

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

API NUMBER: 125 23944

Approval Date: 11/20/2018

Expiration Date: 05/20/2020

Straight Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 35 Twp: 9N Rge: 2E

County: POTTAWATOMIE

SPOT LOCATION:  C  NE  SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 1980 660

Lease Name: SINGER

Well No: 1

Well will be 660 feet from nearest unit or lease boundary.

Operator  
Name: ABC OIL COMPANY INC

Telephone: 9407615500

OTC/OCC Number: 19055 0

ABC OIL COMPANY INC  
PO BOX 1469  
WICHITA FALLS, TX 76307-1469

ROY L SMITH  
19712 98TH AVE SE  
SNOHOMISH WA 98296

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

	Name	Depth		Name	Depth
1	EARLSBORO	4300	6	SIMPSON DOLOMITE	5500
2	BARTLESVILLE	4400	7	WILCOX	5600
3	HUNTON	5000	8		
4	FERNVALE	5260	9		
5	VIOLA	5300	10		

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 5700

Ground Elevation: 1015

**Surface Casing: 360**

Depth to base of Treatable Water-Bearing FM: 310

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

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 located in a Hydrologically Sensitive Area.

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: WELLINGTON

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER

Notes:

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.

Category	Description
HYDRAULIC FRACTURING	<p>11/7/2018 - GA8 - OCC 165:10-3-10 REQUIRES:</p> <p>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;</p> <p>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: <a href="http://OCCWEB.COM/OG/OGFORMS.HTML">OCCWEB.COM/OG/OGFORMS.HTML</a>; AND,</p> <p>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: <a href="http://FRACFOCUS.ORG">FRACFOCUS.ORG</a></p>
LEASE OUTLINE	11/20/2018 - GA8 - 40 ACRE LEASE (NE SE) PER OP.
SPACING	11/20/2018 - GA8 - FORMATIONS UNSPACED; 40 ACRE LEASE (NE SE)