

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

API NUMBER: 047 24934

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: 193 1388

Lease Name: SALUKI Well No: 5-4H Well will be 193 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: 67722 Location Exception Orders: Increased Density Orders: 623673  
Pending CD Numbers: 201406230 Special Orders:

Total Depth: 11010 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: 14-28384  
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 04 Twp 24N Rge 7W County GARFIELD

Spot Location of End Point: W2 NW NW NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2577

Depth of Deviation: 5632

Radius of Turn: 477

Direction: 350

Total Length: 4629

Measured Total Depth: 11010

True Vertical Depth: 5897

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

Notes:

Category	Description
DEEP SURFACE CASING	9/11/2014 - G76 - 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 - 623673	9/22/2014 - G75 - 4-24N-7W X67722 MSSLM 3 WELLS ARP OKLAHOMA, LLC 4-8-2014
PENDING CD - 201406230	9/22/2014 - G75 - (I.O.) X67722 MSSLM SHL NCT 100 FNL, NCT 1320 FEL 9-24N-7W POE NCT 200 FSL, NCT 1320 FEL 4-24N-7W BHL NCT 200 FNL, NCT 1320 FEL 4-24N-7W NO OP. NAMED REC 9-15-2014 (LEAVITT)
SPACING - 67722	9/22/2014 - G75 - (640) 4-24N-7W EST MSSLM, OTHERS

APT 047-24934



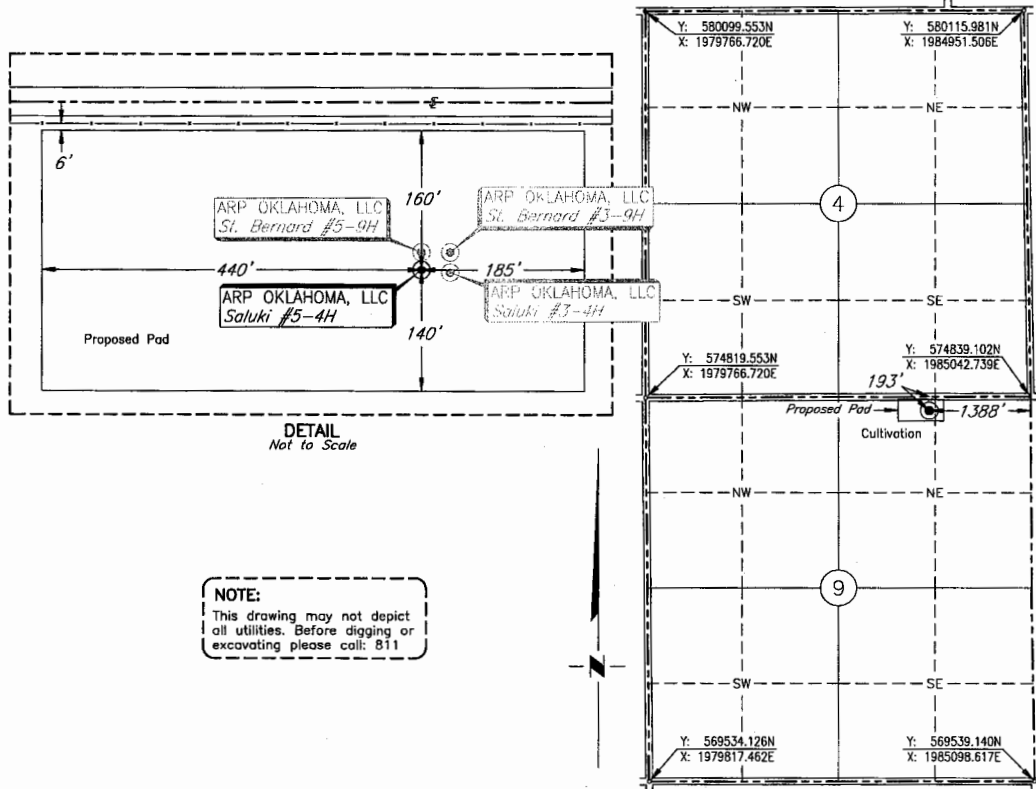
**CIMARRON**  
SURVEYING & MAPPING CO.

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

C.A. No. 1780 Expires June 30, 2016

GARFIELD County, Oklahoma

193'FNL - 1388'FEL Section 9 Township 24N Range 7W I.M.



**NOTE:**  
This drawing may not depict  
all utilities. Before digging or  
excavating please call: 811

Scale: 1" = 2000'

Date Staked: August 13, 2013

GPS Observation: Latitude 36°34'42.837" N  
Longitude 97°56'54.186" W

State Plane NAD83 Y: 574640.961N  
Oklahoma North Zone: X:1983655.566E

Operator: ARP OKLAHOMA, LLC

Elevation: 1180'

Lease Name: SALUKI

Well No.: 5-4H

Topography & Vegetation: Cultivation

Alternate Location Stakes Set: No

Good Drill Site? Yes

Best Accessibility to Location: From the North Line

Distance & Direction

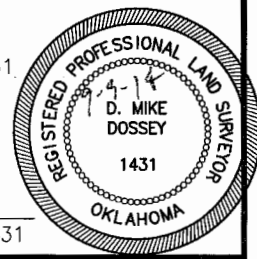
from Hwy Jct or Town: From the town of Hillsdale; Thence north approx. 1/8 mile;

Thence east 1 3/4 miles; Thence north 1 mile; Thence east 1 mile to the Northeast

Corner of Section 9.

**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.:	1314220F	2	GENERAL REVISION	09/08/14	N.J.S.
DATE:	08/13/13	1	GENERAL REVISION	08/26/13	T.A.W.
DRAWN BY:	T.A.W.	NO.	REVISION	DATE	BY

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

APT 047-24935



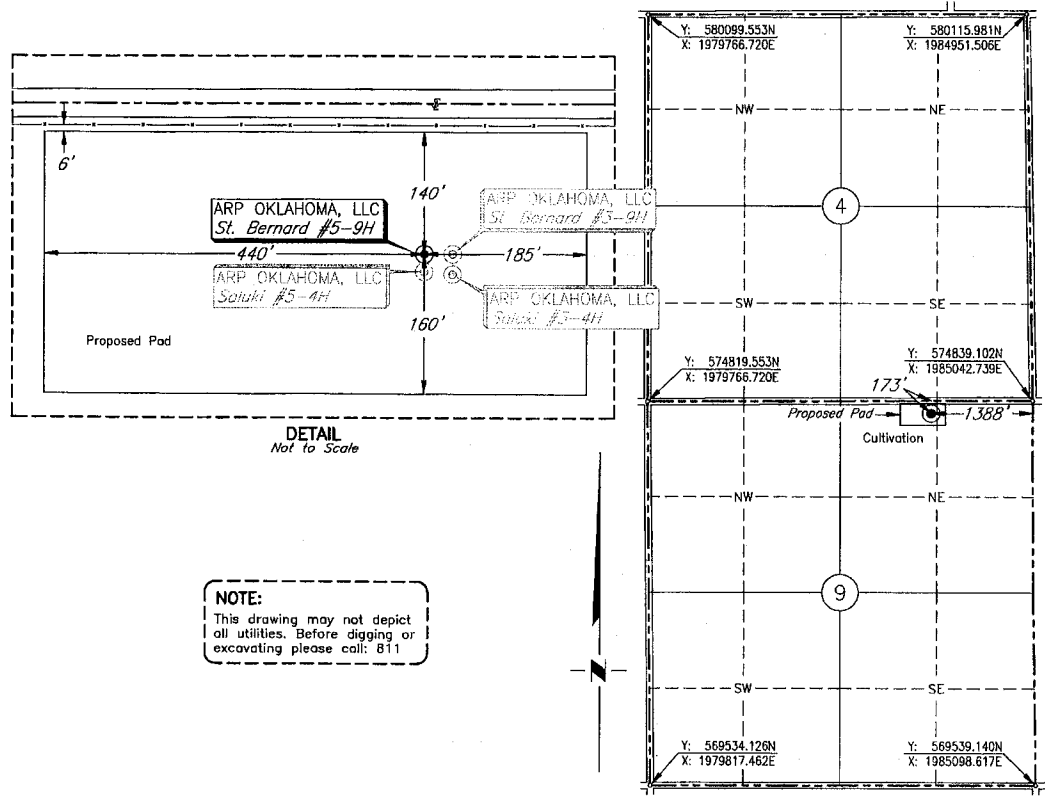
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SURVEYING & MAPPING CO.

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CIMARRONOKC.COM

C.A. No. 1780 Expires June 30, 2016

Garfield County, Oklahoma

173'FNL - 1388'FEL Section 9 Township 24N Range 7W I.M.



**DETAIL**  
Not to Scale

**NOTE:**  
This drawing may not depict all utilities. Before digging or excavating please call: 811

Scale: 1" = 2000'

Date Staked: August 13, 2013

GPS Observation: Latitude 36°34'43.035" N  
Longitude 97°56'54.187" W

State Plane NAD83 Y: 574660.961N  
Oklahoma North Zone: X: 1983655.481E

Operator: ARP OKLAHOMA, LLC Elevation: 1180'

Lease Name: ST. BERNARD Well No.: 5-9H

Topography & Vegetation: Cultivation

Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the North Line

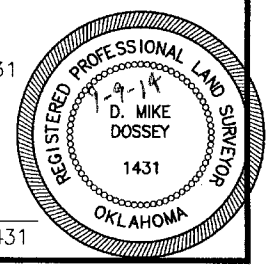
Distance & Direction  
from Hwy Jct or Town: From the town of Hillsdale; Thence north approx. 1/8 mile;

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