

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

API NUMBER: 051 24570

Approval Date: 02/05/2019

Expiration Date: 08/05/2020

Straight Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 17 Twp: 3N Rge: 7W

County: GRADY

SPOT LOCATION:

FEET FROM QUARTER: FROM NORTH FROM EAST

SECTION LINES: 660 535

Lease Name: LARRY JACKSON

Well No: 5-17

Well will be 535 feet from nearest unit or lease boundary.

Operator Name: SUNDOWN ENERGY LP

Telephone: 2143686100

OTC/OCC Number: 21689 0

SUNDOWN ENERGY LP
16400 DALLAS PKWY STE 100
DALLAS, TX 75248-2609

LARRY AND JOAN JACKSON
PO BOX 555
RUSH SPRINGS OK 73082

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

	Name	Depth	Name	Depth
1	FORTUNA	1840	6	
2	NOBLE-OLSON	3177	7	
3			8	
4			9	
5			10	

Spacing Orders: 479332

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 3700

Ground Elevation: 1305

Surface Casing: 970

Depth to base of Treatable Water-Bearing FM: 920

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: RUSH SPRINGS

Approved Method for disposal of Drilling Fluids:

A. Evaporation/dewater and backfilling of reserve pit.

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

PERMIT NO: 18-35970

Notes:

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

051 24570 LARRY JACKSON 5-17

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
HYDRAULIC FRACTURING	<p>12/30/2018 - G71 - OCC 165:10-3-10 REQUIRES:</p> <p>1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;</p> <p>2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCWEB.COM/OG/OGFORMS.HTML; AND,</p> <p>3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG</p>
SPACING - 479332	<p>2/5/2019 - G56 - (40) 17-3N-4W VAC 29399 NBLO EST FRTN, NBLO</p>

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA13800 Wireless Way, Okla. City, OK. 73134 (405) 843-4847 • OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

GRADY

County, Oklahoma

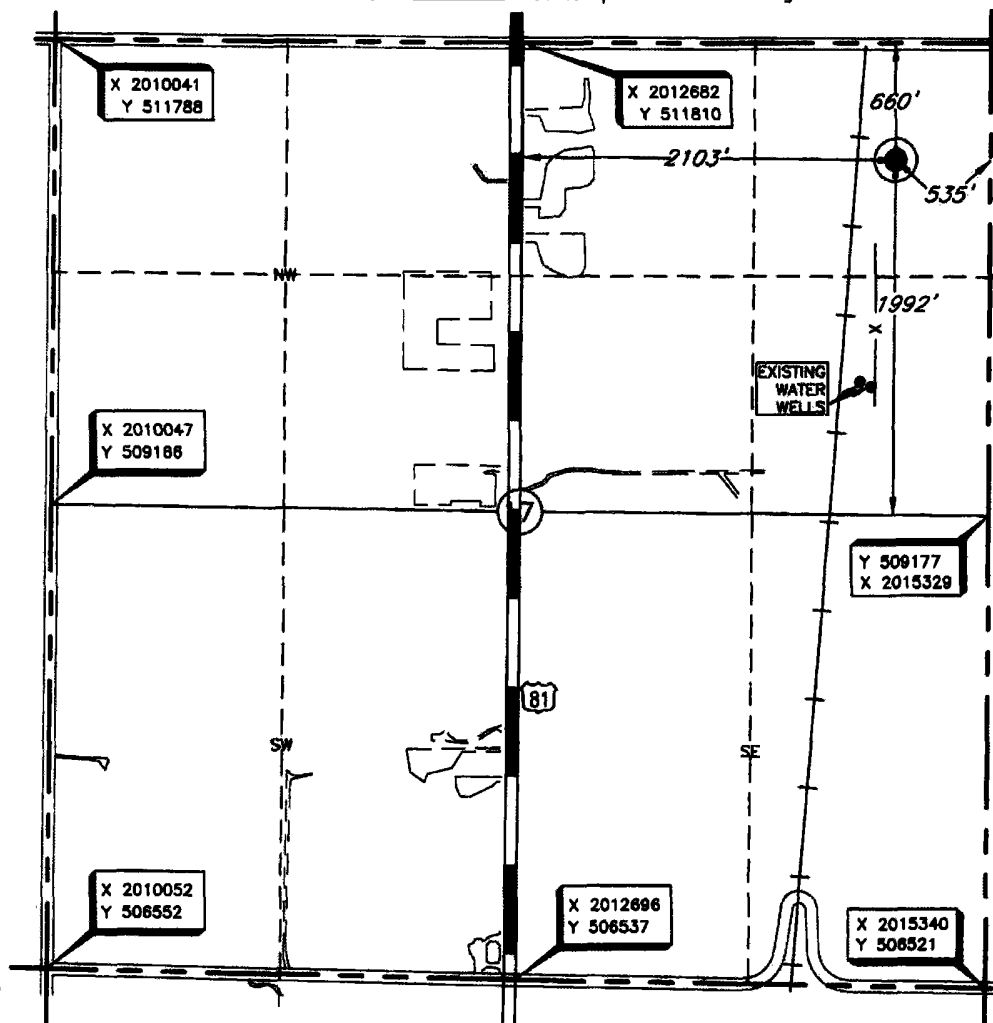
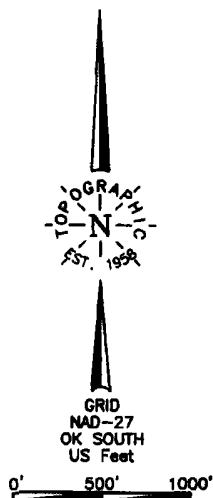
660'FNL-535'FEL

Section 17

Township 3N

Range 7W

I.M.

X 2015319
Y 511832**NOTE:**
The information shown herein is for
construction purposes ONLY.Operator: SUNDOWN ENERGY, INCLease Name: LARRY JACKSONWell No.: 5-17**ELEVATION:**1305' Gr. at StakeTopography & Vegetation Loc. fell in PastureGood Drill Site? YES

Reference Stakes or Alternate Location

Stakes Set NoneBest Accessibility to Location From North off County Road

Distance & Direction

from Hwy Jct or Town From Jct. of US Hwy 81 and St. Hwy 7. West of Rush Springs, OK. go South on US Hwy 81 for ±3 miles. Then East ± 0.5 miles to the NE Corner of Section 17, T3N-R7WThis information was
gathered with a GPS receiver
with ±1 foot Horiz./Vert. accuracy.DATUM: NAD-27LAT: 34°44'16.7"NLONG: 97°57'02.8"WLAT: 34.737969795°NLONG: 97.950783261°W

STATE PLANE

COORDINATES: (US Feet)

ZONE: SOUTHX: X 2014786Y: Y 511168Date of Drawing: Nov. 8, 2018
Invoice # 305437 Date Staked: Nov. 2, 2018**CERTIFICATE:**I, Thomas L. Howell an Oklahoma Licensed Land
Surveyor and an authorized agent of Topographic Land
Surveyors of Oklahoma, do hereby certify to the
information shown hereinThomas L. Howell
Oklahoma Lic. No. 1433