

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

API NUMBER: 039 22497

Approval Date: 01/10/2017  
Expiration Date: 07/10/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 32 Twp: 15N Rge: 18W County: CUSTER  
SPOT LOCATION:  NW  NW  NE  NE FEET FROM QUARTER: FROM NORTH FROM EAST  
SECTION LINES: 216 1267

Lease Name: GOSS Well No: 1-29HMC Well will be 216 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

KENT GOSS & DANNA GOSS  
P.O. BOX 152  
LEEDEY OK 73654

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

Name	Depth	Name	Depth
1 CLEVELAND	9846	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 109179

Location Exception Orders: 654281  
643895

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 14500

Ground Elevation: 1803

**Surface Casing: 1500**

Depth to base of Treatable Water-Bearing FM: 400

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: 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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

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

PERMIT NO: 17-31998

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

HORIZONTAL HOLE 1

Sec 29 Twp 15N Rge 18W County CUSTER

Spot Location of End Point: W2 E2 NW NE

Feet From: NORTH 1/4 Section Line: 660

Feet From: EAST 1/4 Section Line: 1900

Depth of Deviation: 9273

Radius of Turn: 573

Direction: 355

Total Length: 4327

Measured Total Depth: 14500

True Vertical Depth: 9846

End Point Location from Lease,  
Unit, or Property Line: 660

Notes:

Category

Description

DEEP SURFACE CASING

1/9/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY FOR ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON CONDUCTOR OR SURFACE CASING

HYDRAULIC FRACTURING

1/9/2017 - G71 - OCC 165:10-3-10 REQUIRES: 1) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS BE REPORTED TO FRACFOCUS USING THE FOLLOWING LINK [HTTP://FRACFOCUS.ORG/](http://fracfocus.org/) WITH NOTICE GIVEN 48 HOURS IN ADVANCE OF FRACTURING TO THE LOCAL OCC DISTRICT OFFICE; AND, 2) PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE ALSO GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE

LOCATION EXCEPTION - 643895

1/10/2017 - G75 - (I.O.)  
X109179 CLVD  
SHL (32-15N-18W) NCT 175' FNL, NCT 1100' FEL  
COMPL. INT. (29-15N-18W) NCT 330' FSL, NCT 330' FNL, NCT 1100' FEL  
DUNCAN OIL PROPERTIES, INC.  
8-5-2015

LOCATION EXCEPTION - 654281

1/10/2017 - G75 - EXTEND 643895 UNTIL 8-5-2017

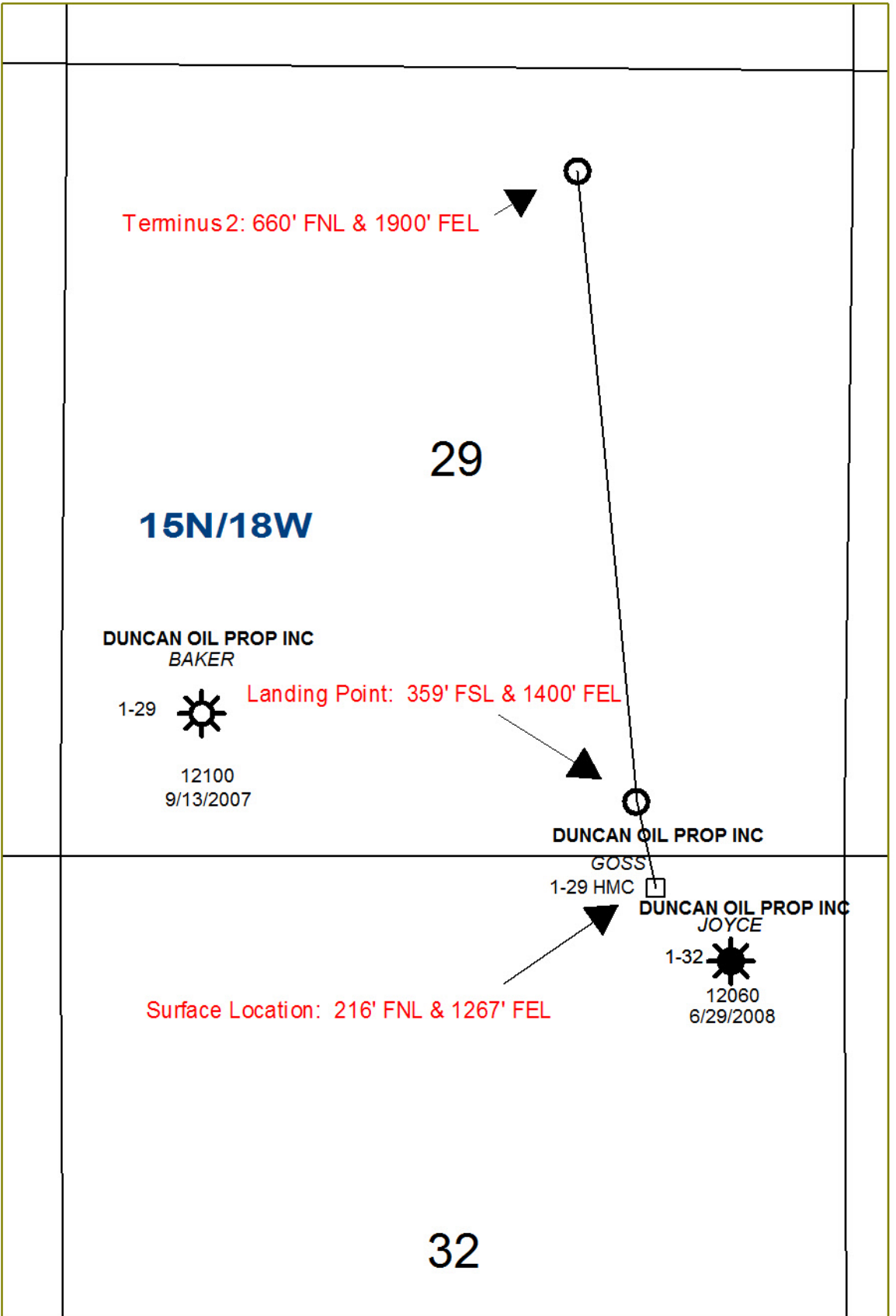
MEMO

1/9/2017 - G71 - PIT 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST; PIT 2 - OBM TO VENDOR, OBM CUTTINGS PER DISTRICT

SPACING - 109179

1/10/2017 - G75 - (640) 29-15N-18W  
EXT 105053 CLVD, OTHERS  
EST OTHER

This permit does not address the right of entry or settlement of surface damages.  
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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.



Terminus2: 660' FNL & 1900' FEL

29

15N/18W

DUNCAN OIL PROP INC  
BAKER



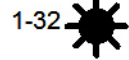
12100  
9/13/2007

Landing Point: 359' FSL & 1400' FEL

DUNCAN OIL PROP INC

GOS  
1-29 HMC

DUNCAN OIL PROP INC  
JOYCE



12060  
6/29/2008

Surface Location: 216' FNL & 1267' FEL

32



**Duncan**  
Oil Properties, Inc.

190 Park Avenue Building, Suite 1200  
Oklahoma City, Oklahoma 73102  
(405) 273-1800

Section 29-15N-18W  
Custer County, Oklahoma  
Location Plat

Scale:	1" = 1000'	Date:	January 1, 2017