






**BILL BARRETT CORPORATION**

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION



LEGEND:

-  = 90° SYMBOL  
 = PROPOSED WELLHEAD.  
 = TARGET BOTTOM HOLE.  
 = LANDING POINT  
 = SECTION CORNERS LOCATED. (NAD 83)

<b>NAD 83 (TARGET BOTTOM HOLE)</b>	<b>NAD 83 (LANDING POINT)</b>	<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 40°30'55.55" (40.515431)	LATITUDE = 40°30'56.07" (40.515575)	LATITUDE = 40°30'53.17" (40.514769)
LONGITUDE = 104°16'53.97" (104.281658)	LONGITUDE = 104°18'58.33" (104.316203)	LONGITUDE = 104°19'00.90" (104.316917)
<b>NAD 27 (TARGET BOTTOM HOLE)</b>	<b>NAD 27 (LANDING POINT)</b>	<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 40°30'55.61" (40.515447)	LATITUDE = 40°30'56.13" (40.515592)	LATITUDE = 40°30'53.23" (40.514786)
LONGITUDE = 104°16'52.15" (104.281153)	LONGITUDE = 104°18'56.50" (104.315694)	LONGITUDE = 104°18'59.07" (104.316408)
<b>STATE PLANE NAD 83 (CO. NORTH)</b>	<b>STATE PLANE NAD 83 (CO. NORTH)</b>	<b>STATE PLANE NAD 83 (CO. NORTH)</b>
N: 1432938.80 E: 3338732.10	N: 1432861.29 E: 3329128.19	N: 1432565.63 E: 3328933.65
<b>STATE PLANE NAD 27 (CO. NORTH)</b>	<b>STATE PLANE NAD 27 (CO. NORTH)</b>	<b>STATE PLANE NAD 27 (CO. NORTH)</b>
N: 432939.29 E: 2338881.66	N: 432861.84 E: 2329277.72	N: 432566.19 E: 2329083.18

**PDOP = 1.4**

CERTIFICATE OF SURVEY

THE ABOVE PLAN WAS PREPARED FROM FIELD MEASUREMENTS AND DATA, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

*[Signature]*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 28285  
STATE OF CALIFORNIA

*[Red circular stamp: OFFICE OF THE REGISTERED LAND SURVEYORS, STATE OF CALIFORNIA, 28285]*

**UELS, LLC**  
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SURVEYED BY	DATE	REVISED BY	DATE
DARREN SHANKS, C.M.	12-14-15		
DRAWN BY	DATE		
C.C.	12-28-15		

## WELL LOCATION PLAT