

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

API NUMBER: 047 25199

Approval Date: 05/03/2019

Expiration Date: 11/03/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 08 Twp: 23N Rge: 5W

County: GARFIELD

SPOT LOCATION:  SW  SW  SW  SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 235 300

Lease Name: BETHANY

Well No: 1-8H

Well will be 235 feet from nearest unit or lease boundary.

Operator Name: SK PLYMOUTH LLC

Telephone: 9185991800

OTC/OCC Number: 23485 0

SK PLYMOUTH LLC  
11700 KATY FWY STE 900  
HOUSTON, TX 77079-1222

MICHAEL D STRECK  
1211 E. KEOWEE ROAD  
KREMLIN OK 73753

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6060	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201901840  
201901841

Special Orders:

Total Depth: 11005

Ground Elevation: 1156

**Surface Casing: 470**

Depth to base of Treatable Water-Bearing FM: 220

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

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: 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: FAIRMONT

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 19-36541  
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 08 Twp 23N Rge 5W County GARFIELD

Spot Location of End Point: NE NW NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 405

Depth of Deviation: 4560

Radius of Turn: 382

Direction: 1

Total Length: 4845

Measured Total Depth: 10005

True Vertical Depth: 6060

End Point Location from Lease,  
Unit, or Property Line: 165

## Notes:

### Category

### Description

HYDRAULIC FRACTURING

4/24/2019 - 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](http://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](http://FRACFOCUS.ORG)

PENDING CD - 201901840

4/25/2019 - GB1 - (E.O.)(640)(HOR) 8-23N-5W  
EST MSSP, OTHER  
COMPL. INT. (MSSP) NCT 660' FB  
(COEXIST SP 128144 MISS \*\*\*, 143857 MISS)  
REC. 5/3/2019 (JOHNSON)

\*\*\* S/B MSSLM; WILL BE CORRECTED PER ATTORNEY AT HEARING FOR INTERIM ORDER

PENDING CD - 201901841

4/25/2019 - GB1 - (I.O.) 8-23N-5W  
X201901840 MSSP  
COMPL. INT. NCT 165' FNL, NCT 165' FSL, NCT 330' FWL  
NO OP. NAMED  
REC. 4/9/2019 (MOORE)

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.

047 25199 BETHANY 1-8H





# Well Location Plat

Sec. 8-23N-5W I.M.

Operator: SK PLYMOUTH  
Lease Name and No.: BETHANY 1-8H  
Footage: 235' FSL - 300' FWL Gr. Elevation: 1156'  
Section: 8 Township: 23N Range: 5W I.M.  
County: Garfield State of Oklahoma  
Terrain at Loc.: Location fell in a flat open field.

API 047-25199



All bearings shown  
are grid bearings.



1" = 1000'

GPS DATUM  
NAD 83  
NAD 27  
OK NORTH ZONE



Surface Hole Loc.:  
Lat: 36°28'41.39"N  
Lon: 97°45'51.03"W  
Lat: 36.47816250  
Lon: -97.76417422  
X: 2037834  
Y: 538169

Surface Hole Loc.:  
Lat: 36°28'41.27"N  
Lon: 97°45'49.83"W  
Lat: 36.47813022  
Lon: -97.76384145  
X: 2069433  
Y: 538143

Landing Point:  
Lat: 36°28'40.70"N  
Lon: 97°45'49.80"W  
Lat: 36.47797101  
Lon: -97.76383434  
X: 2037934  
Y: 538099

Landing Point:  
Lat: 36°28'40.58"N  
Lon: 97°45'48.61"W  
Lat: 36.47793872  
Lon: -97.76350158  
X: 2069533  
Y: 538074

Bottom Hole Loc.:  
Lat: 36°29'29.54"N  
Lon: 97°45'49.74"W  
Lat: 36.49154019  
Lon: -97.76381656  
X: 2037927  
Y: 543039

Bottom Hole Loc.:  
Lat: 36°29'29.43"N  
Lon: 97°45'48.54"W  
Lat: 36.49150810  
Lon: -97.76348373  
X: 2069527  
Y: 543014

-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, 2020

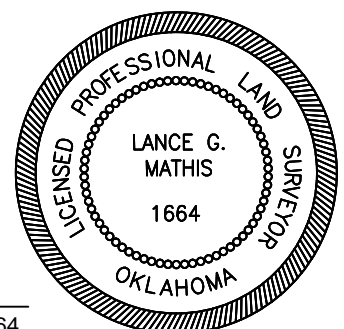
## Certification:

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.

Invoice #8546-D  
Date Staked: 04/19/19 By: J.W.  
Date Drawn: 04/24/19 By: C.K.

LANCE G. MATHIS

04/25/19  
OK LPLS 1664







# Well Location Plat

Sec. 8-23N-5W I.M.

Operator: SK PLYMOUTH  
Lease Name and No.: BETHANY 1-8H  
Footage: 235' FSL - 300' FWL Gr. Elevation: 1156'  
Section: 8 Township: 23N Range: 5W I.M.  
County: Garfield State of Oklahoma  
Terrain at Loc.: Location fell in a flat open field.

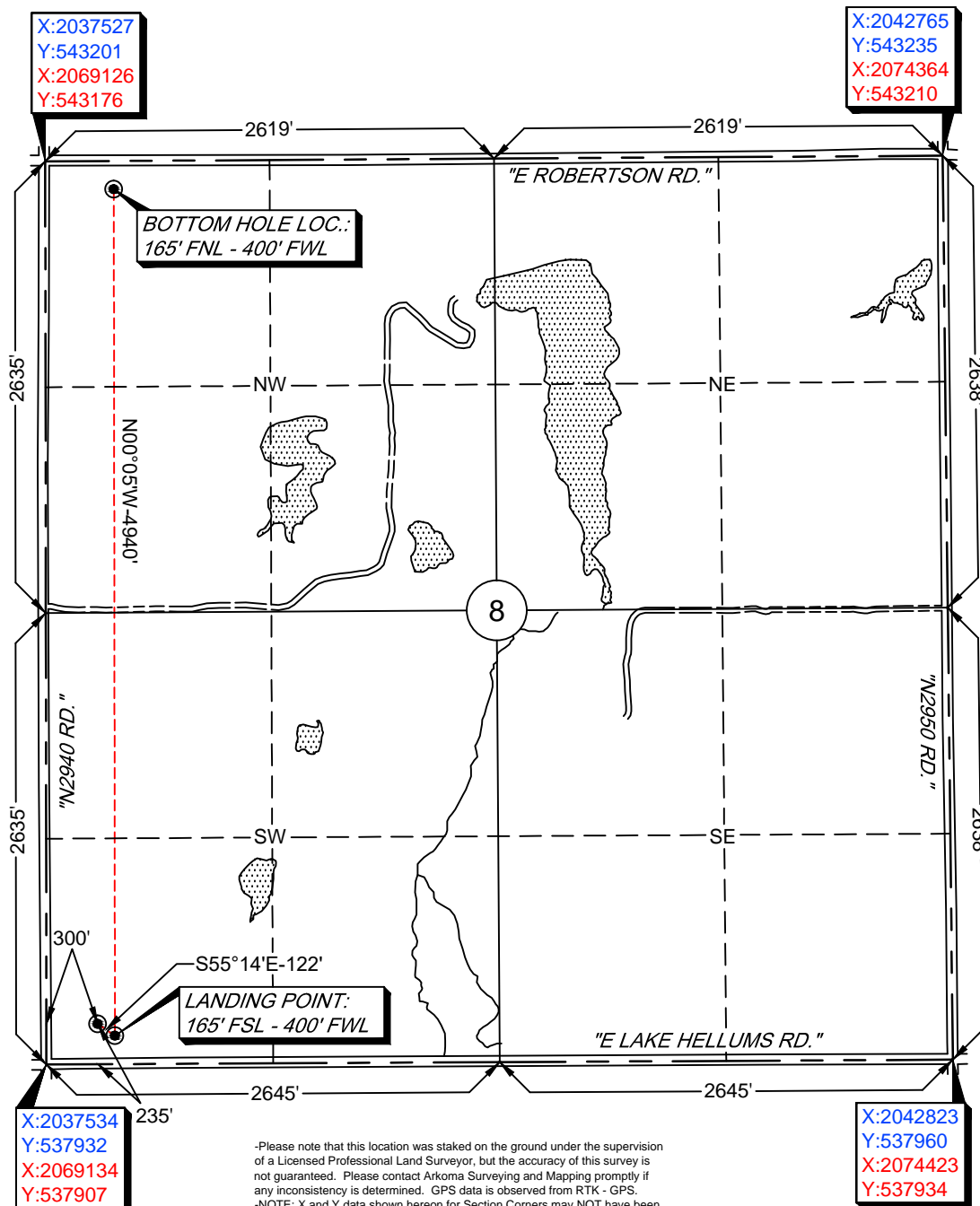


All bearings shown  
are grid bearings.



1" = 1000'

GPS DATUM  
NAD 83  
NAD 27  
OK NORTH ZONE



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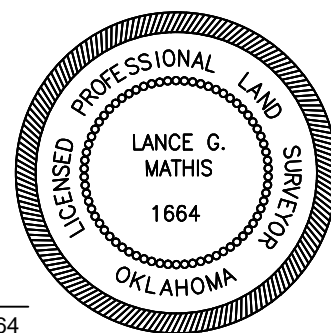
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LANCE G. MATHIS

04/25/19

OK LPLS 1664







# Anti-Collision

Sec. 8-23N-5W I.M.

Operator: SK PLYMOUTH

Lease Name and No.: BETHANY 1-8H

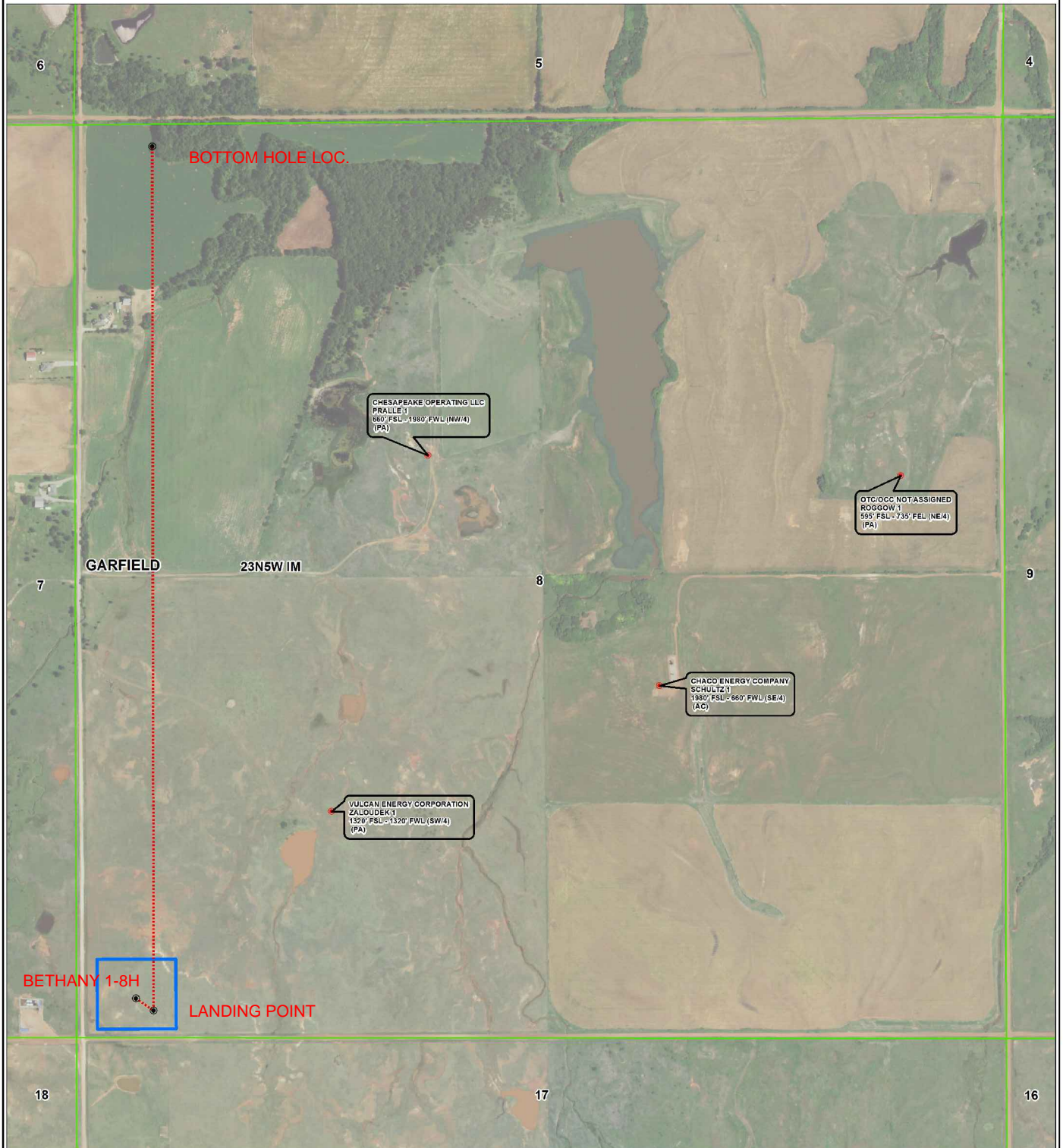
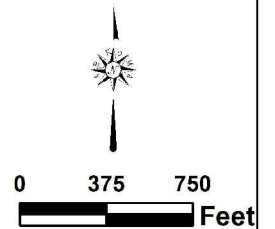
Surface Hole Location: 235' FSL - 300' FWL

Landing Point: 165' FSL - 400' FWL

Bottom Hole Location: 165' FNL - 400' FWL

Sec. 8 Twp. 23N Rng. 5W I.M.

County: Garfield State of Oklahoma







# Topographic Vicinity Map

Operator: SK PLYMOUTH

Lease Name and No.: BETHANY 1-8H

Surface Hole Location: 235' FSL - 300' FWL

Landing Point: 165' FSL - 400' FWL

Bottom Hole Location: 165' FNL - 400' FWL

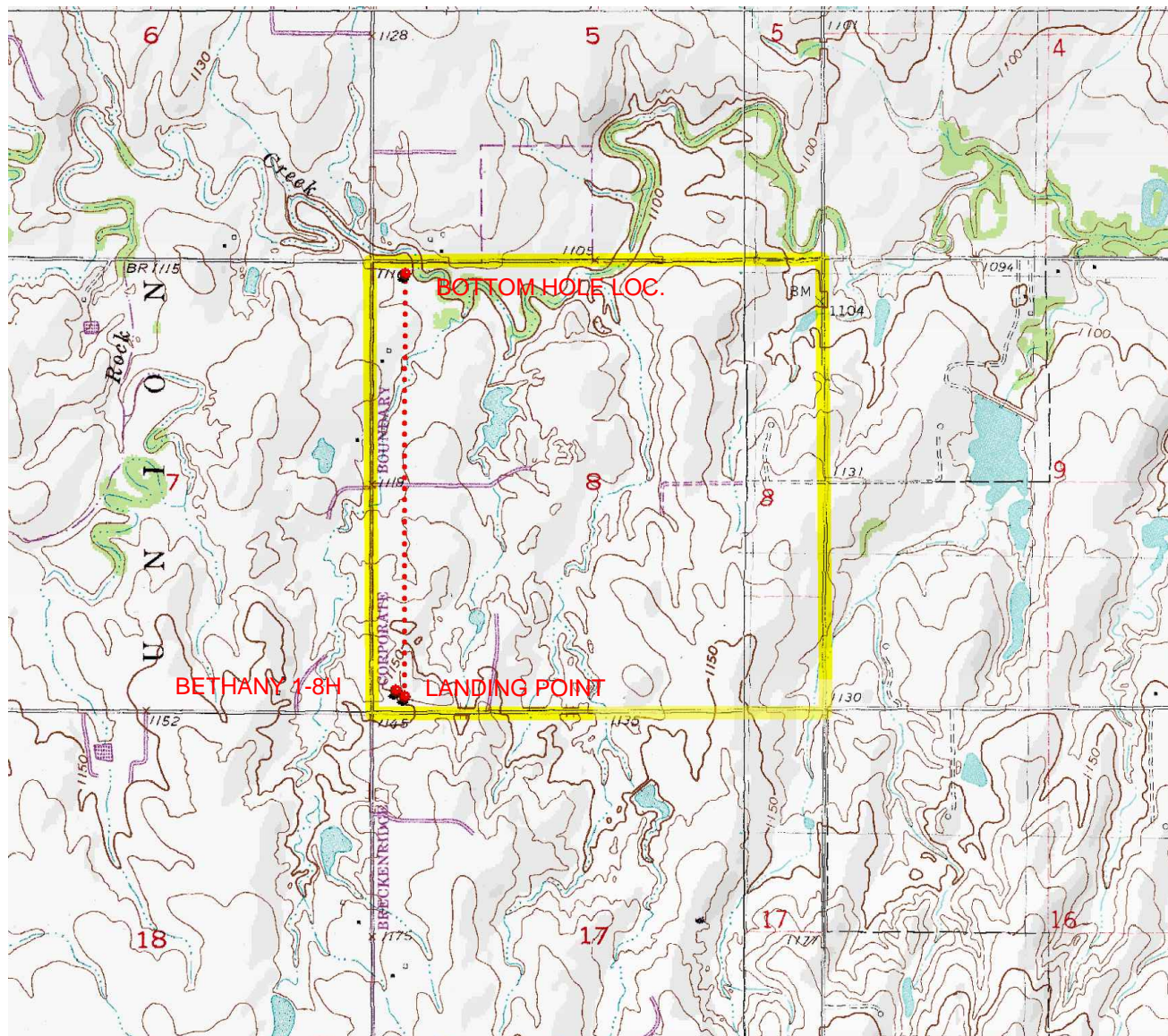
Sec. 8 Twp. 23N Rng. 5W I.M.

County: Garfield State of Oklahoma



Scale 1" = 2000'  
Contour Interval: 10'

Ground Elevation at Surface Hole Location: 1156'



Provided by:

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P.O. Box 238 Wilburton, OK 74578

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Expires June 30, 2020

Date Staked: 04/19/19

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.

Please contact Arkoma Surveying and Mapping promptly if any inconsistency is determined.



# County Highway Vicinity Map



Job #: 8546-D

Operator: SK PLYMOUTH

Lease Name and No.: BETHANY 1-8H

Accessibility: From the South.

Directions: From the junction of "Breckinridge Rd"  
US HWY 64 in the town of North Enid, OK, go 6.0  
miles East on "Breckinridge Rd", then go 3.0 miles  
North on "N 78th St" to the Southwest Quarter of  
Section 8-23N-5W on the East side of the road.

1 inch = 1 mile

provided by,  
Arkoma Surveying and Mapping, PLLC  
P.O. Box 239 Wilburton, OK 74579  
Ph. 918-465-5711 Fax 918-465-5030  
Certificate of Authorization No. 5348  
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