

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

API NUMBER: 045 23464 A

Approval Date: 02/26/2015  
Expiration Date: 08/26/2015

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 16N Rge: 24W County: ELLIS  
SPOT LOCATION:  SE  SE  SE  SW FEET FROM QUARTER: FROM SOUTH FROM WEST  
SECTION LINES: 225 2541

Lease Name: WILDLIFE Well No: 2-3H Well will be 225 feet from nearest unit or lease boundary.  
Operator Name: DUNCAN OIL PROPERTIES INC Telephone: 4052721800 OTC/OCC Number: 15876 0

DUNCAN OIL PROPERTIES INC  
100 PARK AVE STE 1200  
OKLAHOMA CITY, OK 73102-8023

OKLAHOMA DEPARTMENT OF WILDLIFE  
CONSERVATION  
P.O. BOX 53465  
OKLAHOMA CITY OK 73152

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

Name	Depth	Name	Depth
1 CLEVELAND	9703	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 135144 Location Exception Orders: 621783 Increased Density Orders:

Pending CD Numbers: Special Orders:

Total Depth: 14350 Ground Elevation: 2103 Surface Casing: 490 Depth to base of Treatable Water-Bearing FM: 440

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: 90000 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: OGALLALA

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 14-26883

E. Haul to Commercial pit facility: Sec. 24 Twn. 14N Rng. 21W Cnty. 129 Order No: 372833

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: CLOSED Closed System Means Steel Pits

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: C

Liner not required for Category: C

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

HORIZONTAL HOLE 1

Sec 03 Twp 16N Rge 24W County ELLIS

Spot Location of End Point: E2 NE NE NW

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 2600

Depth of Deviation: 9135

Radius of Turn: 573

Direction: 1

Total Length: 4282

Measured Total Depth: 14350

True Vertical Depth: 9708

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

Notes:

Category

Description

LOCATION EXCEPTION - 621783

4/21/2014 - G72 - 3-16N-24W I.O. X 135144 CLVD, OTHERS;  
COMPL INT 1ST PERF NCT 330 FSL NCT 1320 FEL OR FWL,  
LAST PERF NCT 330 FNL NCT 1320 FEL OR FWL.  
DUNCAN OIL PROPERTIES, INC.  
2/20/2014

MEMO

PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS (REQUIRED - CANADIAN RIVER), PIT 2 - OBM  
RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 135144

4/21/2014 - G72 - 3-16N-24W (640) EST CLVD, EXT OTHERS.