

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

API NUMBER: 051 24209 A

Approval Date: 10/16/2017  
Expiration Date: 04/16/2018

Horizontal Hole Oil & Gas

Amend reason: CHANGE OPERATOR, SURFACE HOLE, UPDATE ORDERS

AMEND PERMIT TO DRILL

WELL LOCATION: Sec: 26 Twp: 5N Rge: 6W County: GRADY  
SPOT LOCATION:  NW  NE  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 204 601

Lease Name: ABEL Well No: 25-36-1XH Well will be 204 feet from nearest unit or lease boundary.  
Operator Name: CAMINO NATURAL RESOURCES LLC Telephone: 7204052706 OTC/OCC Number: 24097 0

CAMINO NATURAL RESOURCES LLC  
1401 17TH ST STE 1000  
DENVER, CO 80202-1247

LARRY AND MARLENE ABEL  
PO BOX 194  
ALEX OK 73002

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

Name	Depth	Name	Depth
1 SYCAMORE	14416	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 123502 Location Exception Orders: 664839 Increased Density Orders: 664836  
671293

Pending CD Numbers:

Special Orders:

Total Depth: 25086 Ground Elevation: 1175 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 170

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: 5000 Average: 3000

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: CHICKASHA

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-33032

H. SEE MEMO

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: 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: CHICKASHA

HORIZONTAL HOLE 1

Sec 36 Twp 5N Rge 6W County GRADY

Spot Location of End Point: SE SW SW SW

Feet From: SOUTH 1/4 Section Line: 100

Feet From: WEST 1/4 Section Line: 380

Depth of Deviation: 14000

Radius of Turn: 496

Direction: 170

Total Length: 10306

Measured Total Depth: 25086

True Vertical Depth: 14416

End Point Location from Lease,  
Unit, or Property Line: 100

Notes:

Category

Description

DEEP SURFACE CASING

12/20/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING

EXCEPTION TO RULE - 671293

1/2/2018 - G60 - (I.O.)(IRR UNIT) W2 25 & W2 36-5N-6W  
X165:10-3-28(C)(2)(B) SCMR (ABEL 25-36-1XH)  
MAY BE CLOSER THAN 600' TO MORRIS 1-25 & MAX RAMSEY 2  
CAMINO NATURAL RESOURCES, LLC  
12/18/17

HORIZONTAL HOLE

1/2/2018 - G60 - CHANGED TO A HORIZONTAL HOLE PER OPERATOR

HYDRAULIC FRACTURING

12/20/2017 - 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)

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.

051 24209 ABEL 25-36-1XH

Category	Description
INCREASED DENSITY - 664836	1/2/2018 - G60 - (IRR UNIT) W2 25 & W2 36-5N-6W X123502 SCMR 1 WELL NO OP. NAMED 6-14-2017
LOCATION EXCEPTION - 671650	1/2/2018 - G60 - (E.O.)(IRR UNIT) W2 25 & W2 36-5N-6W X123502 SCMR SHL (26-5N-6W) 204' FNL, 601' FEL COMPL. INT. (W2 25 & W2 36-5N-6W) NCT 165' FNL, NCT 165' FSL, NCT 660' FWL CAMINO NATURAL RESOURCES, LLC. 1/2/2018
MEMO	12/20/2017 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 123502	1/2/2018 - G60 - (640)(IRR UNIT) W2 25 & W2 36-5N-6W NCT 660 FB VAC OTHERS EXT OTHERS EXT 94778/112036 SCMR, OTHER EST OTHERS

This permit does not address the right of entry or settlement of surface damages.  
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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.

**CAM NO**

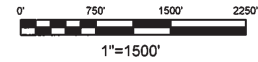
# Well Location Plat

S.H.L. Sec. 26-5N-6W I.M.  
B.H.L. Sec. 36-5N-6W I.M.

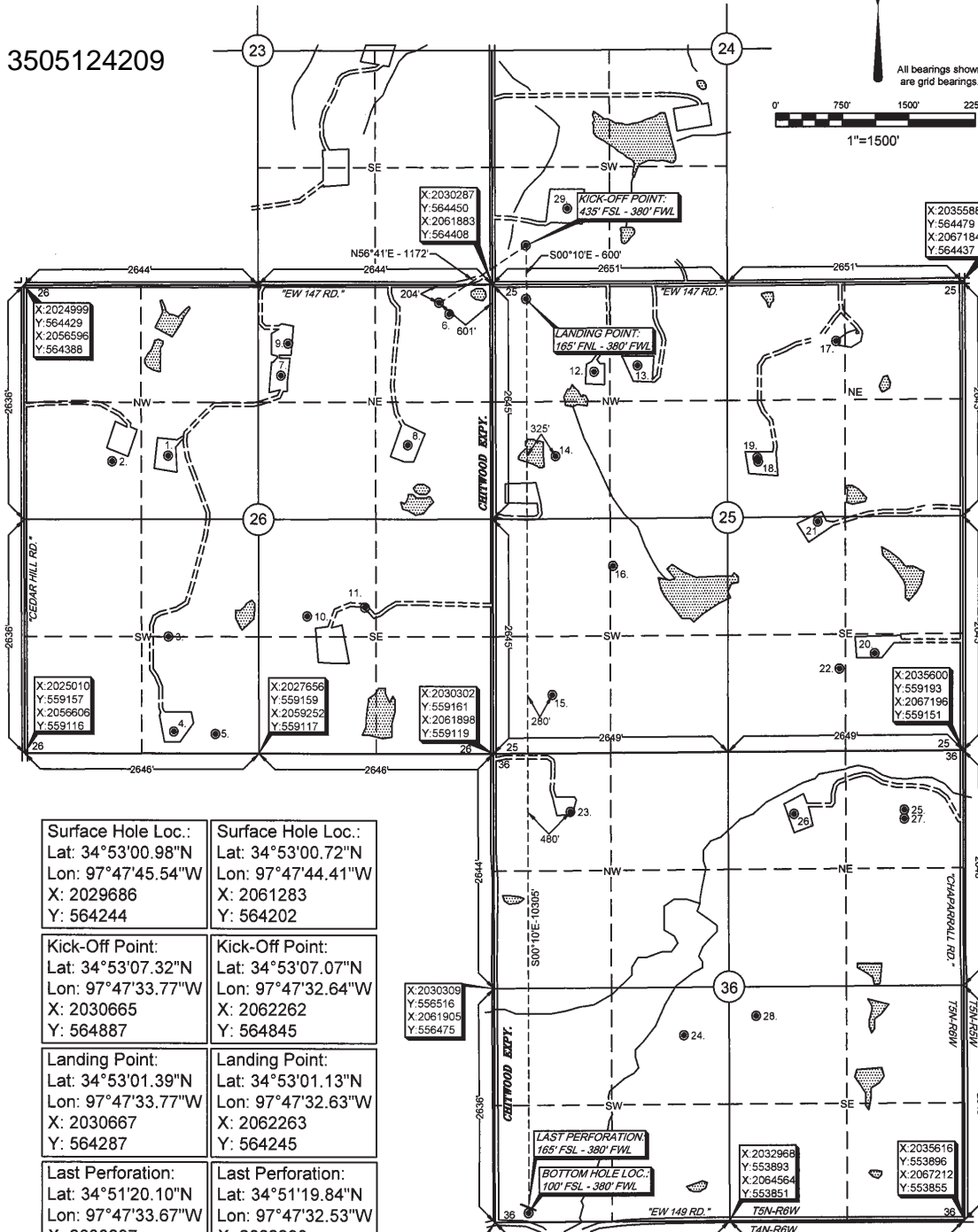
Operator: CAMINO NATURAL RESOURCES, LLC  
Lease Name and No.: ABEL 25-36 1XH  
Footage: 204' FNL - 601' FEL GR. ELEVATION: 1175'  
Section: 26 Township: 5N Range: 6W I.M.  
County: Grady State of Oklahoma  
Terrain at Loc.: Location fell in a flat, partially built area.



All bearings shown are grid bearings.



3505124209



Surface Hole Loc.: Lat: 34°53'00.98"N Lon: 97°47'45.54"W X: 2029686 Y: 564244	Surface Hole Loc.: Lat: 34°53'00.72"N Lon: 97°47'44.41"W X: 2061283 Y: 564202
Kick-Off Point: Lat: 34°53'07.32"N Lon: 97°47'33.77"W X: 2030665 Y: 564887	Kick-Off Point: Lat: 34°53'07.07"N Lon: 97°47'32.64"W X: 2062262 Y: 564845
Landing Point: Lat: 34°53'01.39"N Lon: 97°47'33.77"W X: 2030667 Y: 564287	Landing Point: Lat: 34°53'01.13"N Lon: 97°47'32.63"W X: 2062263 Y: 564245
Last Perforation: Lat: 34°51'20.10"N Lon: 97°47'33.67"W X: 2030697 Y: 554047	Last Perforation: Lat: 34°51'19.84"N Lon: 97°47'32.53"W X: 2062293 Y: 554005
Bottom Hole Loc.: Lat: 34°51'19.45"N Lon: 97°47'33.67"W X: 2030697 Y: 553982	Bottom Hole Loc.: Lat: 34°51'19.20"N Lon: 97°47'32.53"W X: 2062293 Y: 553940

X:2030309  
Y:556516  
X:2061906  
Y:556475

X:2030317  
Y:553880  
X:2061913  
Y:553838

GPS DATUM  
NAD - 83  
NAD - 27  
OK SOUTH ZONE

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. 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. 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 #7512  
Date Staked: 11/30/17 By: J.L.  
Date Drawn: 12/06/17 By: J.H.  
Revised BHL: 12/15/17 By: R.S.

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 12/15/17  
OK LPLS 1664

