

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

API NUMBER: 027 21470

Approval Date: 11/04/2014
Expiration Date: 05/04/2015

Directional Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 21 Twp: 8N Rge: 2W County: CLEVELAND
SPOT LOCATION: SE SE SE NE FEET FROM QUARTER: FROM SOUTH FROM WEST
SECTION LINES: 162 2352

Lease Name: ANTHONY Well No: 1 Well will be 162 feet from nearest unit or lease boundary.
Operator Name: GLB EXPLORATION INC Telephone: 4057870049 OTC/OCC Number: 18634 0

GLB EXPLORATION INC
7716 MELROSE LN
OKLAHOMA CITY, OK 73127-6002

JIM & SUSAN WILLIAMSON
2000 E. POST OAK ROAD
NORMAN OK 73072

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

Name	Depth	Name	Depth
1 MISENER-HUNTON	7250	6 MCLISH	8370
2 VIOLA	7591	7 OIL CREEK	8691
3 BROMIDE 1ST (1ST WILCOX)	7920	8	
4 BROMIDE 2ND(2ND WILCOX)	8000	9	
5 TULIP CREEK	8233	10	

Spacing Orders: 184054 Location Exception Orders: Increased Density Orders:
Pending CD Numbers: Special Orders:

Total Depth: 9135 Ground Elevation: 1127 **Surface Casing: 1000** Depth to base of Treatable Water-Bearing FM: 530

Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 2500

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

Within 1 mile of municipal water well? Y

Wellhead Protection Area? Y

Pit is located in a Hydrologically Sensitive Area.

Category of Pit: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: KINGMAN

Approved Method for disposal of Drilling Fluids:

E. Haul to Commercial pit facility: Sec. 16 Twn. 5N Rng. 2W Cnty. 87 Order No: 409163

H. CLOSED SYSTEM=STEEL PITS (REQUIRED, CITY OF NOBLE)

DIRECTIONAL HOLE 1

Sec 21 Twp 8N Rge 2W County CLEVELAND

Spot Location of End Point: NW SE NE SE

Feet From: SOUTH 1/4 Section Line: 1664

Feet From: WEST 1/4 Section Line: 2296

Measured Total Depth: 9135

True Vertical Depth: 9050

End Point Location from Lease,

Unit, or Property Line: 344

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
FRAC FOCUS	11/3/2014 - G71 - THE REQUIREMENT FOR CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS WILL BE EXTENDED TO INCLUDE ALL NON-HORIZONTAL WELLS FOR HYDRAULIC FRACTURING OPERATIONS BEGINNING JANUARY 1, 2014. REFER TO OCC RULE 165:10-3-10 FOR COMPLIANCE REQUIREMENTS. PLEASE REPORT DIRECTLY TO FRACFOCUS USING THE FOLLOWING LINK HTTP://FRACFOCUS.ORG/ OR FOR OCC ASSISTANCE CONTACT DENNIS NISKERN AT 405-522-2977 OR D.NISKERN@OCCEMAIL.COM
POINT OF ENTRY	11/4/2014 - G75 - GREATER THAN 330' FNL & 330' FEL NE4 SE4 21-8N-2W PER OPERATOR
PUBLIC WATER SUPPLY WELLS	11/3/2014 - G71 - UNITED DESIGN CORP, 4 PWS/WPA, NW4 22-8N-2W
SPACING - 184054	11/4/2014 - G75 - (40) SE4 21-8N-2W EXT 43282 B2WX2, TPCK, MCLS, OLCK EXT 56541 VIOL EST MSR, B1WX1, OTHER
SURFACE CASING	11/4/2014 - G75 - MIN. 1000' REQUIRED BY THE CITY OF NOBLE

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027 21470 ANTHONY 1