

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

API NUMBER: 045 23628

Approval Date: 12/22/2016  
Expiration Date: 06/22/2017

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 03 Twp: 16N Rge: 24W County: ELLIS  
SPOT LOCATION:  NW  NW  NE  NW FEET FROM QUARTER: FROM NORTH FROM WEST  
SECTION LINES: 152 1469

Lease Name: ROADRUNNER Well No: 4-34H Well will be 152 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

CHRISTOPHER CHAD SEAY  
P.O. BOX 1432  
CLARENDON TX 79226

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

Name	Depth	Name	Depth
1 CLEVELAND	9808	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 138264 Location Exception Orders: 635454 Increased Density Orders: 642985  
648163 653773

Pending CD Numbers:

Special Orders:

Total Depth: 14654 Ground Elevation: 2252 **Surface Casing: 600** Depth to base of Treatable Water-Bearing FM: 460

Under Federal Jurisdiction: Yes

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 AP/TE DEPOSIT

Pit Location Formation: TERRACE

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 16-31957

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 34 Twp 17N Rge 24W County ELLIS

Spot Location of End Point: W2 NW NE NE

Feet From: NORTH 1/4 Section Line: 330

Feet From: EAST 1/4 Section Line: 1230

Depth of Deviation: 9500

Radius of Turn: 353

Direction: 357

Total Length: 4600

Measured Total Depth: 14654

True Vertical Depth: 9838

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

Notes:

Category

Description

HYDRAULIC FRACTURING

12/21/2016 - 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.

INCREASED DENSITY - 642985

12/22/2016 - G60 - 34-17N-24W  
X138264 CLVD  
2 WELLS  
NO OP. NAMED  
6/10/15

INCREASED DENSITY - 653773

12/22/2016 - G60 - 34-17N-24W  
EXT OF TIME 642985 TO 6/10/17

LOCATION EXCEPTION - 635454

12/22/2016 - G60 - 34-17N-24W  
X138264 CLVD  
SHL 250'FSL, 750' FEL \*\*  
COMPL. INT. NCT 330' FSL, NCT 330' FNL, NCT 660' FEL  
DUNCAN OIL PROPERTIES, INC.  
1/20/15

\*\*SHL WILL BE CHANGED AT HEARING FOR FINAL ORDER LOCATION EXCEPTION PER OPERATOR

LOCATION EXCEPTION - 648163

12/22/2016 - G60 - (I.O.) 34-17N-24W  
EXT OF TIME FOR 635454 TO 1/20/17

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.

Category	Description
MEMO	12/21/2016 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT
SPACING - 138264	12/21/2016 - G60 - (640) 34-17N-24W EXT 131528 CLVD, OTHERS EXT OTHERS

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.

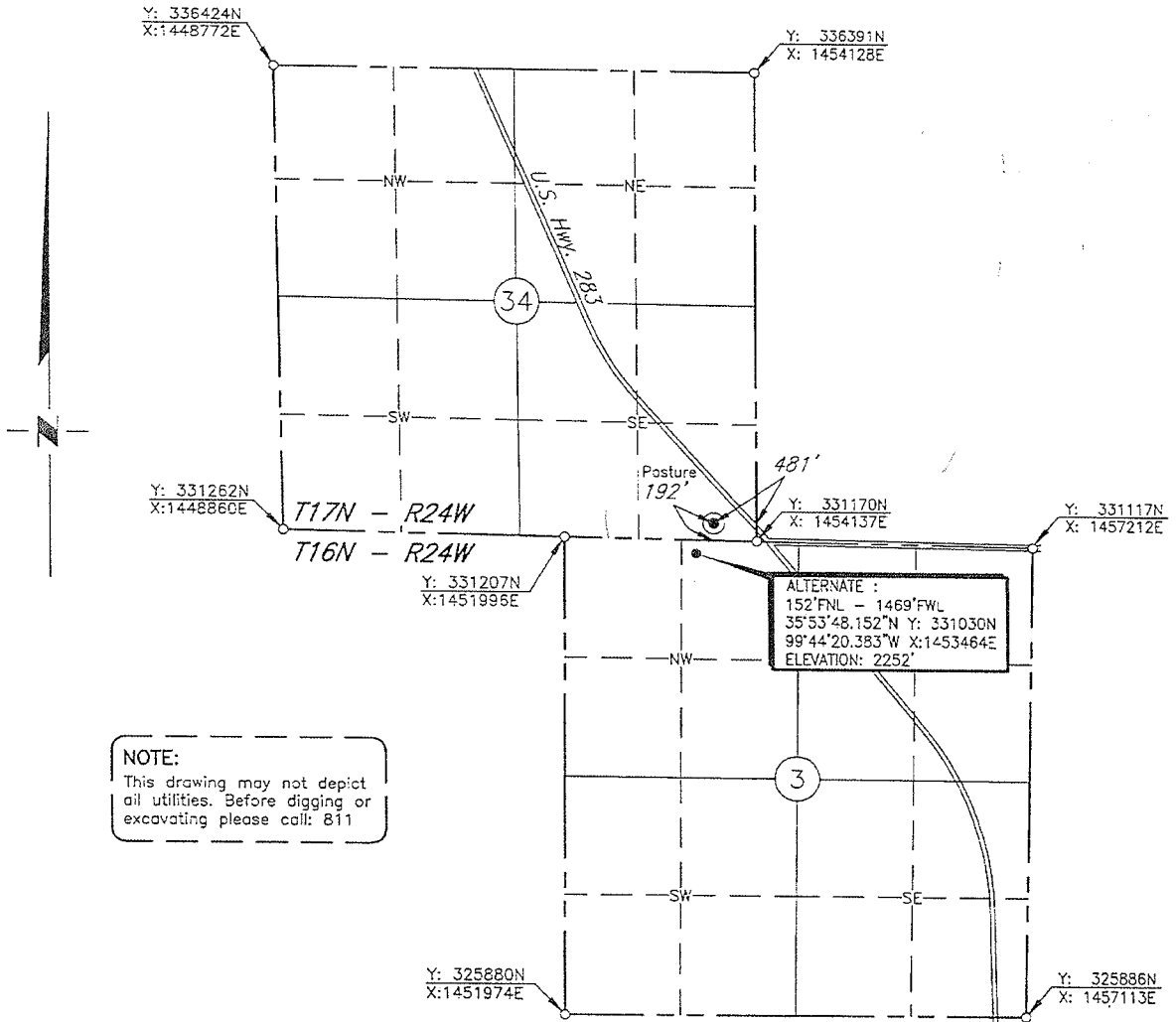


**CIMARRON**  
SURVEYING & MAPPING CO.

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

C.A. No. 1780 EXPIRES JUNE 30, 2016

ELLIS County, Oklahoma  
192'FSL - 481'FEL Section 34 Township 17N Range 24W I.M.



**NOTE:**  
This drawing may not depict  
oil utilities. Before digging or  
excavating please call: 811

Scale: 1" = 2000'

Date Staked: June 10, 2015

GPS Observation: Latitude 35°53'51.554" N  
Longitude 99°44'18.090" W

State Plane NAD83 Y: 331370N  
Oklahoma North Zone: X: 1453659E

Operator: DUNCAN OIL PROPERTIES Elevation: 2255'

Lease Name: ROADRUNNER Well No.: 4-34H

Topography & Vegetation: Pasture

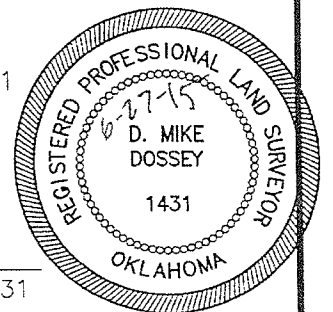
Alternate Location Stakes Set: No Good Drill Site? Yes

Best Accessibility to Location: From the East Line

Distance & Direction  
from Hwy Jct or Town: From the junction of U.S. Hwy. 283 & U.S. Hwy. 60 & St.  
Hwy. 51; Thence south approx. 16 1/2 mile to the Southeast Corner of Section 34.

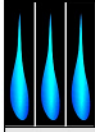
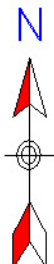
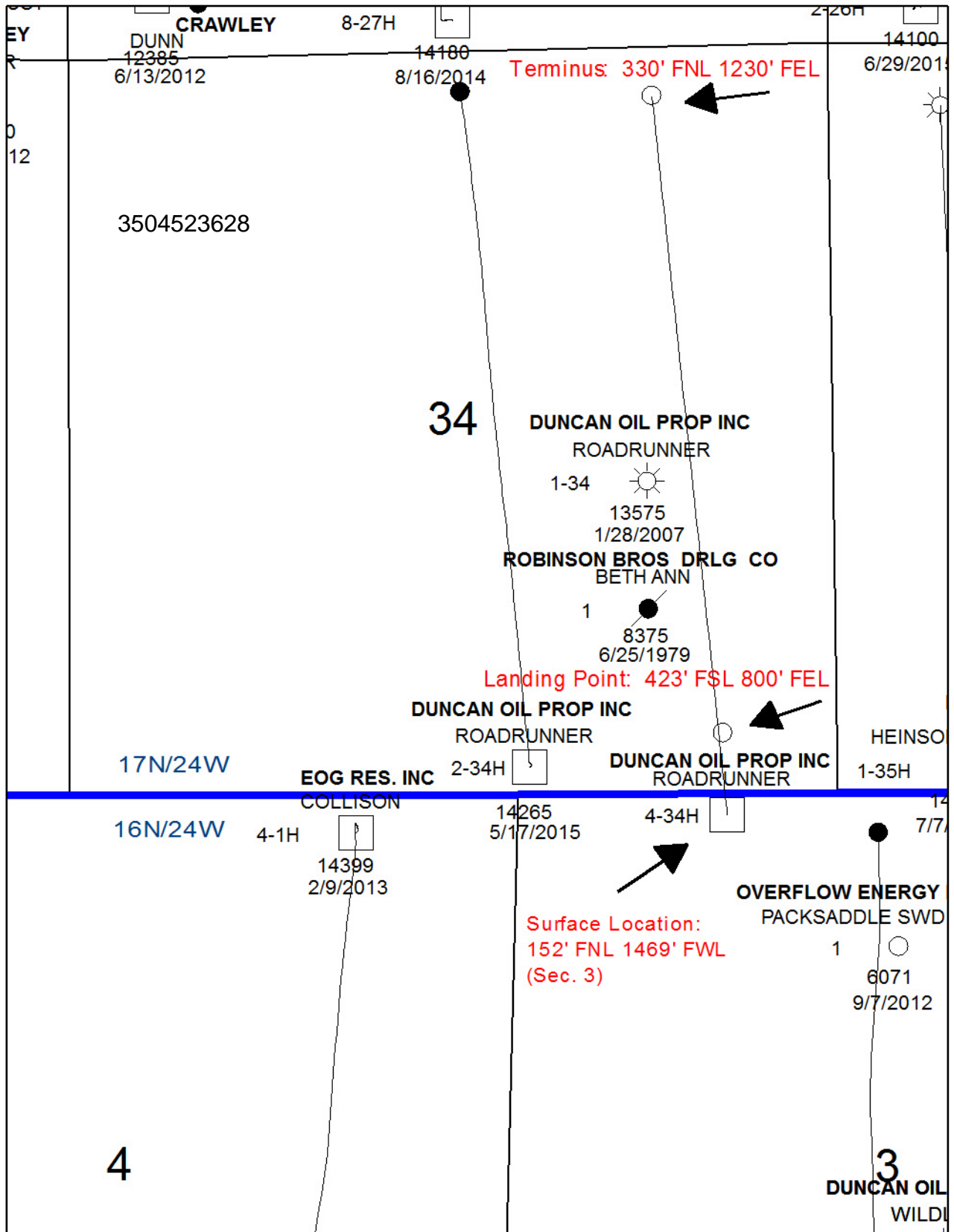
**SURVEYOR'S CERTIFICATE:**

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.



JOB NO.:	1514120				
DATE:	06/11/15	1	ADDED ALTERNATE	06/24/15	N.J.S.
DRAWN BY:	N.J.S.	NO.	REVISION	DATE	BY

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



**Duncan Oil Properties, Inc.**

100 Park Avenue Building, Suite 1200  
Oklahoma City, Oklahoma 73102  
(405) 272-1800

**Section 34-17N-24W**  
Elfus County, Oklahoma  
**Location Plat**

Scale:	1" = 1000'	Date:	20 December, 2016