

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

API NUMBER: 149 21742

Approval Date: 03/19/2019

Expiration Date: 09/19/2020

Horizontal Hole Oil & Gas

PERMIT TO DRILL

WELL LOCATION: Sec: 16 Twp: 10N Rge: 18W

County: WASHITA

SPOT LOCATION:

FEET FROM QUARTER: FROM SOUTH FROM WEST

SECTION LINES: 330 660

Lease Name: SASSEEN

Well No: 3-21H

Well will be 330 feet from nearest unit or lease boundary.

Operator Name: CREST RESOURCES INC

Telephone: 9185852900

OTC/OCC Number: 20337 0

CREST RESOURCES INC
15 E 5TH ST STE 3650
TULSA, OK 74103-4344

GEORGE & JUANITA GRAY
15 EAST 5TH STREET, STE 3650
TULSA OK 73624

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

Name	Depth	Name	Depth
1 DES MOINES	13000	6	
2		7	
3		8	
4		9	
5		10	

Spacing Orders: 191959

Location Exception Orders: 687990

Increased Density Orders:

Pending CD Numbers:

Special Orders:

Total Depth: 18458

Ground Elevation: 1732

Surface Casing: 660

Depth to base of Treatable Water-Bearing FM: 500

Under Federal Jurisdiction: Yes

Fresh Water Supply Well Drilled: Yes

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: 8000 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 OTHER HSA

Pit Location Formation: DOXEY

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

PERMIT NO: 19-36211

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 OTHER HSA

Pit Location Formation: DOXEY

HORIZONTAL HOLE 1

Sec 21 Twp 10N Rge 18W County WASHITA

Spot Location of End Point: S2 S2 SW SW

Feet From: SOUTH 1/4 Section Line: 10

Feet From: WEST 1/4 Section Line: 660

Depth of Deviation: 12497

Radius of Turn: 623

Direction: 180

Total Length: 4982

Measured Total Depth: 18458

True Vertical Depth: 13000

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

Notes:

Category

Description

HYDRAULIC FRACTURING

2/8/2019 - 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

LOCATION EXCEPTION - 687990

3/19/2019 - G56 - (I.O.) 21-10N-18W
X191959 DSMN
COMPL INT NCT 330' FNL, NCT 330' FSL, NCT 660' FWL
CREST RESOURCES, INC.
12/10/2018

MEMO

2/8/2019 - G71 - PITS 1 & 2 - CLOSED SYSTEM=STEEL PITS PER OPERATOR REQUEST, PIT 2 - OBM RETURNED TO VENDOR, CUTTINGS PERMITTED PER DISTRICT

SPACING - 191959

3/19/2019 - G56 - (640) 21-10N-18W
EXT 171887 DSMN, 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.

149 21742 SASSEEN 3-21H

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

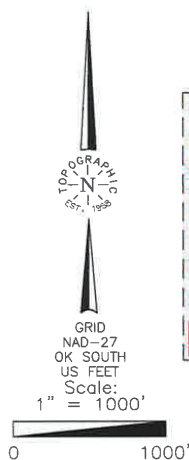
13800 WIRELESS WAY, OKLA. CITY, OKLA. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

WASHITA

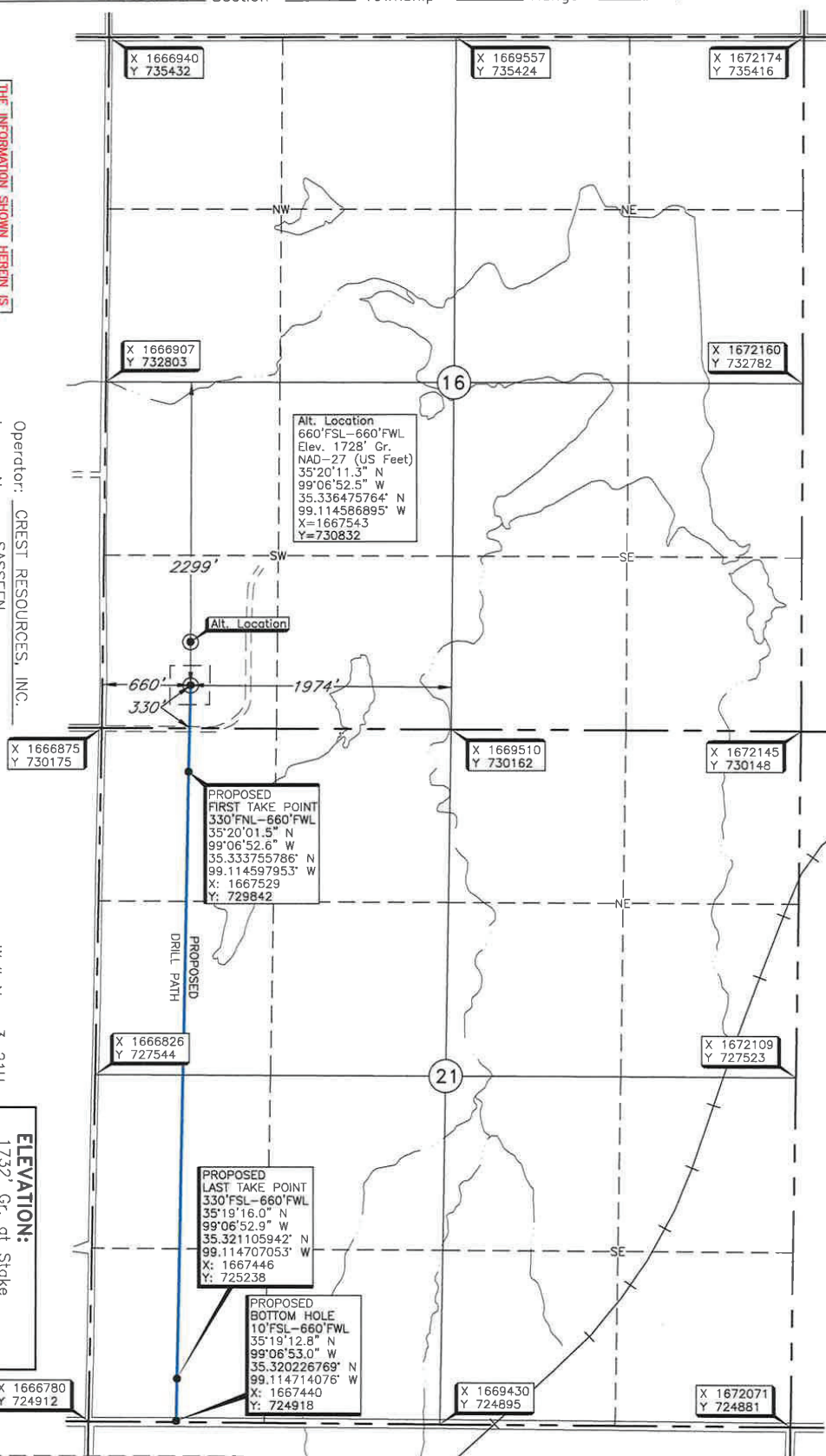
County, Oklahoma

330'FSL - 660'FWL Section 16 Township 10N Range 18W I.M.



THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY

Operator: CREST RESOURCES, INC.
 Lease Name: SASSEEN
 Topography & Vegetation Loc. fell in terraced pasture
 Well No.: 3-21H
 ELEVATION: 1732' Gr. at Stake
 Reference Stakes or Alternate Location
 Stakes Set Alt. Loc. 660'FSL-660'FWL Elev. 1728' Gr. at Stake
 Good Drill Site? Yes; Alt. Yes
 Best Accessibility to Location From South off lease road
 Distance & Direction From Jct. St. Hwy 44 & Webb St. in Burns Flat, OK, go ± 3.0 mi. East on Webb St., then ± 1.0 mi. South to the SW Cor. of Sec. 16-T10N-R18W.



FIRST TAKE POINT, LAST TAKE POINT, BOTTOM HOLE AND DRILL PATH INFORMATION PROVIDED BY OPERATOR LISTED, NOT SURVEYED.

Date of Drawing: Mar. 15, 2019

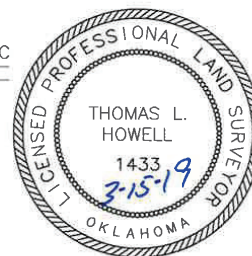
Project # 124926 Date Staked: Mar. 14, 2019

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.

Oklahoma Lic. No. 1433



Source: receiver
 data: field notes
 was gathered
 from information
 sign

DATUM: NAD-27
 LAT: 35°20'08.0" N
 LONG: 99°06'52.5" W
 LAT: 35.335569251° N
 LONG: 99.114588529° W
 STATE PLANE
 COORDINATES (US FEET):
 ZONE: OK SOUTH
 X: 1667539
 Y: 730502