

BORE PATH TABLE (NAD 83)			MCLOFFLIN UNIT PERFORATION 4,600.82 FEET	CARGILL GAS UNIT PERFORATION 3,591.32 FEET	DOWNER UNIT PERFORATION 1,351.92 FEET	PROPOSED SURFACE HOLE LOCATION LIES 20 FEET FROM PERMITTED MCLOFFLIN HV UNIT C 3H	MCLOFFLIN UNIT							
POINT	BEARING	DISTANCE	PROPOSED SURFACE LOCATION X = 1,295,808.50' Y = 11,784,214.56' (UTM 15)	PROPOSED FIRST TAKE POINT X = 1,294,802.44' Y = 11,784,098.41' (UTM 15)	PROPOSED BOTTOM HOLE LOCATION X = 1,294,651.70' Y = 11,793,739.48' (UTM 15)	DOWNER UNIT	TRACT NO.	LESSOR	ACREAGE IN UNIT					
PSL	S 51°19'08" W	1,227.43'					1	MARTHA C. ALLEN, ETAL	78.37					
PP	N 03°53'08" W	600.00'					2	OSCAR CARGILL	158.46					
FTP	N 03°53'08" W	9,544.06'	PROPOSED PENETRATION POINT X = 1,294,811.82' Y = 11,783,498.60' (UTM 15)	PROPOSED LAST TAKE POINT X = 1,294,653.27' Y = 11,793,639.51' (UTM 15)			3	OSCAR CARGILL	207.00					
LTP	N 03°53'08" W	100.00'					4	BILL HAYS	28.20					
BHL	N 03°53'08" W	100.00'					5	BILL FIELDS	28.20					
							6	C. FIELDS	28.20					
							7	WINSTON TAYLOR	9.40					
							8	WILL RAYLAND, ETUX	18.80					
							9	AMANDA FIELDS, EST.	28.20					
							10	JOBE FIELDS, EST.	28.20					
							11	WILL RAYLAND	56.40					
							TOTAL		669.43					
PROPOSED SURFACE LOCATION														

**PROPOSED
SURFACE LOCATION**

ROCKCLIFF ENERGY OPERATING LLC
MCLOFFLIN HV UNIT D 4H
AS-STAKED ON 12/6/18
X = 3,043,091.53' (NAD27 TxNC)
Y = 305,575.23'
LAT: 32° 27' 37.63" N
LONG: 94° 07' 03.33" W (NAD27)
LAT: 32° 27' 38.18" N (NAD83/86)
LONG: 94° 07' 04.01" W
GROUND ELEV. 312.77' (NAVD 1988)
SURVEY: 825'± FSL (A-15) & 1,291'± FWL (A-15)
UNIT: 778'± FSL & 1,112'± FEL

**PROPOSED
PENETRATION POINT:**

ROCKCLIFF ENERGY
OPERATING LLC
MCLOFFLIN HV UNIT D 4H
X = 3,042,126.10' (NAD27 TxNC)
Y = 304,817.27'
LAT: 32° 27' 30.44" N (NAD27)
LONG: 94° 07' 14.88" W
UNIT: 50'± FSL & 1,335'± FWL

**PROPOSED
FIRST TAKE POINT:**

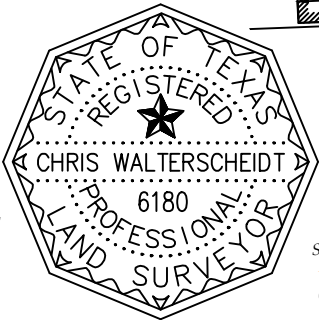
ROCKCLIFF ENERGY OPERATING LLC
MCLOFFLIN HV UNIT D 4H
X = 3,042,091.15' (NAD27 TxNC)
Y = 305,416.25'
LAT: 32° 27' 36.37" N (NAD27)
LONG: 94° 07' 15.06" W
UNIT: 650'± FSL & 1,320'± FWL

**PROPOSED
LAST TAKE POINT:**

ROCKCLIFF ENERGY OPERATING LLC
MCLOFFLIN HV UNIT D 4H
X = 3,041,535.01' (NAD27 TxNC)
Y = 314,944.08' (NAD27 TxNC)
LAT: 32° 29' 10.79" N (NAD27)
LONG: 94° 07' 17.98" W
UNIT: 2,895'± FNL & 2,114'± FWL

**PROPOSED
BOTTOM HOLE LOCATION:**

ROCKCLIFF ENERGY OPERATING LLC
MCLOFFLIN HV UNIT D 4H
X = 3,041,529.18' (NAD27 TxNC)
Y = 315,043.91' (NAD27 TxNC)
LAT: 32° 29' 11.78" N (NAD27)
LONG: 94° 07' 18.01" W
SURVEY: 163'± FNL (A-412) & 3,927'± FSWL (A-412)
UNIT: 2,795'± FNL & 2,110'± FWL



SCALE: 1 INCH = 2000 FEET
0' 1000' 2000'

THE SURFACE LOCATION BEARS
N 68° 03' 00" W 15.7 MILES
FROM THE TOWN OF MARSHALL

NOTES:

1. THE UNIT/LEASE BOUNDARY SHOWN HEREON WAS PROVIDED BY ROCKCLIFF ENERGY OPERATING LLC AND HAS NOT BEEN SURVEYED OR LOCATED ON THE GROUND, THEIR DEPICTION AND ANY RELATIVE INFORMATION/MEASUREMENTS SHOWN ARE INTENDED FOR INTERNAL INFORMATIONAL PURPOSES ONLY. THE WELL LOCATION SHOWN HEREON HAS BEEN LOCATED ON THE GROUND UNDER MY SUPERVISION, AND THE GEODETIC LOCATION SHOWN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THIS PLAT WAS CREATED FOR THE SOLE PURPOSE OF FILING A PERMIT WITH THE RAILROAD COMMISSION OF TEXAS AND SHOULD NOT BE CONSTRUED AS A "BOUNDARY SURVEY" IN COMPLIANCE WITH T.B.P.L.S. MINIMUM STANDARDS OF PROCEDURES FOR BOUNDARY SURVEYS.

2. ALL COORDINATES REFER TO THE TEXAS COORDINATE SYSTEM OF 1927, NORTH CENTRAL ZONE, US SURVEY FEET, UNLESS OTHERWISE NOTED.

3. PATENT SURVEY LINES SHOWN HEREON ARE APPROXIMATE AND HAVE NOT BEEN FIELD VERIFIED.



www.landpoint.net (800) 348-5254
500 NORTH LOOP 1604 EAST, SUITE 200
SAN ANTONIO, TX 78232
FIRM NO. 10193814
PHONE: (318) 226-0100

REVISIONS

3/7/19	REV. BHL SURVEY CALL
2/6/19	CHG LTP & BHL CALLS
12/7/18	UPDATED ELEVATION
12/5/18	ADD DOWNER UNIT
DRAWN BY: MO	PROJ. MGR.: JS
DATE: 3/7/19	
JOB # 18-1192-20	SHEET 1 OF 1
FILE NAME:	



ROCKCLIFF ENERGY OPERATING LLC
MCLOFFLIN HV UNIT D 4H
SITUATED IN THE
T.D. WILSON SURVEY, A-15
HARRISON COUNTY, TEXAS

I hereby certify that on the 7th day of March, 2019, this office survey plat has been prepared and reviewed in accordance with, and in substantial compliance with all rules and regulations promulgated by the Texas Board of Professional Land Surveying, issued 3/7/19.

Chris Walterscheidt
R.P.L.S. NO. 6180

- (PSL) - PROPOSED SURFACE HOLE LOCATION
- (PP) - PROPOSED PENETRATION POINT
- (FTP) - PROPOSED FIRST TAKE POINT
- (LTP) - PROPOSED LAST TAKE POINT
- (BHL) - PROPOSED BOTTOM HOLE LOCATION
- - - - - APPROXIMATE SURVEY LINE
- ////// UNIT LINE
- - - - - PROPOSED BORE PATH