

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

API NUMBER: 117 23535

Approval Date: 05/07/2013

Expiration Date: 11/07/2013

Straight Hole Disposal

PERMIT TO DRILL

WELL LOCATION: Sec: 22 Twp: 20N Rge: 6E

County: PAWNEE

SPOT LOCATION:  N2  SW  SW  SE

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 412 330

Lease Name: HENAGER

Well No: 1W

Well will be 412 feet from nearest unit or lease boundary.

Operator Name: AOG OPERATING LLC

Telephone: 5124976496

OTC/OCC Number: 23059 0

AOG OPERATING LLC  
5604 SOUTHWEST PKWY APT 3515  
AUSTIN, TX 78735-6277

MORRIS & BARBARA HENAGER  
7022 E. MCELROY RD.  
STILLWATER OK 74075

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

	Name	Depth	Name	Depth
1	CALVIN	780	6	
2	SENORA	1000	7	
3			8	
4			9	
5			10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 1200

Ground Elevation: 870

Surface Casing: 0

Depth to base of Treatable Water-Bearing FM: 370

**Cement will be circulated from Total Depth to the Ground Surface on the Production Casing String.**

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: No

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: AIR

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: 4

Liner not required for Category: 4

Pit Location is BED AQUIFER

Pit Location Formation: VANOSS

Mud System Change to Water-Based or Oil-Based Mud Requires an Amended Intent (Form 1000).

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

H. CBL REQUIRED

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
ALTERNATE CASING	5/2/2013 - G71 - APPROVED - COPY OF CBL NEEDS TO BE SUBMITTED TO THE TECHNICAL STAFF AS SOON AS POSSIBLE. A COMPLETION ATTEMPT, IN CASES WHERE THE PROTECTION OF THE TREATABLE WATER IS QUESTIONABLE, IS STRICTLY PROHIBITED. RULE 165: 10-3-4 (D)(4)(C)
SPACING	5/7/2013 - G30 - N/A - DISPOSAL WELL

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.

117 23535 HENAGER 1W