

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

API NUMBER: 047 24940

Approval Date: 09/30/2014
Expiration Date: 03/30/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 15 Twp: 24N Rge: 7W County: GARFIELD
SPOT LOCATION: SW SW SE SW FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 200 1500

Lease Name: CARLSON TRUST 2407 Well No: 2-15H 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

GRAY MUD DISPOSAL, LLC
BOX 283
KREMLIN OK 73753

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	5937	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 624289

Location Exception Orders:

Increased Density Orders: 628895

Pending CD Numbers: 201405507

Special Orders:

Total Depth: 11663

Ground Elevation: 1228

Surface Casing: 720

Depth to base of Treatable Water-Bearing FM: 470

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: 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? Y

Wellhead Protection Area? Y

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: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

- D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-27714
- 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 15 Twp 24N Rge 7W 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: 5483

Radius of Turn: 890

Direction: 350

Total Length: 4782

Measured Total Depth: 11663

True Vertical Depth: 6060

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

Notes:

Category	Description
INCREASED DENSITY - 628895	9/30/2014 - G75 - 15-24N-7W X624289 MSSP 3 WELLS SANDRIDGE EXPLOR. & PROD., L.L.C. 8-6-2014
PENDING CD - 201405507	9/30/2014 - G75 - (I.O.) 15-24N-7W X624289 MSSP COMPL. INT. NCT 150 FSL, NCT 150 FNL, NCT 560 FWL NO OP. NAMED REC 8-18-2014 (OSBURN)
PUBLIC WATER SUPPLY WELLS	9/24/2014 - G76 - GARFIELD CO. RWD #1 (KREM-HILL), 2 PWS/WPA, N2 21-24N-7W
SPACING - 624289	9/30/2014 - G75 - (640)(HOR) 15-24N-7W EXT 609184 MSSP POE TO BHL NLT 660' FB (SUPERSEDE SP. ORDER # 507251 MSSLM)

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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
 Certificate of Authorization No. 1293.

GARFIELD

County, Oklahoma

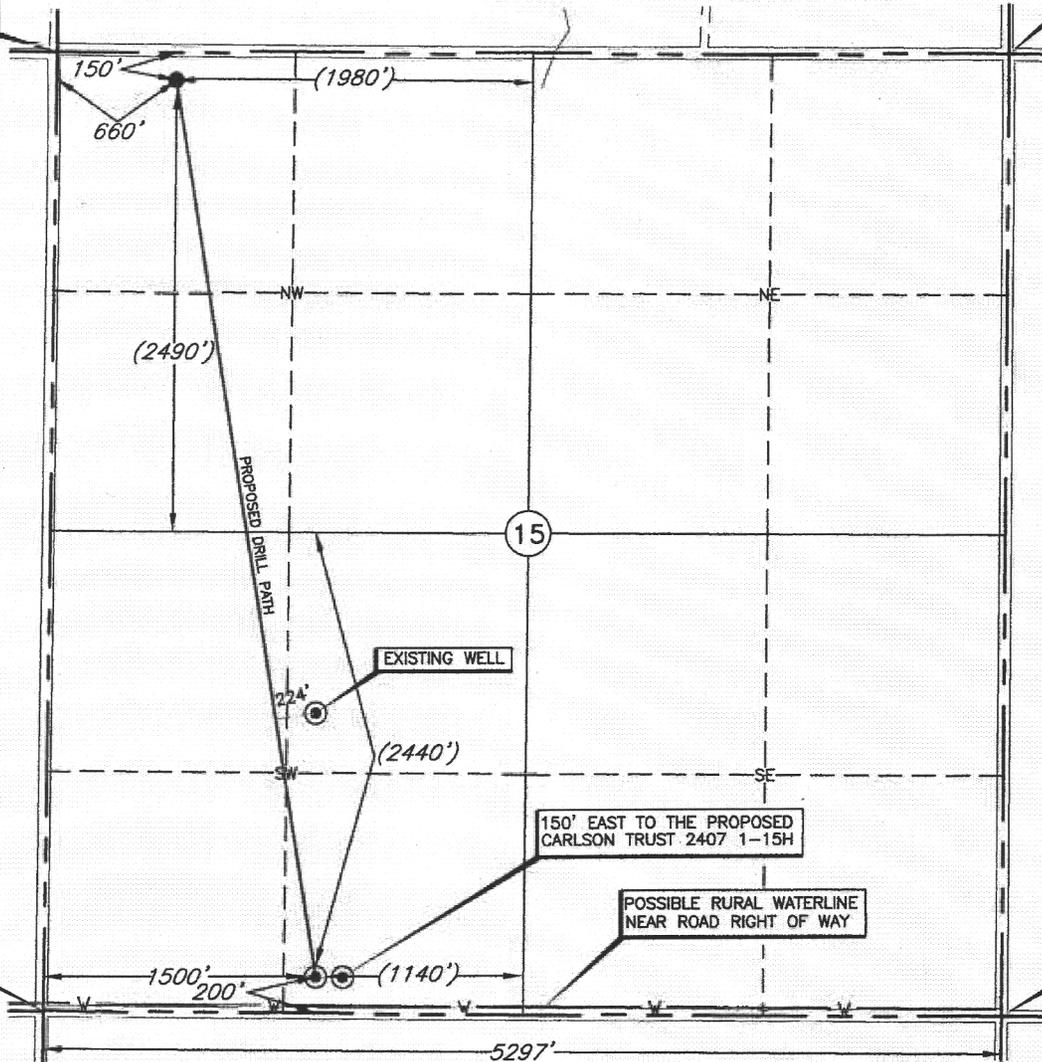
200'FSL-1500'FWL Section 15 Township 24N Range 7W I.M.

X= 2016695
Y= 569514

X= 2021960
Y= 569548

Bottom Hole
150'FNL-660'FWL
NAD-27 (US Feet)
36°33'50.8"N
97°56'27.3"W
36.564116925°N
97.940906979°W
X= 2017356
Y= 569368

Bottom Hole Information and Proposed Drill Path
Provided by Operator Listed, NOT Surveyed.



Distances shown in (parenthesis) are calculated based upon the Quarter Section being 2640 feet, those shown in [brackets] are based on GLD (General Land Office) distances and have NOT been measured on the ground.

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

Operator: SANDRIDGE EXPLORATION & PRODUCTION, LLC

Lease Name: CARLSON TRUST 2407

Well No.: 2-15H

ELEVATION:

1228' Gr. at Stake

Topography & Vegetation Loc. fell on pad being constructed

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

Best Accessibility to Location From South off county road

Distance & Direction from Hwy Jct or Town From Hillsdale, OK, go ±0.5 mile South, then ±2.5 miles East to the SW Cor. of Sec.

15-T24N-R7W

Date of Drawing: Mar. 19, 2014

Invoice # 218710A Date Staked: Mar. 17, 2014

LC

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

DATUM: NAD-27
 LAT: 36°33'02.2"N
 LONG: 97°56'16.9"W
 LAT: 36.550601881° N
 LONG: 97.938041418° W
 STATE PLANE
 COORDINATES: (US Feet)
 ZONE: OK NORTH
 X: 2018200
 Y: 564448

CERTIFICATE:

I, Lee K. Goss a Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein.

[Signature]
 Oklahoma Lic. No. 1778



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Bottom Hole Information and Proposed Drill Path Provided by Operator Listed, NOT Surveyed.



X= 2016700
Y= 564240

X= 2021997
Y= 564269

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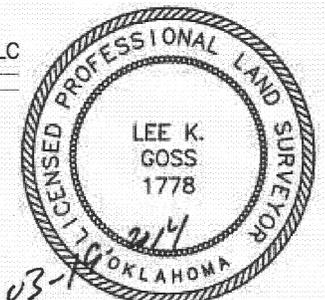
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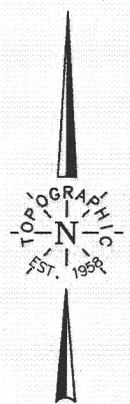
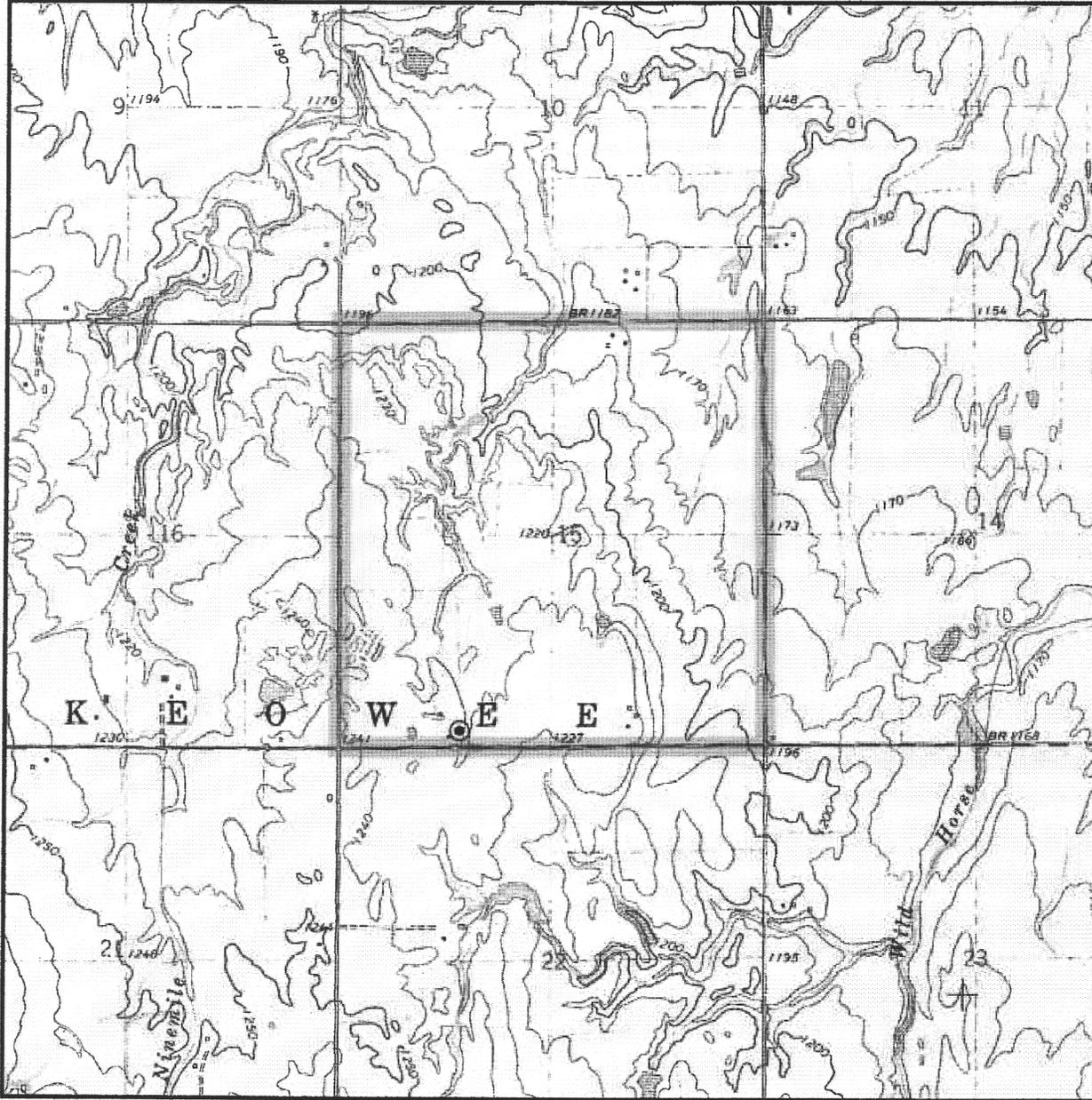
[Signature]
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TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
6709 North Classen Blvd. Oklahoma City, OK 73116 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 15 Twp. 24N Rng. 7W I.M.

County GARFIELD State OK

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC

Description 200'FSL-1500'FWL

Lease CARLSON TRUST 2407 2-15H

Elevation 1228' Gr. at Stake

U.S.G.S. Topographic
Quadrangle Map HILLSDALE, OK

Above Background Data from
U.S.G.S. Topographic Map
Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground elevation of the location stake.
Review this plat and inform us immediately of any possible discrepancy.



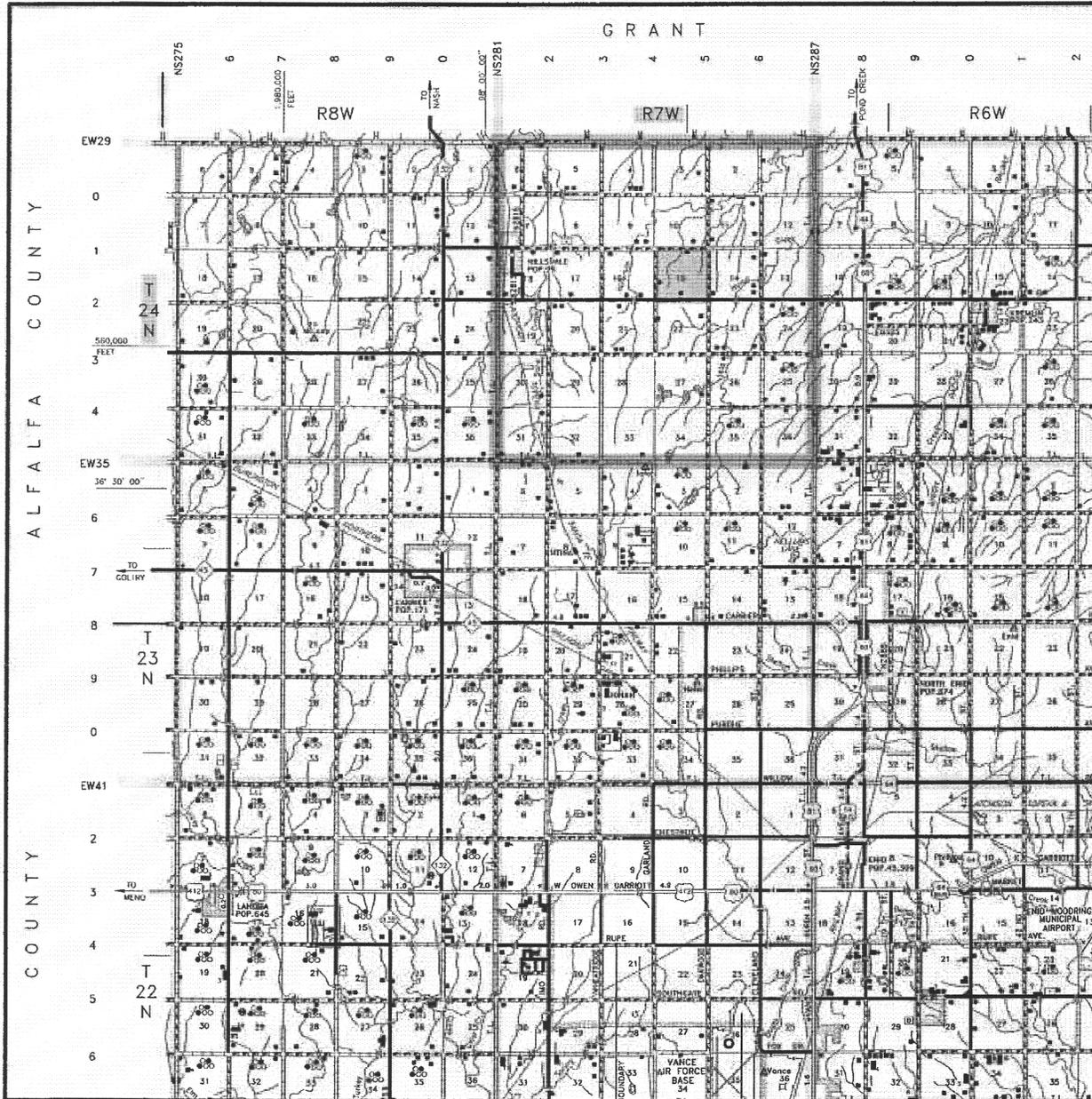
LAND SURVEYORS OF OKLAHOMA

Mar. 17, 2014

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VICINITY MAP



Scale: 1" = 3 Miles

Sec. 15 Twp. 24N Rng. 7W I.M.

County GARFIELD State OK

Operator SANDRIDGE EXPLORATION & PRODUCTION, LLC



LAND SURVEYORS OF OKLAHOMA