API NUMBER: 139 24637

Oil & Gas

Straight Hole

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

Approval Date:	10/10/2019
Expiration Date:	04/10/2021

PERMIT TO DRILL

		I EKWIT TO DIVILE					
VELL LOCATION: Sec: 27 Twp: 1N	Rge: 19ECM County: TEX	AS					
POT LOCATION: NE SW NE	NE FEET FROM QUARTER: FROM	NORTH FROM EAST					
	SECTION LINES:	681 672					
Lease Name: SNITKER	Well No:	5	Well will be 672 feet from nearest unit or lease boundary.				
Operator FOUNDATION ENERGY M Name:	MANAGEMENT LLC	Telephone: 3032448114	OTC/OCC Number: 22137 0				
FOUNDATION ENERGY MANA		LISCO, LI	LC				
5057 KELLER SPRINGS RD ST	E 650	PO BOX					
ADDISON,	TX 75001-6583	GUYMON	N OK 73942				
Formation(s) (Permit Valid for Lis Name 1 TORONTO 2 LANSING 3 MARMATON 4 5	ted Formations Only): Depth 4796 4858 5938	Name 6 7 8 9	Depth				
Spacing Orders: 702790	Location Exception	Orders:	Increased Density Orders:				
Pending CD Numbers: 201904564 201904583			Special Orders:				
Total Depth: 6100 Ground Elev	vation: 2860 Surface	Casing: 1500	Depth to base of Treatable Water-Bearing FM: 670				
		Deep surface casir	ng has been approved				
Under Federal Jurisdiction: No	Fresh Wate	r Supply Well Drilled: Yes	Surface Water used to Drill: No				
PIT 1 INFORMATION		Approved Method for	Approved Method for disposal of Drilling Fluids:				
Type of Pit System: ON SITE		A. Evaporation/dewa	ater and backfilling of reserve pit.				
Type of Mud System: WATER BASED							
Chlorides Max: 50000 Average: 5000		LI MINI COU COME	NACTED DIT NOTICY DISTRICT DRICK TO TESTING SOUR BIT LINE				
Is depth to top of ground water greater than 10f	t below base of pit? Y	H. MIN. SOIL COMP	PACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER				
Within 1 mile of municipal water well? N							
Wellhead Protection Area? N							

Notes:

Category of Pit: 1B

Liner required for Category: 1B

Pit Location is BED AQUIFER

Pit Location Formation: OGALLALA

Pit is located in a Hydrologically Sensitive Area.

Category Description 6/12/2019 - G71 - APPROVED: NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF **DEEP SURFACE CASING** CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING HYDRAULIC FRACTURING 6/10/2019 - 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 FRACEOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG 10/9/2019 - GB6 - (I.O.) 27-1N-19ECM PENDING CD - 201904564 X702790 TRNT, LNSG, MRMN NCT 660' FNL, NCT 660' FEL NO OP. NAMED REC. 09/30/2019 (JOHNSON) PENDING CD - 201904583 10/9/2019 - GB6 - (I.O.) 27-1N-19ECM

TENDING CD = 201904303

TO(3)2019 GBO 4 (1.0.) 27*TN-19ECM

X702790 MRMN

4 WELLS

NO OP. NAMED

REC. 09/30/2019 (JOHNSON)

SPACING - 702790

8/29/2019 - GB6 - (640) 27-1N-19ECM

EXT 625998 TRNT, LNSG, OTHER

EXT 608084 MRMN

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK. 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS

__ County, Oklahoma 681' FNL - 672' FEL __ Section ____ Township 1N Range 19E E.C.M. X 1119084 Y 570292 X 1121723 Y 570212 X 1116445 Y 570372 681 LEXISTING WELL 1969' EXISTING WELL 1116363 X 111636 Y 567728 27 X 1121645 Y 567563 GRID NAD-27 OK NORTH US FEET Scale: 1" = 1000' 0 1000 X 1118923 Y 564999 X 1121566 564914 1116280 THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY FOUNDATION ENERGY MANAGEMENT Operator: **ELEVATION:** SNITKER 2860' Gr. at Stake Well No .: __ Lease Name:_ Topography & Vegetation <u>Location fell in terraced grass pasture.</u> Reference Stakes or Alternate Location Good Drill Site? _____ Yes Stakes Set None From North off county road. Best Accessibility to Location ___ Distance & Direction from Hwy Jct or Town From Hardesty, Oklahoma, go East ±10.0 miles on US Hwy 412, then South ±6.0 miles, then East ±0.5 mile to the North Quarter Corner of Section 27-T1N-R19ECM. Was general ONAL Date of Drawing: October 7, 2019 Revision X 2 Project # 126631 Date Staked: = October 4. KΗ DATUM: NAD-27 LAT: 36°31'38.7"N LONG: 100°59'30.9"W CERTIFICATE: LAT: <u>36.527430370°N</u> CENSED Thomas L. Howell THOMAS L an Oklahoma Licensed Land LONG: 100.991930408'W HOWELL Surveyor and an authorized agent of Topographic Land STATE PLANE Surveyors of Oklahoma, do hereby certify to the COORDINATES: (US Feet) information shown herein. ZONE: OK NORTH 1121031 *LAHOMA OKLAHOMP 569552 1433 Oklahoma Reg. No. __

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

13800 Wireless Way, Okla. City, OK, 73134 * LOCAL (405) 843-4847 * OUT OF STATE (800) 654-3219

Certificate of Authorization No. 1293 LS County, Oklahoma 19E_E.C.M 681' FNL - 672' FEL 27 1N Section Township 1121723 EXISTING WELL 1969 EXISTING WELL GRID NAD-27 OK NORTH US FEET Scale: 1" = 1000' 1000 1121566 564914 116280 THE INFORMATION SHOWN HEREIN IS FOR CONSTRUCTION PURPOSES ONLY **ELEVATION:** 2860' Gr. at Stake SNITKER Well No .: __ Reference Stakes or Alternate Location Yes Stakes Set None From North off county road.

FOUNDATION ENERGY MANAGEMENT Lease Name:_ Topography & Vegetation <u>Location fell in terraced grass pasture.</u> Good Drill Site? ___ Best Accessibility to Location ____ Distance & Direction from Hwy Jct or Town From Hardesty, Oklahoma, go East ±10.0 miles on US Hwy 412, then South ±6.0 miles, then East ±0.5 mile to the North Quarter Corner of Section 27-T1N-R19ECM.

DATUM: NAD-27 LAT: ____36'31'38.7"N LONG: 100°59'30.9"W LAT: ___36.527430370°N LONG: 100.991930408°W

STATE PLANE COORDINATES: (US Feet)

ZONE: OK NORTH

1121031 569552

Revision X 2

Date of Drawing: October 7, 2019 Project # 126631 Date Staked: _

October 4,

CERTIFICATE:

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.

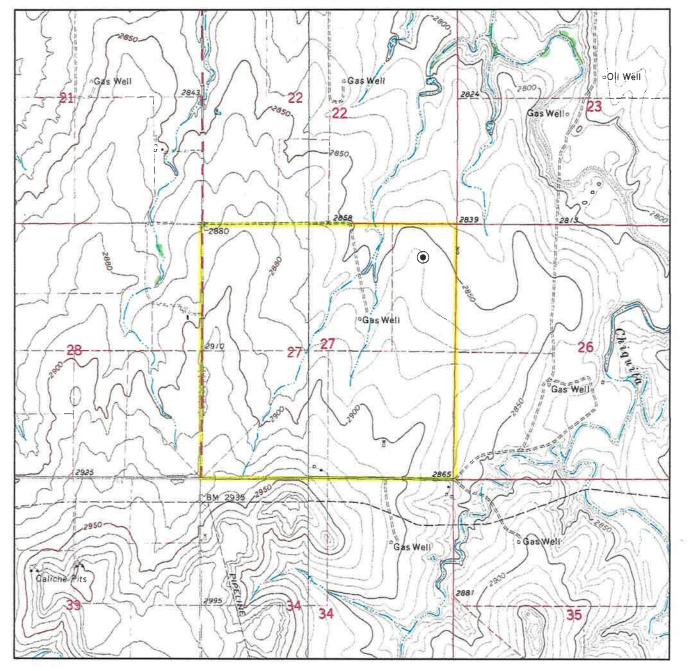
1433 Oklahoma Reg. No. _



TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way Oklahoma City, OK 73134 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

LOCATION & ELEVATION VERIFICATION MAP



Sec. 27 Twp. 1N Rng. 19 E.C.M.

County TEXAS State OK

Operator FOUNDATION ENERGY MANAGEMENT

Description 681' FNL - 672' FEL

Lease SNITKER #5

Elevation 2860' Gr. at Stake

Above Background Data from U.S.G.S. Topographic Map Scale: 1"=2000'

Contour Interval 10'

When elevation is shown hereon it is the ground elevation of the location stake. Review this plat and inform us immediately of any possible discrepancy.



LAND SURVEYORS OF OKLAHOMA
October 4, 2019

TOPOGRAPHIC LAND SURVEYORS OF OKLAHOMA

Surveying and Mapping for the Energy Industry
13800 Wireless Way Oklahoma City, OK 73134 www.topographic.com
Telephone Numbers: Local (405) 843-4847 Toll Free (800) 654-3219

VICINITY MAP

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Scale: 1'' = 3 Miles

Sec	27	Twp	1 N	Rng	19E	E.C.M.
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Operato	ar F	FOUNDATION	FNFF	RGY MAI	VAGEMI	FNT

