

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

API NUMBER: 029 21368

Approval Date: 02/08/2018

Expiration Date: 08/08/2018

Straight Hole

Stratigraphic Test

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 1S Rge: 9E

County: COAL

SPOT LOCATION: ☐ SW ☐ SE ☐ SE ☐ NE

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 2409 369

Lease Name: SOLO

Well No: 1-25W

Well will be 369 feet from nearest unit or lease boundary.

Operator Name: CANYON CREEK ENERGY OPERATING LLC

Telephone: 9185616737

OTC/OCC Number: 23443 0

CANYON CREEK ENERGY OPERATING LLC
2431 E 61ST ST STE 400
TULSA, OK 74136-1237

DEEANN MILES
37656 COUNTY RD. 1775
COALGATE OK 74538

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

| Name | Depth | Name | Depth |
|----------|-------|------|-------|
| 1 HUNTON | 6690 | 6 | |
| 2 | | 7 | |
| 3 | | 8 | |
| 4 | | 9 | |
| 5 | | 10 | |

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 6790

Ground Elevation: 635

Surface Casing: 1000

Depth to base of Treatable Water-Bearing FM: 320

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: ON SITE

A. Evaporation/dewater and backfilling of reserve pit.

Type of Mud System: AIR

Is depth to top of ground water greater than 10ft below base of pit? Y

F. Haul to Commercial soil farming facility: Sec. 14 Twn. 7N Rng. 9E Cnty. 63 Order No: 551649

Within 1 mile of municipal water well? N

H. SEE MEMO

Wellhead Protection Area? N

Pit is not located in a Hydrologically Sensitive Area.

Category of Pit: 4

Liner not required for Category: 4

Pit Location is NON HSA

Pit Location Formation: ATOKA

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

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: 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 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: ATOKA

PIT 3 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: ATOKA

Notes:

Category

Description

DEEP SURFACE CASING

2/6/2018 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

INTENT TO DRILL

2/8/2018 - G75 - THIS WELL HAS BEEN APPROVED AS A STRATIGRAPHIC TEST WITH THE INTENT TO SET SURFACE CASING ONLY. OPERATOR WILL FILE AN AMENDED FORM 1000 CHANGING THE TYPE OF DRILLING OPERATION AT A LATER DATE

MEMO

2/6/2018 - G71 - PIT 2 & 3 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 3 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING

2/8/2018 - G75 - NA-STRATIGRAPHIC TEST

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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.

029 21368 SOLO 1-25W



Well Location Plat

S.H.L. Sec. 25-1S-9E I.M.
B.H.L. Sec. 36-1S-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: SOLO 1-25/36H

Footage: 2409' FNL - 369' FEL Gr. Elevation: 635'

029-21368

Section: 25 Township: 1S Range: 9E I.M.

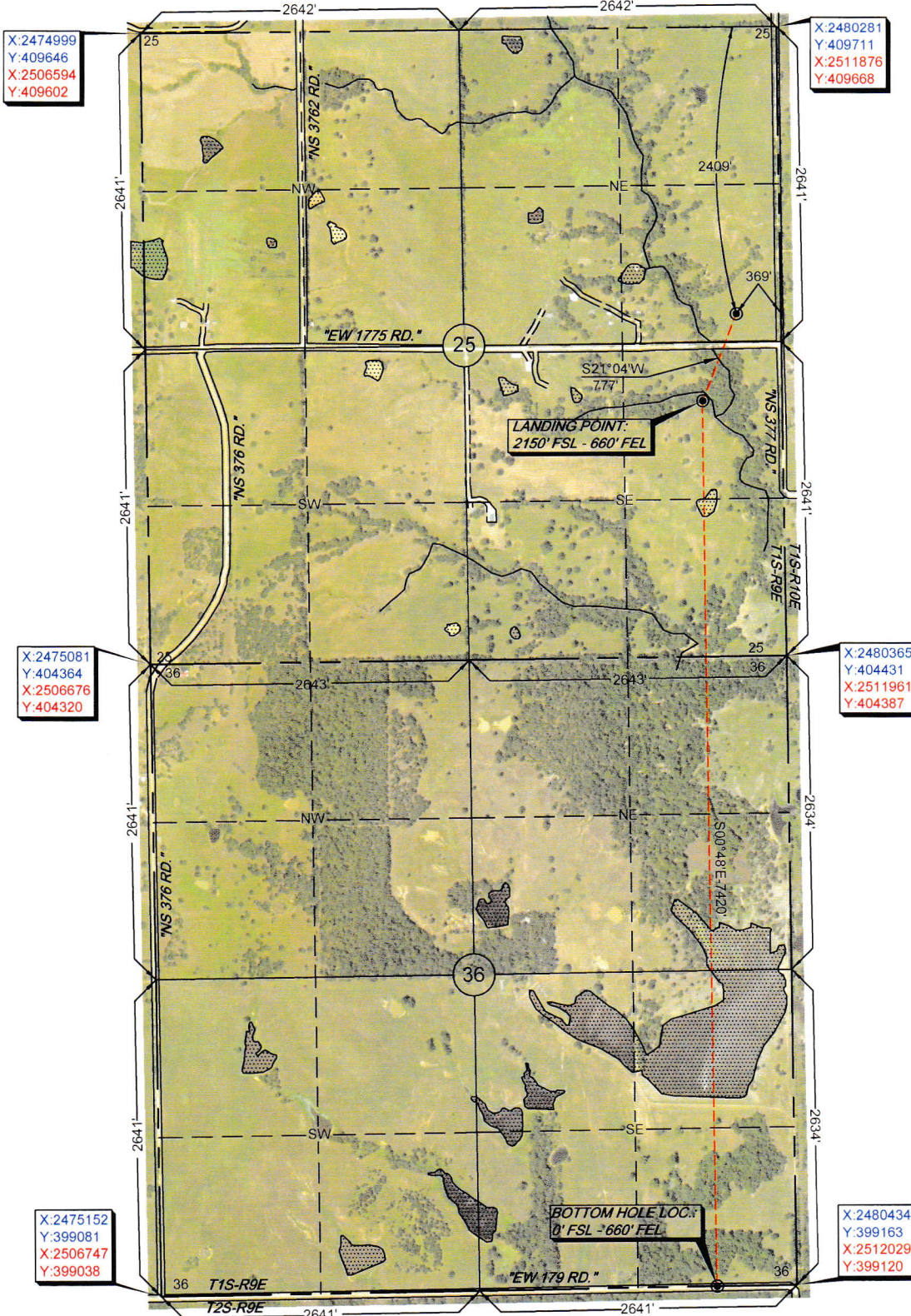
County: Coal State of Oklahoma

Terrain at Loc.: Location fell in open pasture, elevation drops to the West. Existing creeks North and West of pad. Existing power lines 20' East and South of pad.



All bearings shown
are grid bearings.

0' 660' 1320' 1980'
1" = 1320'



GPS DATUM

NAD 83

NAD 27

OK SOUTH ZONE

Surface Hole Loc.:
Lat: 34°26'26.58"N
Lon: 96°18'12.97"W
X: 2479951
Y: 407297

Surface Hole Loc.:
Lat: 34°26'26.26"N
Lon: 96°18'11.98"W
X: 2511546
Y: 407254

Landing Point:
Lat: 34°26'19.46"N
Lon: 96°18'16.45"W
X: 2479671
Y: 406572

Landing Point:
Lat: 34°26'19.13"N
Lon: 96°18'15.46"W
X: 2511266
Y: 406528

Bottom Hole Loc.:
Lat: 34°26'06.06"N
Lon: 96°18'16.71"W
X: 2479774
Y: 399153

Bottom Hole Loc.:
Lat: 34°25'05.73"N
Lon: 96°18'15.72"W
X: 2511369
Y: 399109

Please note that this location was staked on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed. Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined. GPS data is observed from RTK - GPS.

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 or assumed at a proportionate distance from opposing section corners, or occupation thereof, and may not have been measured on-the-ground, and further, 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, 2018

Invoice #7380-A

Date Staked: 09/19/17 By: J.L.

Date Drawn: 09/22/17 By: J.H.

Add LP & BHL: 02/05/18 By: R.M.

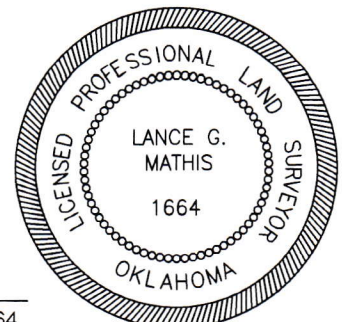
Certification:

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

02/05/18

OK LPLS 1664





Well Location Plat

S.H.L. Sec. 25-1S-9E I.M.
B.H.L. Sec. 36-1S-9E I.M.

Operator: CANYON CREEK ENERGY

Lease Name and No.: SOLO 1-25/36H

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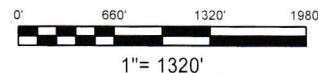
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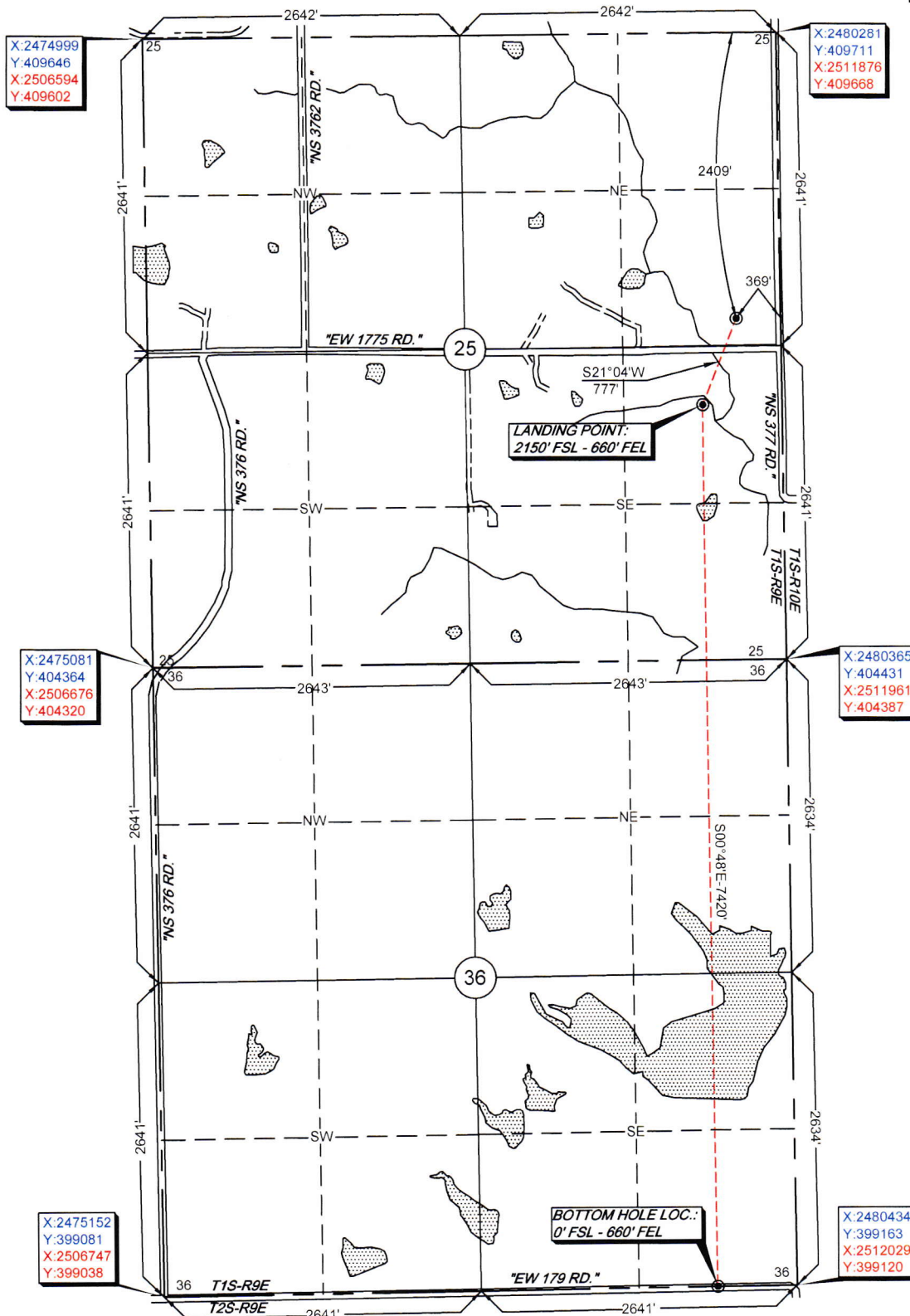
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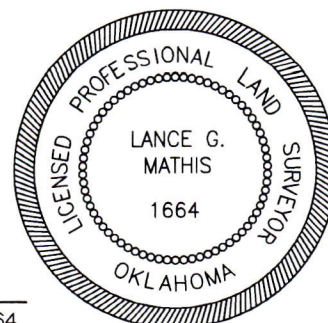
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LANCE G. MATHIS

02/05/18

OK LPLS 1664



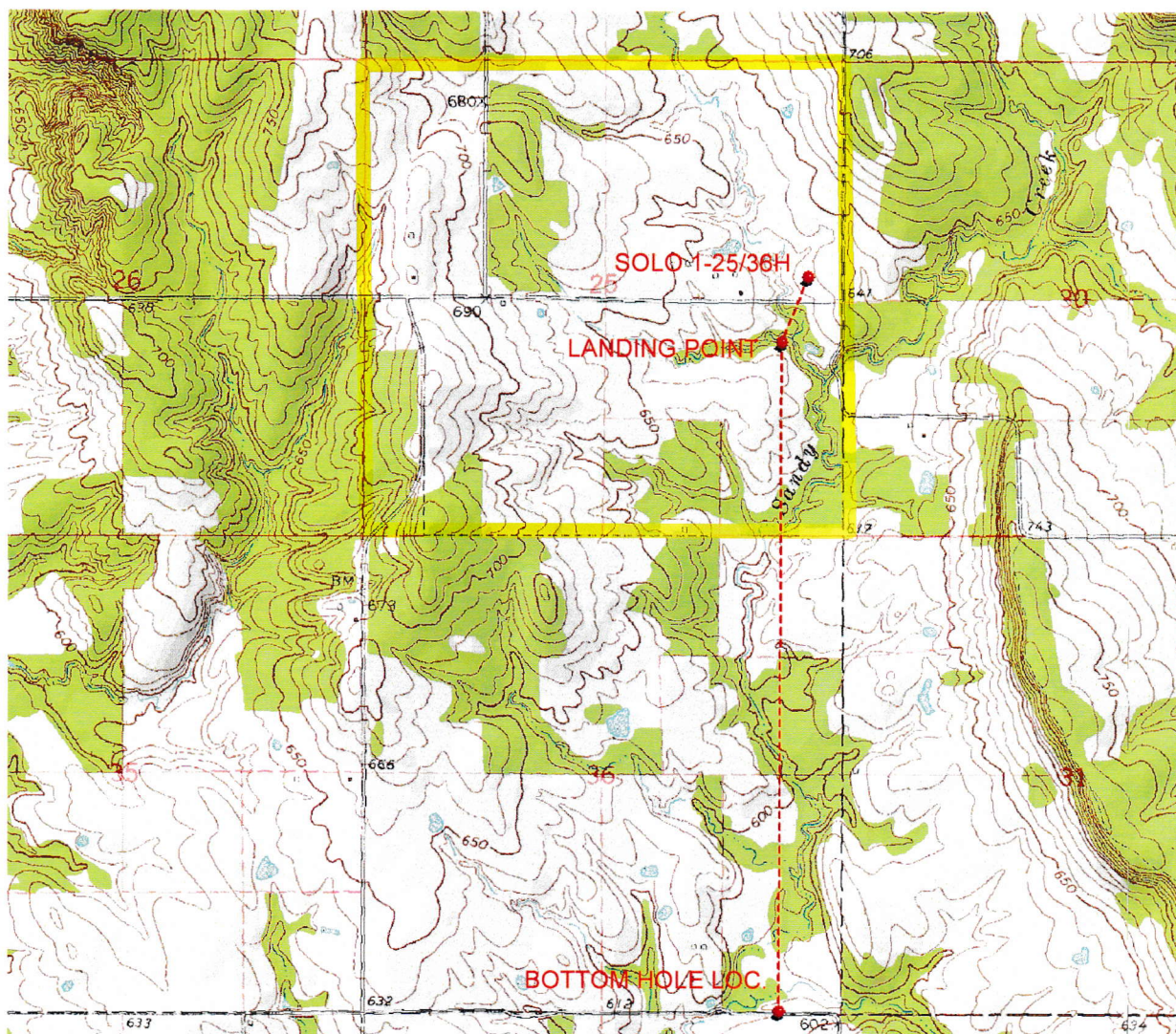


Topographic Vicinity Map

Operator: CANYON CREEK ENERGY
Lease Name and No.: SOLO 1-25/36H
Surface Hole Location: 2409' FNL - 369' FEL
Landing Point: 2150' FSL - 660' FEL
Sec. 25 Twp. 1S Rng. 9E I.M.
Bottom Hole Location: 0' FSL - 660' FEL
Sec. 36 Twp. 1S Rng. 9E I.M.
County: Coal State of Oklahoma
Ground Elevation at Surface Hole Location: 635'



Scale 1"= 2000'
Contour Interval: 10'



Provided by:
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Certificate of Authorization No. 5348
Expires June 30, 2018

Date Staked: 09/19/17

The purpose of this map is to verify the location and elevation as staked on the ground and to show the surrounding Topographic features. The footage shown hereon is only as SCALED onto a U.S.G.S. Topographic Map.

Please note that this location was staked carefully on the ground under the supervision of a Licensed Professional Land Surveyor, but the accuracy of this survey is not guaranteed.

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