

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

API NUMBER: 153 23601

Approval Date: 02/14/2017
Expiration Date: 08/14/2017

Straight Hole Stratigraphic Test

PERMIT TO DRILL

WELL LOCATION: Sec: 25 Twp: 25N Rge: 18W County: WOODWARD
SPOT LOCATION: SW SW NW NW FEET FROM QUARTER: FROM NORTH FROM WEST
SECTION LINES: 1100 250

Lease Name: GOLD STAR 25-25-18 Well No: 1 Well will be 250 feet from nearest unit or lease boundary.

Operator Name: CHESAPEAKE OPERATING LLC Telephone: 4059353425; 4059358 OTC/OCC Number: 17441 0

CHESAPEAKE OPERATING LLC
PO BOX 18496
OKLAHOMA CITY, OK 73154-0496

SUZANNE KEE
PO BOX 967
MOORELAND OK 73852

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

Name	Depth	Name	Depth
1 CHESTER LIME	6300	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: No Spacing

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 7000 Ground Elevation: 1866 **Surface Casing: 1500** Depth to base of Treatable Water-Bearing FM: 190

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: 25000 Average: 8000

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: MARLOW

Approved Method for disposal of Drilling Fluids:

D. One time land application -- (REQUIRES PERMIT) PERMIT NO: 17-32107
H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

Notes:

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
DEEP SURFACE CASING	2/14/2017 - G71 - APPROVED; NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING
SPACING	2/14/2017 - G64 - N/A - STRATIGRAPHIC TEST

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.

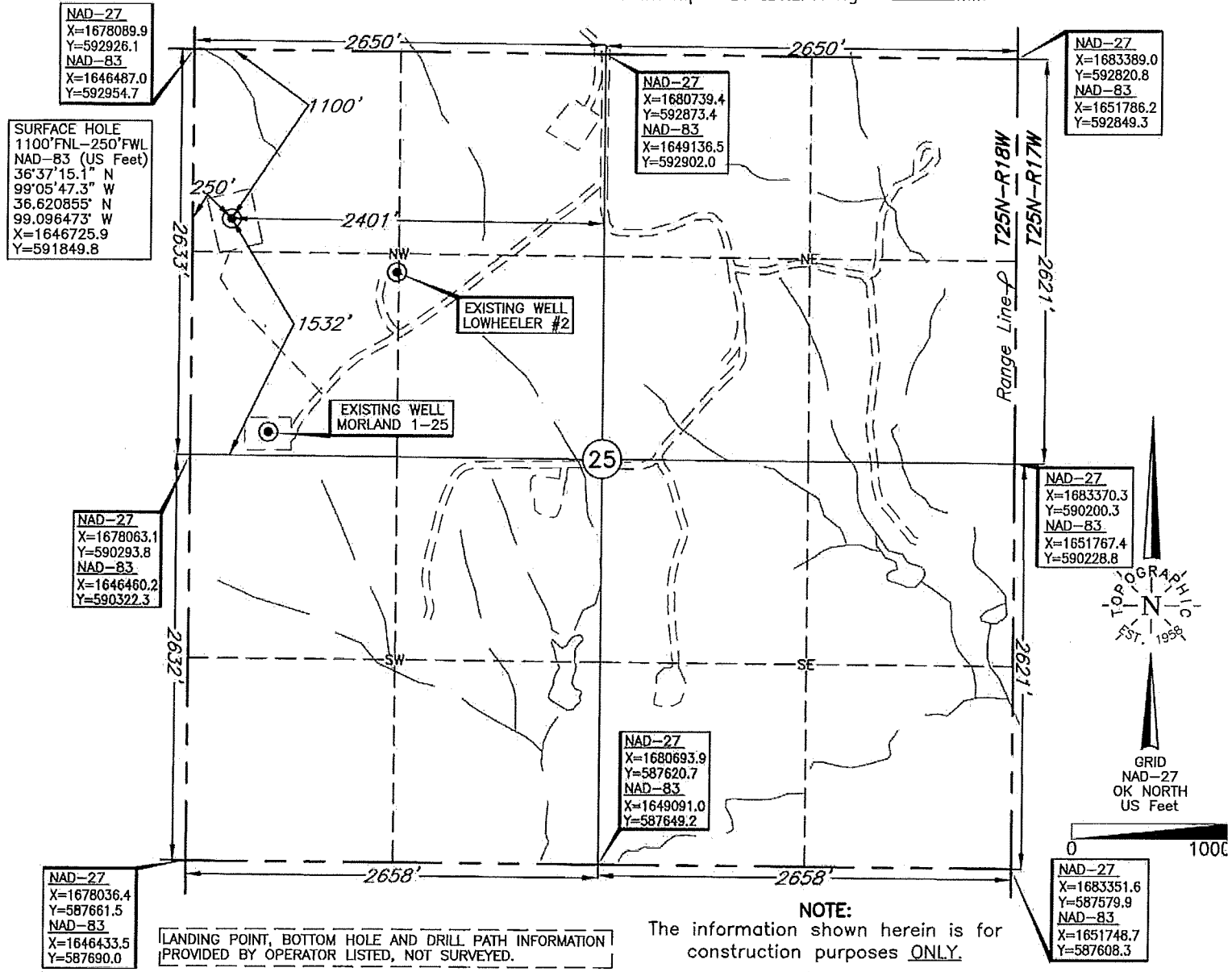
API: 153 23601

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

6709 NORTH CLASSEN BLVD., OKLA. CITY, OKLA. 73116 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219
Certificate of Authorization No. 1293 LS

WOODWARD County, Oklahoma

1100'FNL - 250'FWL Section 25 Township 25N Range 18W I.M.



Operator: CHESAPEAKE OPERATING, L.L.C.

Lease Name: GOLD STAR 25-25-18 Well No.: 1

Topography & Vegetation Loc. fell on rough sloped hillside, canyon and draw to the West, hilltop to the East

Good Drill Site? Fair Reference Stakes or Alternate Location Stakes Set None

Best Accessibility to Location From SE off existing lease road

Distance & Direction From Alabaster Caverns State Park, go ±5.0 mi. South on St. Hwy. 50, then ±3.0 mi. East, then ±1.0 mi. North, then ±2.0 mi. East, then ±0.5 mi. South to the NW Cor. of Sec. 25-T25N-R18W

DATUM: NAD-27

LAT: 36°37'14.9"N

LONG: 99°05'45.9"W

LAT: 36.620819° N

LONG: 99.096097° W

STATE PLANE

COORDINATES: (US Feet)

ZONE: OK NORTH

X: 1678328.8

Y: 591821.3

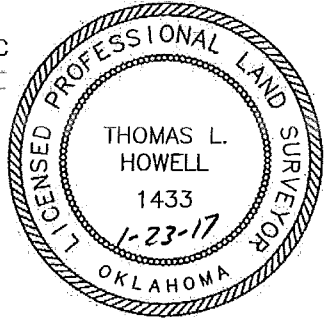
Date of Drawing: Jan. 18, 2017

Invoice # 269207 Date Staked: Jan. 05, 2017 AC

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 herein

Thomas L. Howell
Oklahoma Lic. No. 1433



This information was gathered with a GPS receiver with ±1 foot Horiz./Vert. accuracy