

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

API NUMBER: 003 23298

Approval Date: 12/01/2017

Expiration Date: 06/01/2018

Horizontal Hole

Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 27 Twp: 25N Rge: 12W

County: ALFALFA

SPOT LOCATION: ☐ SE ☐ SE ☐ SE ☐ SW

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 250 2425

Lease Name: KEITH 2512

Well No: 2H-27 A

Well will be 250 feet from nearest unit or lease boundary.

Operator Name: MIDSTATES PETROLEUM CO LLC

Telephone: 9189478550

OTC/OCC Number: 23079 0

MIDSTATES PETROLEUM CO LLC
321 S BOSTON AVE STE 1000
TULSA, OK 74103-3322

KEITH BAKER
324 N. 6TH ST.
CLEO SPRINGS OK 73729

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

Name	Depth	Name	Depth
1 MISSISSIPPIAN	6220	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 589367

Location Exception Orders:

Increased Density Orders:

Pending CD Numbers: 201707760

Special Orders:

201707761

Total Depth: 11200

Ground Elevation: 1370

Surface Casing: 1300

Depth to base of Treatable Water-Bearing FM: 300

Under Federal Jurisdiction: No

Fresh Water Supply Well Drilled: No

Surface Water used to Drill: Yes

PIT 1 INFORMATION

Approved Method for disposal of Drilling Fluids:

Type of Pit System: CLOSED Closed System Means Steel Pits

Type of Mud System: WATER BASED

Chlorides Max: 25000 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 ALLUVIAL

Pit Location Formation: ALLUVIUM

E. Haul to Commercial pit facility: Sec. 10 Twn. 26N Rng. 15W Cnty. 151 Order No: 563714

H. CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST

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.

HORIZONTAL HOLE 1

Sec 27 Twp 25N Rge 12W County ALFALFA

Spot Location of End Point: N2 N2 NW NW

Feet From: NORTH 1/4 Section Line: 165

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 5064

Radius of Turn: 750

Direction: 350

Total Length: 4958

Measured Total Depth: 11200

True Vertical Depth: 6220

End Point Location from Lease,

Unit, or Property Line: 165

Notes:

Category

Description

DEEP SURFACE CASING

11/22/2017 - 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

11/22/2017 - G71 - OCC 165:10-3-10 REQUIRES:

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;

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: OCCEWEB.COM/OG/OGFORMS.HTML; AND,

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

PENDING CD - 201707760

12/1/2017 - G75 - (E.O.) 27-25N-12W
X589367 MSSP
1 WELL
MIDSTATES PETRO. CO., LLC
REC 11-28-2017 (MCKEOWN)

PENDING CD - 201707761

12/1/2017 - G75 - (E.O.) 27-25N-12W
X589367 MSSP
COMPL. INT. NCT 165' TO SL, NCT 165' TO NL, NCT 600' TO WL
MIDSTATES PETRO. CO., LLC
REC 11-28-2017 (MCKEOWN)

SPACING - 589367

12/1/2017 - G75 - (640) 27-25N-12W
VAC 192790 MISS
EXT OTHERS
EST MSSP

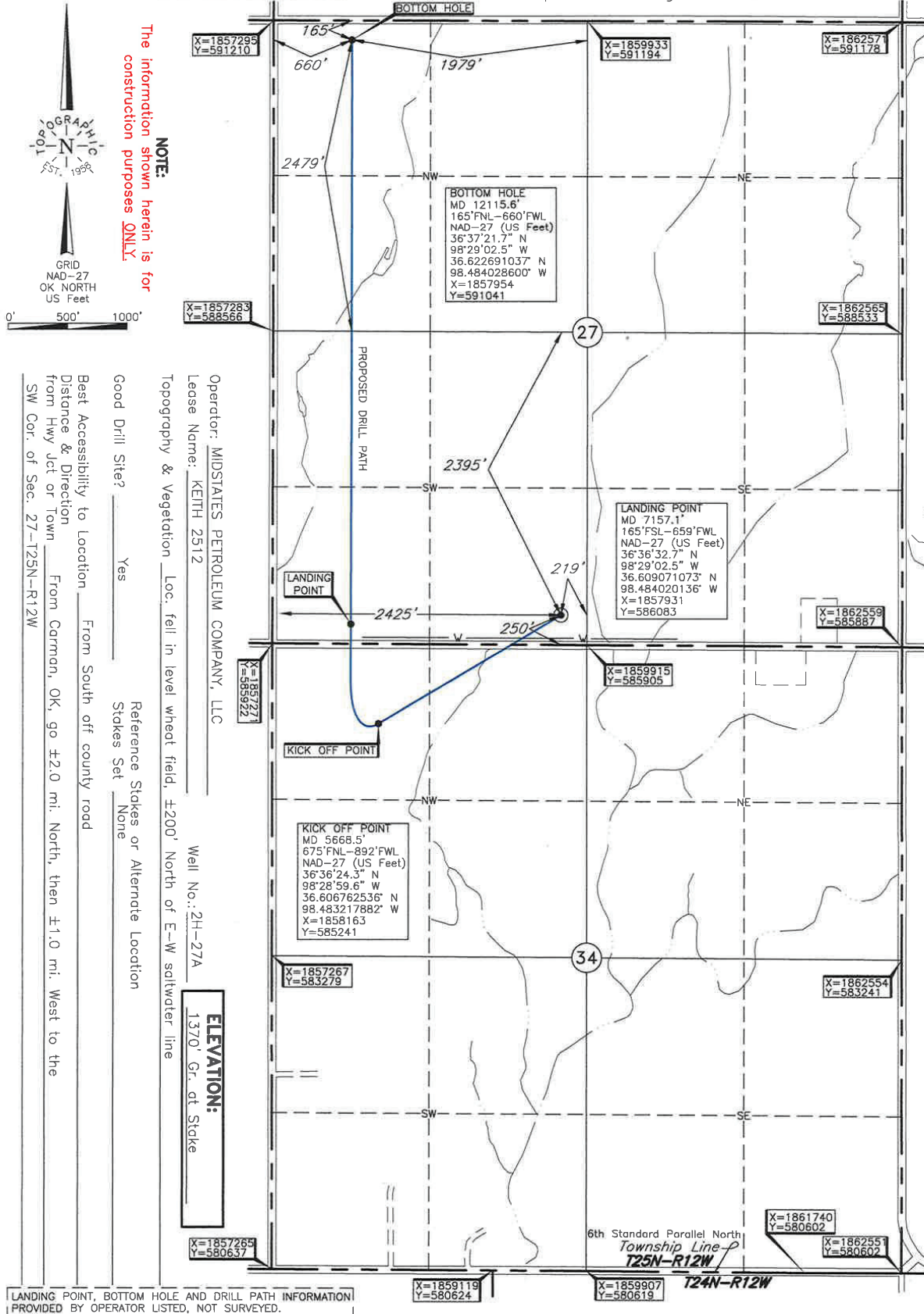
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003 23298 KEITH 2512 2H-27 A

250' FSL - 2425' FWL Section 27 Township 25N Range 12W I.M.



NOTE:
The information shown herein is for construction purposes ONLY.

Operator: MIDSTATES PETROLEUM COMPANY, LLC
Lease Name: KEITH 2512
Topography & Vegetation: Loc. fell in level wheat field, ±200' North of E-W saltwater line
Good Drill Site? Yes
Reference Stakes or Alternate Location: Stakes Set None
Best Accessibility to Location: From South off county road
Distance & Direction: From Highway Jet or Town
From Carman, OK, go ±2.0 mi. North, then ±1.0 mi. West to the SW Cor. of Sec. 27-T25N-R12W

Well No.: 2H-27A
ELEVATION: 1370' Gr. at Stake

DATUM: NAD-27
LAT: 36°36'33.5"N
LONG: 98°28'40.8"W
LAT: 36.609296746° N
LONG: 98.478004020° W
STATE PLANE
COORDINATES: (US Feet)
ZONE: OK NORTH
X: 1859698
Y: 586156

Invoice # 284364 Date of Drawing: Nov. 20, 2017
Date Staked: Nov. 17, 2017

CERTIFICATE:

I, T. Wayne Fisch, an Oklahoma Licensed Land Surveyor and an authorized agent of Topographic Land Surveyors of Oklahoma, do hereby certify to the information shown herein

T. Wayne Fisch
Oklahoma Lic. No. 1378

AC

