

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

API NUMBER: 047 24852

Approval Date: 05/09/2014
Expiration Date: 11/09/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 09 Twp: 24N Rge: 7W County: GARFIELD
SPOT LOCATION: NE NW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 173 578

Lease Name: ST. BERNARD Well No: 4-9H Well will be 173 feet from nearest unit or lease boundary.
Operator Name: ARP OKLAHOMA LLC Telephone: 8174397559 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:

Pending CD Numbers: 201402151
201402103

Special Orders:

Total Depth: 11020 Ground Elevation: 1192 **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: Yes

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: 14-26292
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 SE SW

Feet From: SOUTH 1/4 Section Line: 330

Feet From: WEST 1/4 Section Line: 1500

Depth of Deviation: 5400

Radius of Turn: 746

Direction: 170

Total Length: 4448

Measured Total Depth: 11020

True Vertical Depth: 6121

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

Notes:

Category	Description
DEEP SURFACE CASING	5/6/2014 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING
PENDING CD - 201402103	5/8/2014 - G75 - 9-24N-7W X542021 MSSLM 3 WELLS NO OP. NAMED REC 4-29-2014 (OSBURN)
PENDING CD - 201402151	5/8/2014 - G75 - (I.O.) 9-24N-7W X542021 MSSLM SHL NCT 150 FNL, NCT 150 FWL POE NCT 200 FNL, NCT 330 FWL BHL NCT 200 FSL, NCT 330 FWL NO OP. NAMED REC 4-21-2014 (P. PORTER)
SPACING - 542021	5/8/2014 - G75 - (640) 9-24N-7W VAC 261030 MSSLM, OTHERS EXT 396024 MSSLM, OTHERS

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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.

API 047-24852



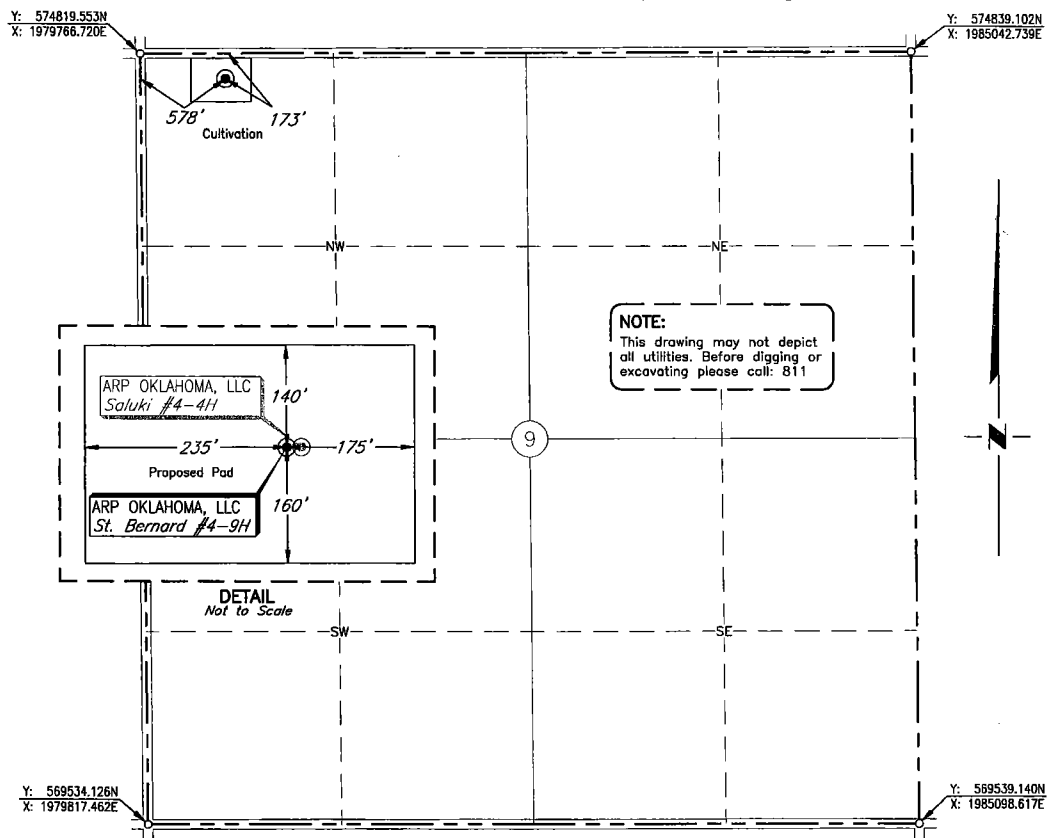
CIMARRON
SURVEYING & MAPPING CO.

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

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

GARFIELD County, Oklahoma

173'FNL - 578'FWL Section 9 Township 24N Range 7W 1.M.



Scale: 1" = 1000'

Date Staked: March 20, 2014

GPS Observation: Latitude 36°34'42.930" N
Longitude 97°57'34.758" W

State Plane NAD83 Y: 574648.703N
Oklahoma North Zone: X: 1980346.382E

Operator: ARP OKLAHOMA, LLC Elevation: 1192'

Lease Name: ST. BERNARD Well No.: 4-9H

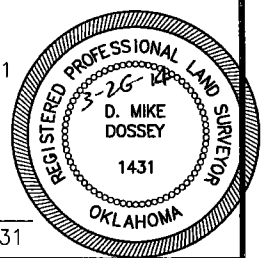
Topography & Vegetation: Cultivation

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 east approx. 1 3/4 miles;
Thence north 1 mile to the Northwest 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.



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

JOB NO.:	141434B			
DATE:	03/21/14			
DRAWN BY:	RLK	NO.	REVISION	DATE BY