

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

Form W-1H 07/2004
Supplemental Horizontal Well Information

Permit Status: **Approved**
The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

*This facsimile W-1 was generated electronically from data submitted to the RRC.
A certification of the automated data is available in the RRC's Austin office.*

Permit # **824506**
Approved Date: **Mar 24, 2017**

1. RRC Operator No. 265322	2. Operator's Name (exactly as shown on form P-5, Organization Report) FELIX ENERGY HOLDINGS II, LLC	3. Lease Name UL GUANELLA 05-17	4. Well No. 1H
--------------------------------------	--	---	--------------------------

Lateral Drainhole Location Information

5. Field as shown on Form W-1 **PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)**

6. Section 5	7. Block 17	8. Survey UL	9. Abstract 44	10. County of BHL WARD
------------------------	-----------------------	------------------------	--------------------------	----------------------------------

11. Terminus Lease Line Perpendiculars 50 ft. from the N line. and 330 ft. from the W line
12. Terminus Survey Line Perpendiculars 50 ft. from the N line. and 330 ft. from the W line
13. Penetration Point Lease Line Perpendiculars 225 ft. from the S line. and 330 ft. from the W line

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

WARD (475) County

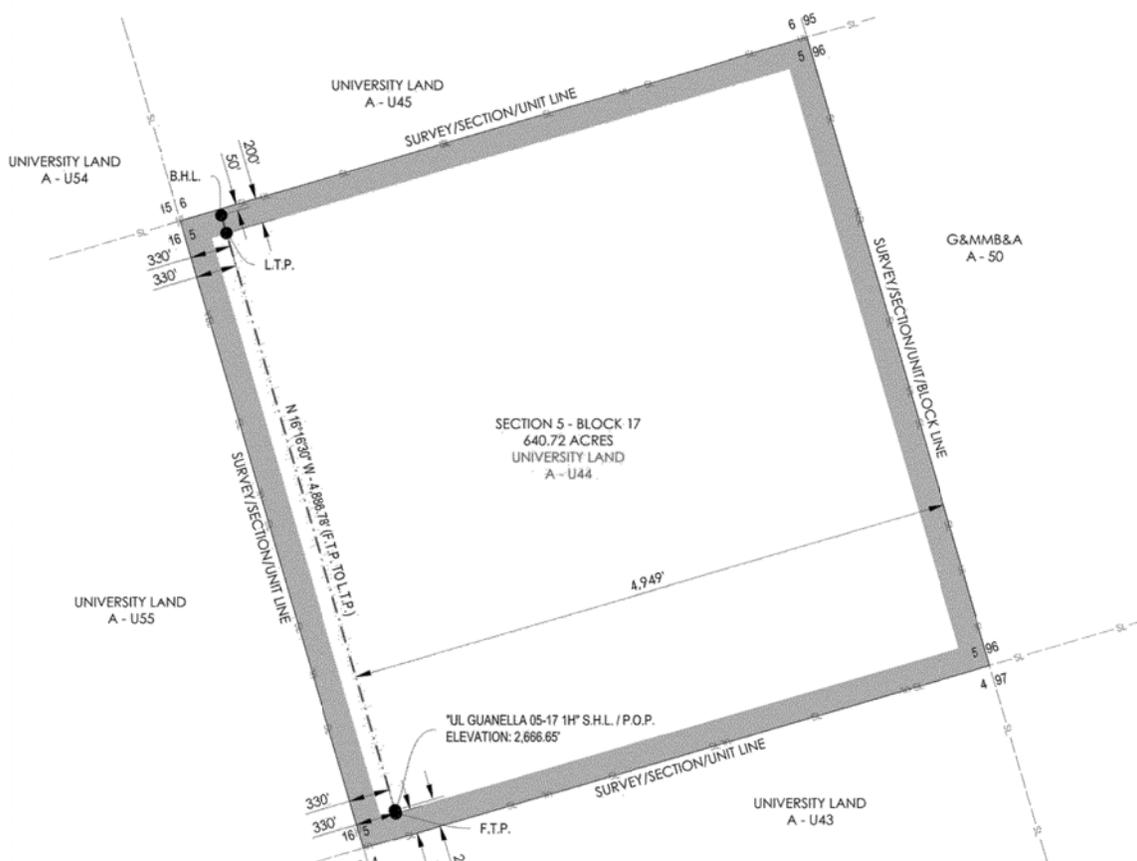
Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
RUSTLER	1,700	1,700		1	12/17/2013
YATES	2,000	2,800		2	12/17/2013
SEVEN RIVERS	2,375	2,375		3	12/17/2013
QUEEN	2,200	3,200		4	12/17/2013
GLORIETA	3,900	4,000		5	12/17/2013
SAN ANDRES	2,000	4,500	high flows, H2S, corrosive	6	12/17/2013
HOLT	4,600	4,800		7	12/17/2013
CLEARFORK	4,500	5,000		8	12/17/2013
DELAWARE	2,300	5,000		9	12/17/2013
TUBB	4,600	5,300		10	12/17/2013
WICHITA ALBANY	6,000	6,200		11	12/17/2013
CHERRY CANYON	4,800	7,800		12	12/17/2013
WADDELL	7,600	9,700		13	12/17/2013
BONE SPRINGS	4,700	9,800		14	12/17/2013
WOLFCAMP	6,000	12,750		15	12/17/2013
MONTOYA	14,500	14,500		16	12/17/2013
PENNSYLVANIAN	7,500	14,900		17	12/17/2013
ATOKA	12,000	15,000		18	12/17/2013
FUSSELMAN	6,400	17,500		19	12/17/2013
DEVONIAN	6,200	17,800		20	12/17/2013
ELLENBURGER	7,900	20,800		21	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

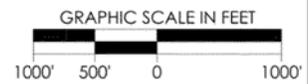
WARD COUNTY, TEXAS
S.H.L. 225' FSL - 330' FWL, SECTION 5, BLOCK 17

LEGEND

- UNIT LINE
- SECTION LINE
- - - PROPOSED WELL PATH
- - - NEAREST PROPOSED WELL PATH
- 200' UNIT OFFSET
- SURFACE HOLE LOCATION
- POINT OF PENETRATION
- FIRST TAKE POINT
- TURNING POINT
- LAST TAKE POINT
- BOTTOM HOLE LOCATION



OPERATOR: FELIX ENERGY, LLC
 WELL NAME: UL GUANELLA 05-17 WELL NO: 1H
 TOPOGRAPHIC & VEGETATION: FLAT LOCATION WITH LOW LYING BRUSH
 GOOD DRILL SITE: YES REFERENCE STAKES OR ALTERNATE LOCATION STAKES SET: NONE
 BEST ACCESSIBILITY TO LOCATION: FROM SOUTH



CONTACT INFORMATION:
 Shannon D. Ozment
 Crafton Tull (619)3715
 1000 Ledgeland Dr.
 Conway, AR 72034

DISTANCE & DIRECTION
 FROM HWY JCT OR TOWN: ±3.76 MILES NORTHWEST OF PYOTE, TX
 FROM THE INTERSECTION OF PYOTE ST. AND HIGHWAY 2355 IN PYOTE, TEXAS, TAKE HIGHWAY 2355 AND TRAVEL WEST FOR ±3.11 MILES. TURN RIGHT ON AN EXISTING LEASE ROAD AND TRAVEL FOR ±1.46 MILES. TURN RIGHT ON AN EXISTING LEASE ROAD AND TRAVEL ±1.31 MILES TO A PROPOSED LEASE ROAD STRAIGHT AHEAD IN CURVE AND TRAVEL ±262 FEET TO THE WELL PAD.

SURFACE HOLE LOCATION / POINT OF PENETRATION:

225' FSL & 330' FWL (SEC. 5)
 GROUND ELEVATION: 2,666.65'
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 708028.35, EASTING: 1118509.48
 LATITUDE: N 31.58260250°, LONGITUDE: W -103.16438961°
NAD 83 TEXAS CENTRAL ZONE
 NORTHING: 10550603.99, EASTING: 1414975.31
 LATITUDE: N 31.58273459°, LONGITUDE: W -103.16483069°

FIRST TAKE POINT:
 200' FSL & 330' FWL (SEC. 5)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 708004.35, EASTING: 1118516.49
 LATITUDE: N 31.58253703°, LONGITUDE: W -103.16436515°

WELL PATH DATA

LINE	BEARING	DISTANCE
S.H.L./P.O.P. TO F.T.P.	S 16°16'30" E	25.00'
F.T.P. TO L.T.P.	N 16°16'30" W	4,886.78'
L.T.P. TO B.H.L.	N 16°16'30" W	150.00'

CALLS FROM SECTION LINE

S.H.L./P.O.P.	225' FSL, 330' FWL
F.T.P.	200' FSL, 330' FWL
L.T.P.	200' FNL, 330' FWL
B.H.L.	50' FNL, 330' FWL

LAST TAKE POINT:
 200' FNL & 330' FWL (SEC. 5)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 712695.25, EASTING: 1117147.05
 LATITUDE: N 31.59533319°, LONGITUDE: W -103.16914541°

BOTTOM HOLE LOCATION:
 50' FNL & 330' FWL (SEC. 5)
NAD 27 TEXAS CENTRAL ZONE
 NORTHING: 712839.23, EASTING: 1117105.01
 LATITUDE: N 31.59572597°, LONGITUDE: W -103.16929216°

UNIT CORNERS

LOCATION	NAD27	
	STATE PLANE TEXAS CENTRAL (22099)	GEOGRAPHIC (4267)
NE CORNER BLK 17-SEC 5	N: 714275.75 E: 1121841.67	LAT: 31.6000501° LONG: -103.15420102°
SE CORNER BLK 17-SEC 5	N: 709200.92 E: 1123322.71	LAT: 31.58616092° LONG: -103.14903303°
SW CORNER BLK 17-SEC 5	N: 707719.78 E: 1118255.79	LAT: 31.58173670° LONG: -103.16517881°
NW CORNER BLK 17-SEC 5	N: 712794.65 E: 1116774.26	LAT: 31.59558026° LONG: -103.17035047°

- GENERAL NOTES**
- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON REASONABLE VISUAL OBSERVATION. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREIN. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, THE OFFICES OF THE VARIOUS UTILITIES SERVICING THIS AREA SHOULD BE CONTACTED FOR THEIR UTILITY LOCATION.
 - BASIS OF BEARINGS: TEXAS STATE PLANE GRID CENTRAL ZONE, NAD83 AS DETERMINED BY GPS OBSERVATION.
 - COMBINED SCALE FACTOR AT S.H.L. - 0.99980554
 - VERTICAL DATUM IS NAVD 83
 - AREAS, DISTANCES, AND COORDINATES ARE "GRID" BASED ON U.S. SURVEY FEET.
 - THIS PLAT DOES NOT REPRESENT A BOUNDARY SURVEY.



REVISION	"UL GUANELLA 05-17 1H"
	SECTION 5, BLOCK 17 640.72 ACRES PROPOSED DRILL SITE WARD COUNTY, TEXAS
	SCALE: 1" = 1000' PLOT DATE: 03-09-2017
	CHECKED BY: HFD DRAWN BY: L.DOW
	APPROVED BY: A.LILEY SHEET NO.: 1 OF 1

