

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

API NUMBER: 045 23291

Approval Date: 12/21/2012

Expiration Date: 06/21/2013

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 28 Twp: 17N Rge: 24W

County: ELLIS

SPOT LOCATION:

NW

NW

NW

NW

FEET FROM QUARTER: FROM

NORTH

FROM

WEST

SECTION LINES:

235

245

Lease Name: BERRYMAN

Well No: 6-29H

Well will be 235 feet from nearest unit or lease boundary.

Operator Name: CRAWLEY PETROLEUM CORPORATION

Telephone: 4052329700

OTC/OCC Number: 7980 0

CRAWLEY PETROLEUM CORPORATION
105 N HUDSON AVE STE 800
OKLAHOMA CITY, OK 73102-4803

MIKE GROSS
HCR 63, BOX 49
ARNETT OK 73832

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

Name	Depth	Name	Depth
1 CLEVELAND	9763	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 138264

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201207675

Special Orders:

Total Depth: 14800

Ground Elevation: 2261

Surface Casing: 430

Depth to base of Treatable Water-Bearing FM: 380

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: Yes

Surface Water used to Drill: No

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: ON SITE

Type of Mud System: WATER BASED

Chlorides Max: 70000 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: 1B

Liner required for Category: 1B

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

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

PERMIT NO: 12-22198

H. SEE MEMO

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.

PIT 2 INFORMATION

Type of Pit System: ON SITE

Type of Mud System: OIL BASED

Chlorides Max: 300000 Average: 200000

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: 3

Liner required for Category: 3

Pit Location is AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 29 Twp 17N Rge 24W County ELLIS

Spot Location of End Point: SW SE SE SE

Feet From: NORTH 1/4 Section Line: 2340

Feet From: WEST 1/4 Section Line: 2140

Depth of Deviation: 9200

Radius of Turn: 10

Direction: 180

Total Length: 4600

Measured Total Depth: 14800

True Vertical Depth: 9800

End Point Location from Lease,
Unit, or Property Line: 300

Notes:

Category

Description

MEMO

12/21/2012 - G71 - PIT 1 - SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL
PIT LINER, PIT 2 - 20-MIL LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTINGS
PERMITTED PER DISTRICT

PENDING CD - 201207675

12/21/2012 - G30 - 29-17N-24W
X138264 CLVD
SHL NCT 200 FNL, NCT 200 FWL 28-17N-24W
POE NCT 300 FNL, NCT 500 FEL 29-17N-24W
BHL NCT 300 FSL, NCT 500 FEL 29-17N-24W
NO OP. NAMED
REC 12/18/12 (OSBURN)

SPACING - 138264

12/21/2012 - G30 - (640) 29-17N-24W
EXT 131528 CLVD, OTHERS
EXT OTHERS

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Office of the Conservation Division as to when Surface Casing will be run.

045 23291 BERRYMAN 6-29H