

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

API NUMBER: 083 24261

Approval Date: 02/11/2014

Expiration Date: 08/11/2014

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 04 Twp: 19N Rge: 3W

County: LOGAN

SPOT LOCATION: ☐ SE ☐ SW ☐ SW ☐ SE

FEET FROM QUARTER: FROM SOUTH FROM EAST

SECTION LINES: 240 2080

Lease Name: JUDY RAE

Well No: 1-4CH

Well will be 240 feet from nearest unit or lease boundary.

Operator Name: KIRKPATRICK OIL COMPANY INC

Telephone: 4058402882

OTC/OCC Number: 19792 0

KIRKPATRICK OIL COMPANY INC
1001 W WILSHIRE BLVD STE 202
OKLAHOMA CITY, OK 73116-7025

JUDY RAE RAFFERTY
4941 E. COLORADO STREET
LONG BEACH CA 90814

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

Name	Depth	Name	Depth
1 CLEVELAND	4975	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 591552

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201400168
201400167

Special Orders:

Total Depth: 9445

Ground Elevation: 1137

Surface Casing: 290

Depth to base of Treatable Water-Bearing FM: 240

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 5000 Average: 3000

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: 2

Liner not required for Category: 2

Pit Location is BED AQUIFER

Pit Location Formation: GARBER

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT)

PERMIT NO: 14-26289

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 19N Rge 3W County LOGAN

Spot Location of End Point: NE NW NW NE

Feet From: NORTH 1/4 Section Line: 200

Feet From: EAST 1/4 Section Line: 2080

Depth of Deviation: 4300

Radius of Turn: 695

Direction: 1

Total Length: 4053

Measured Total Depth: 9445

True Vertical Depth: 4995

End Point Location from Lease,

Unit, or Property Line: 200

Additional Surface Owner	Address	City, State, Zip
MONA LISA WRIGHT	17039 ELGAR AVENUE	TORRANCE, CA 90504

Notes:

Category

Description

PENDING CD - 201400167

2/11/2014 - G30 - 4-19N-3W
X591552 CLVD
1 WELL
NO OP. NAMED
REC 2/10/14 (STUCK)

PENDING CD - 201400168

2/11/2014 - G30 - 4-19N-3W
X591552 CLVD
SHL NCT 200 FSL, NCT 2080 FEL
1ST PERF NCT 660 FSL, NCT 2080 FEL
LAST PERF NCT 200 FNL, NCT 2080 FEL
NO OP. NAMED
REC 2/10/14 (STUCK)

SPACING - 591552

2/11/2014 - G30 - (640 HOR) 4-19N-3W
EST CLVD, OTHERS
POE TO BHL NLT 660' FB
(SUPERSEDE NON-DEVELOPED NON-HORIZONTAL SPACING UNITS)

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083 24261 JUDY RAE 1-4CH

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