

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

API NUMBER: 047 25010

Approval Date: 02/04/2015  
Expiration Date: 08/04/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 05 Twp: 24N Rge: 7W County: GARFIELD  
SPOT LOCATION:  SE  SE  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 173 2552

Lease Name: OTTERHOUND Well No: 7-8H 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

OVERTON LIMITED PARTNERSHIP C/O JOYCE OVERTON  
P.O. BOX 635  
POND CREEK OK 73766

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

Name	Depth	Name	Depth
1 MISSISSIPPI LIME	5890	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 67722

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201500195  
201500124

Special Orders:

Total Depth: 10973

Ground Elevation: 1186

**Surface Casing: 600**

Depth to base of Treatable Water-Bearing FM: 80

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: 15-29438

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 08 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: C S2 S2 SE

Feet From: SOUTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1320

Depth of Deviation: 5144

Radius of Turn: 475

Direction: 170

Total Length: 5083

Measured Total Depth: 10973

True Vertical Depth: 5968

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

Notes:

Category	Description
DEEP SURFACE CASING	1/28/2015 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
PENDING CD - 201500124	1/28/2015 - G75 - 8-24N-07W X67722 MSSLM 1 WELL NO OP. NAMED REC 2-3-2015 (NORRIS)
PENDING CD - 201500195	1/28/2015 - G75 - (I.O.) X67722 MSSLM SHL NCT 150 FSL, NCT 1320 FWL 5-24N-7W POE NCT 200 FNL, NCT 1320 FEL 8-24N-7W BHL NCT 200 FSL, NCT 1320 FEL 8-24N-7W NO OP. NAMED REC 2-3-2015 (NORRIS)
SPACING - 67722	1/28/2015 - G91 - (640) 8-24N-7W EST MSSLM, OTHERS

API 047-25010



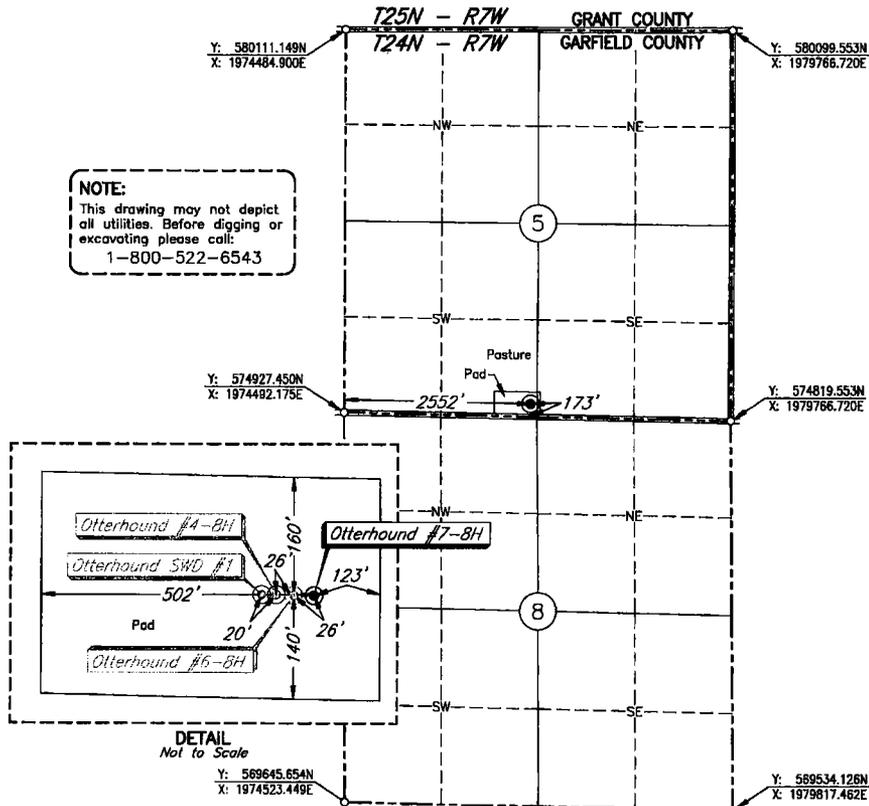
**CIMARRON.**  
SURVEYING & MAPPING CO.

OKLAHOMA City, OK  
(405) 692-7348  
CIMARRONOKC.COM

C.A. No. 1780 Expires JUNE 30, 2014

GARFIELD County, Oklahoma

173'FSL - 2552'FWL Section 5 Township 24N Range 7W I.M.



Scale: 1" = 1000'

Date Staked: January 9, 2015

GPS Observation: Latitude 36°34'46.892" N  
Longitude 97°58'15.245" W

State Plane NAD83 Y: 575048N  
Oklahoma North Zone: X: 1977044E

Operator: ARP OKLAHOMA, LLC

Elevation: 1186'

Lease Name: OTTERHOUND

Well No.: 7-8H

Topography & Vegetation: Pasture

Alternate Location Stakes Set: No

Good Drill Site? Yes

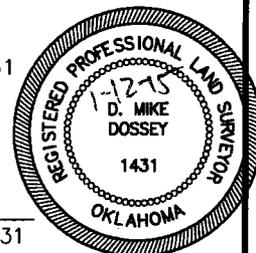
Best Accessibility to Location: From the South Line

Distance & Direction

from Hwy Jct or Town: From junction of State Hwy. 45 & State Hwy. 132; Thence north 7 miles along State Hwy. 132; Thence east 2 miles to the Southwest Corner of Section 5.

SURVEYOR'S CERTIFICATE:

I, D. MIKE DOSSEY, Registered Professional Land Surveyor, No. 1431 do hereby certify that the above described well location was carefully staked on the ground as shown and that all ties and distances shown are from existing lines of occupation.



JOB NO.:	141424E				
DATE:	01/12/15				
DRAWN BY:	N.J.S.	NO.	REVISION	DATE	BY

*D. Mike Dossey*  
D. MIKE DOSSEY R.P.L.S. # 1431