

Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165: 10-3-25

Form 1002A

API No.: 35063245490001

**Completion Report**

Spud Date: August 26, 2015

OTC Prod. Unit No.: 063217194

Drilling Finished Date: November 26, 2015

1st Prod Date: February 18, 2016

Completion Date: January 10, 2016

**Drill Type: HORIZONTAL HOLE**

Well Name: ETHEL 4-7H

Purchaser/Measurer: UNIMARK

Location: HUGHES 7 7N 11E  
SW NE NW NW  
539 FNL 984 FWL of 1/4 SEC  
Latitude: 35.099792 Longitude: -96.191186  
Derrick Elevation: 920 Ground Elevation: 897

First Sales Date: 2/18/2016

Operator: PETROQUEST ENERGY LLC 21466

1717 S BOULDER AVE STE 201  
TULSA, OK 74119-4842

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception	
Order No	
There are no Location Exception records to display.	

Increased Density	
Order No	
641967	
643924	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
INTERMEDIATE	9.625	36	J-55	3144		260	509
SURFACE	13.375	48	H-40	485		500	SURFACE
PRODUCTION	4.5	13.5	HCP-110	10380		665	4311

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	13.5	HCP-110	2061	0	205	3144	5205

**Total Depth: 10385**

Packer	
Depth	Brand & Type
10293	FLOAT COLLAR

Plug	
Depth	Plug Type
There are no Plug records to display.	

Initial Test Data										
Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut-In Pressure	Choke Size	Flow Tubing Pressure
Feb 26, 2016	WOODWORD			1058		1746	FLOWING		OPEN	200

<b>Completion and Test Data by Producing Formation</b>															
Formation Name: WOODWORD		Code: 319WDFD	Class: GAS												
<table border="1" style="width: 100%;"> <tr> <th colspan="2">Spacing Orders</th></tr> <tr> <th>Order No</th><th>Unit Size</th></tr> <tr> <td>629941</td><td>640</td></tr> </table>		Spacing Orders		Order No	Unit Size	629941	640	<table border="1" style="width: 100%;"> <tr> <th colspan="2">Perforated Intervals</th></tr> <tr> <th>From</th><th>To</th></tr> <tr> <td>5369</td><td>10230</td></tr> </table>		Perforated Intervals		From	To	5369	10230
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Formation	Top
WAPANUKA	3734
CROMWELL	4086
CANEY	4563
MAYES	4819
WOODFORD	5068

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

<b>Other Remarks</b>
IRREGULAR SECTION.

<b>Lateral Holes</b>
Sec: 7 TWP: 7N RGE: 11E County: HUGHES SE SE SW SW 1 FSL 1534 FEL of 1/4 SEC Depth of Deviation: 5068 Radius of Turn: 898 Direction: 178 Total Length: 4861 Measured Total Depth: 10385 True Vertical Depth: 4878 End Pt. Location From Release, Unit or Property Line: 1

<b>FOR COMMISSION USE ONLY</b>	
Status: Accepted	1133330



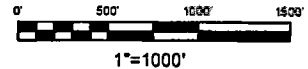
# Well Location Plat

Sec. 7-7N-11E I.M.

Operator: PETROQUEST ENERGY, LLC  
 Lease Name and No. : ETHEL #4-7H  
 Footage : 539' FNL - 984' FWL GR. ELEVATION : 899' Good Site? YES  
 Section: 7 Township: 7N Range: 11E I.M.  
 County : Hughes State of Oklahoma  
 Alternate Loc.: N/A  
 Terrain at Loc. : Location fell in open cattle pasture.

Accessibility : From the West.

Directions : From the junction of State Highway 75 and State Highway 270 in the town of Horntown, OK, go 3.0 miles East on "Lamar Highway", then go 1.0 mile North on "NS 383 Road" to the Northwest Corner of Section 7-7N-11E.

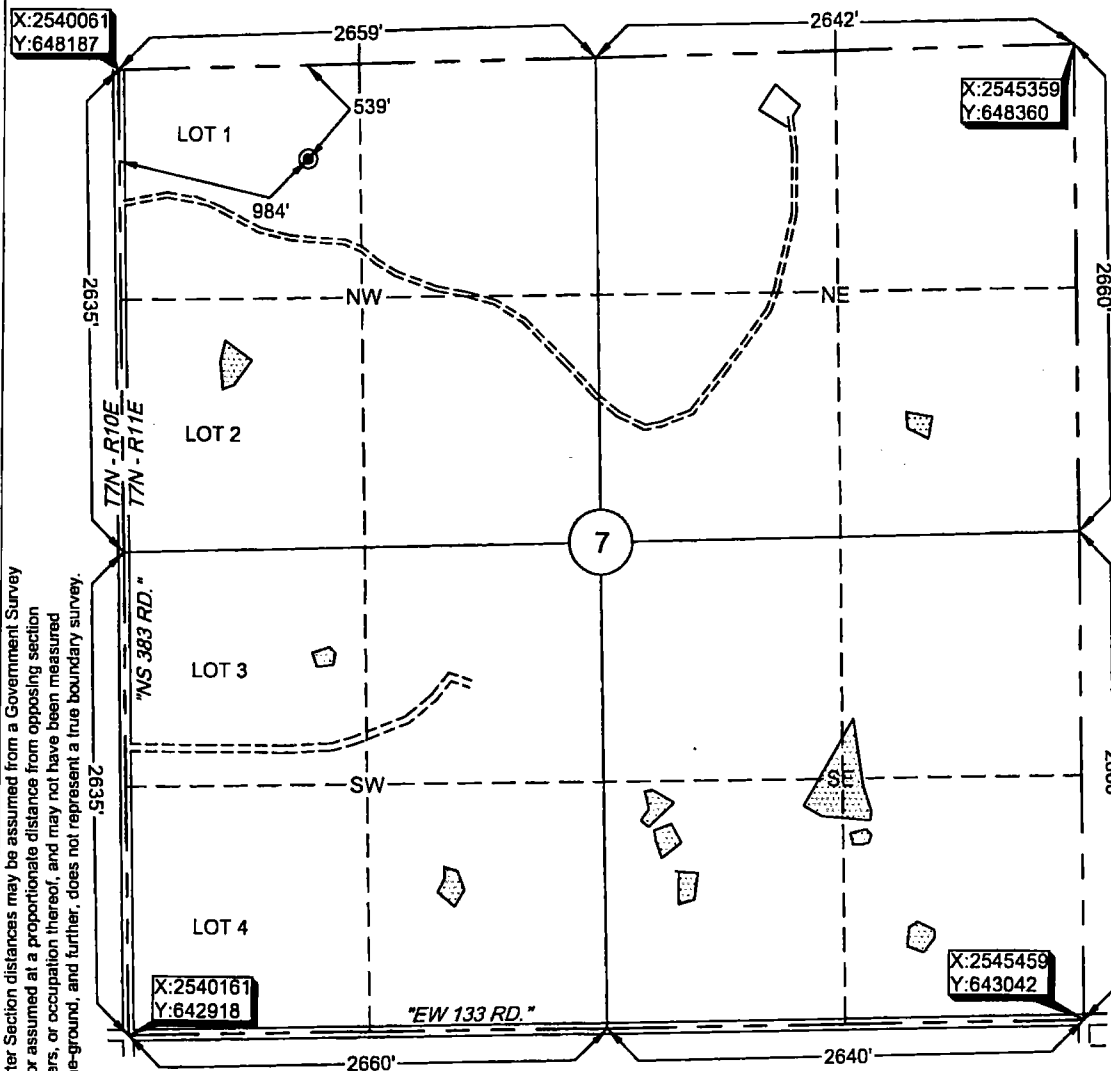


GPS DATUM  
 NAD - 27  
 OK SOUTH ZONE

Surface Hole Loc.:  
 Lat: 35°05'59.10"N  
 Lon: 96°11'28.27"W  
 X: 2541055  
 Y: 647680

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 Arkansas 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, 2016

Invoice #5375-B-C  
 Date Staked : 07/01/15 By : ZD  
 Date Drawn : 07/02/15 By : TS  
 Revise Date : 10/12/15 By : RS

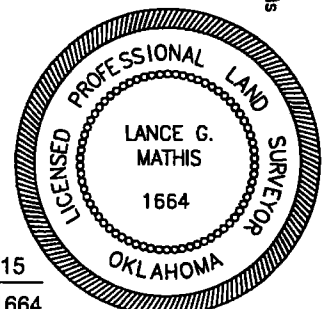
## Certification:

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

10/12/15

OK LPLS 1664

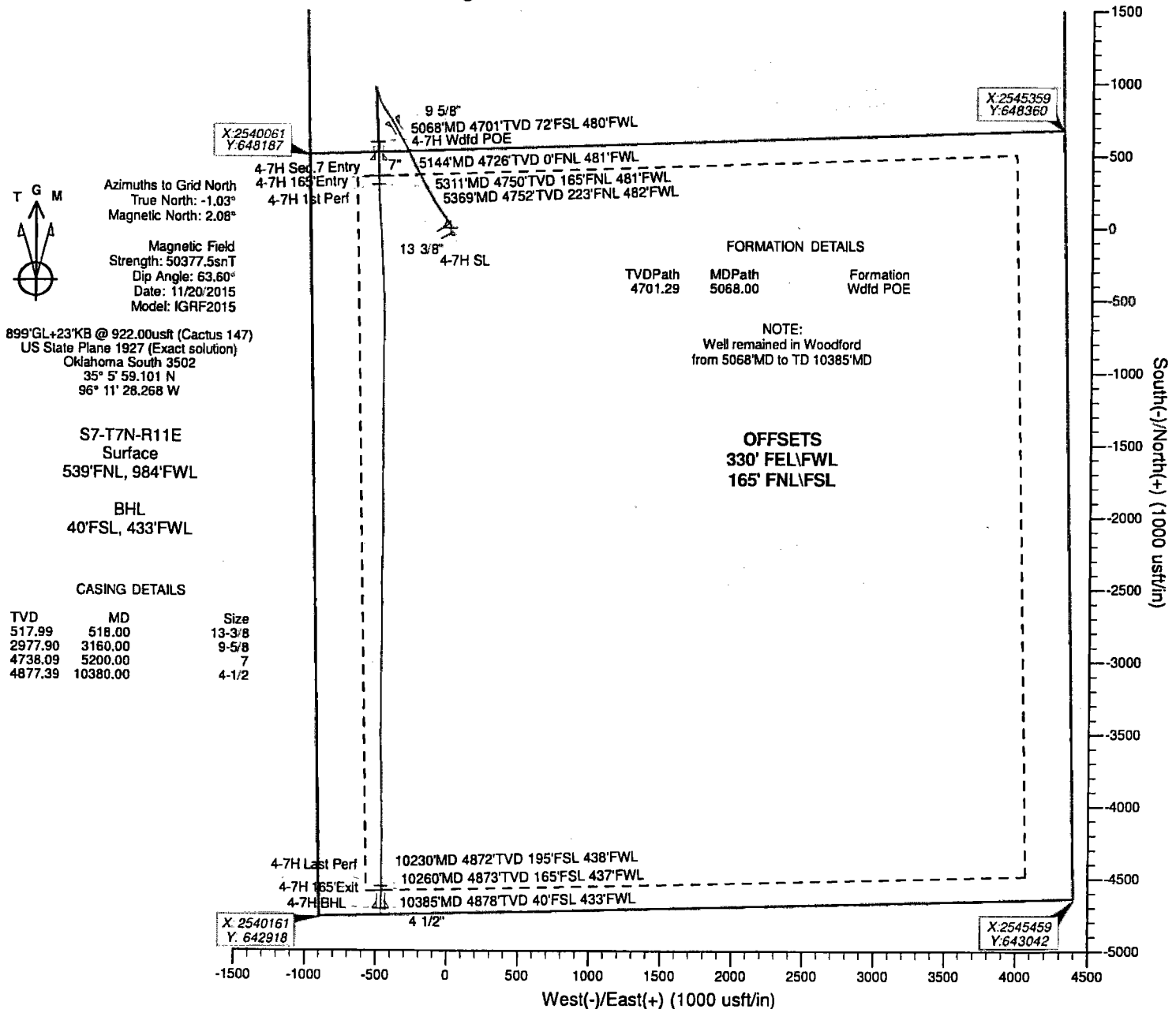




Project: Arkoma OK-S'27  
 County: Hughes  
 Site: Ethel / Lois West Pad  
 Well: Ethel #4-7H  
 Wellbore: #4-7H OH  
 Design: #4-7H OH



## FINAL LOCATION STATEMENT



### DESIGN LOCATION CALLS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
4-7H SL	0.00	0.00	0.00	647680.27	2541054.74	35° 5' 59.101 N	96° 11' 28.268 W
4-7H Wldd POE	4701.29	593.94	-515.21	648274.19	2540539.53	35° 6' 5.066 N	96° 11' 34.339 W
4-7H Sec.7 Entry	4726.36	522.36	-513.10	648202.62	2540541.65	35° 6' 4.358 N	96° 11' 34.329 W
4-7H 165' Entry	4749.96	357.39	-509.69	648037.65	2540545.06	35° 6' 2.726 N	96° 11' 34.324 W
4-7H 1st Perf	4752.49	299.37	-508.19	647979.62	2540546.56	35° 6' 2.152 N	96° 11' 34.318 W
4-7H Last Perf	4871.79	-4556.90	-459.21	643123.47	2540595.54	35° 5' 14.118 N	96° 11' 34.775 W
4-7H 165' Exit	4873.03	-4586.99	-459.60	643093.38	2540595.15	35° 5' 13.821 N	96° 11' 34.786 W
4-7H BHL	4877.56	-4711.78	-461.50	642968.60	2540593.25	35° 5' 12.587 N	96° 11' 34.836 W

6/1/16  
Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
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Form 1002A

**1016EZ**

API No.: 06063245490001

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2/26/16 319 WDFD 1  
XMT - shale

May 12, 2016

1 of 2

EZ

DR