE 8 WEST I.M.