

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

API NUMBER: 047 24935

Approval Date: 09/22/2014  
Expiration Date: 03/22/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 24N Rge: 7W County: GARFIELD  
SPOT LOCATION:  NE  NE  NW  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 173 1388

Lease Name: ST. BERNARD Well No: 5-9H Well will be 173 feet from nearest unit or lease boundary.  
Operator Name: ARP OKLAHOMA LLC Telephone: 4124890311 OTC/OCC Number: 23072 0

ARP OKLAHOMA LLC  
425 HOUSTON ST STE 300  
FORT WORTH, TX 76102-3951

LOLA FAYE LINGO, TRUSTEE  
504 NATHAN WAY  
YUKON OK 73099

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5860	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 542021 Location Exception Orders: Increased Density Orders: 625683  
Pending CD Numbers: 201406231 Special Orders:

Total Depth: 11114 Ground Elevation: 1180 **Surface Casing: 600** Depth to base of Treatable Water-Bearing FM: 280

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: 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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: SALT PLAINS

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-28385  
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 09 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: W2 SW SW SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2550

Depth of Deviation: 5908

Radius of Turn: 478

Direction: 190

Total Length: 4455

Measured Total Depth: 11114

True Vertical Depth: 6294

End Point Location from Lease,  
Unit, or Property Line: 330

Notes:

Category	Description
DEEP SURFACE CASING	9/12/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
INCREASED DENSITY - 625683	9/22/2014 - G75 - 9-24N-7W X542021 MSSLM 3 WELLS ARP OKLAHOMA, LLC 5-20-2014
PENDING CD - 201406231	9/22/2014 - G75 - (I.O.) 9-24N-7W X542021 MSSLM SHL NCT 100 FNL, NCT 1320 FEL POE NCT 200 FNL, NCT 1320 FEL BHL NCT 200 FSL, NCT 1320 FEL NO OP. NAMED REC 9-15-2014 (LEAVITT)
SPACING - 542021	9/22/2014 - G75 - (640) 9-24N-7W VAC 261030 MSSLM, OTHERS EXT 396024 MSSLM, OTHERS

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