

LEGEND:

- = PROPOSED WELLHEAD.
- ◆ = PRODUCTION INTERVAL.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED. (NAD 83)

NOTE:

Distances referenced on plat to section lines are perpendicular.

T7N R59W 6th P.M.

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S82°35'30"E	3636.45'
L2	N00°11'52"W	600.01'
L3	N00°18'26"W	300.00'

SURFACE LOCATION
460' FSL 676' FWL
NAD 83 (SURFACE LOCATION)
LATITUDE = 40°35'00.27" (40.583408°)
LONGITUDE = 103°57'06.39" (103.951775°)
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°35'00.31" (40.583421°)
LONGITUDE = 103°57'04.57" (103.951269°)
STATE PLANE NAD 83 (CO. NORTH)
N: 1459130.70' E: 3430008.14'
STATE PLANE NAD 27 (CO. NORTH)
N: 459129.84' E: 2430160.03'

BEG. PROD. INTERVAL	ENDING PROD. INTERVAL	TARGET BOTTOM HOLE
600' FSL 4280' FWL 982' FEL	600' FNL 4280' FWL 1115' FEL	300' FNL 4280' FWL 1119' FEL
NAD 83 (BEG. PROD. INTERVAL)	NAD 83 (ENDING PROD. INTERVAL)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°35'01.14" (40.583649°)	LATITUDE = 40°36'33.72" (40.609368°)	LATITUDE = 40°36'36.69" (40.610191°)
LONGITUDE = 103°56'19.68" (103.938800°)	LONGITUDE = 103°56'18.63" (103.938510°)	LONGITUDE = 103°56'18.61" (103.938502°)
NAD 27 (BEG. PROD. INTERVAL)	NAD 27 (ENDING PROD. INTERVAL)	NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°35'01.18" (40.583662°)	LATITUDE = 40°36'33.77" (40.609381°)	LATITUDE = 40°36'36.73" (40.610204°)
LONGITUDE = 103°56'17.86" (103.938294°)	LONGITUDE = 103°56'16.81" (103.938004°)	LONGITUDE = 103°56'16.79" (103.937997°)
STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)
N: 1459281.78' E: 3433610.10'	N: 1468651.40' E: 3433525.74'	N: 1468951.27' E: 3433522.46'
STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)
N: 459280.99' E: 2433762.09'	N: 468650.43' E: 2433677.58'	N: 468950.30' E: 2433674.30'

BASIS OF BEARINGS

TRANSVERSE MERCATOR PROJECTION WITH A CENTRAL MERIDIAN OF W105°00'00".

BASIS OF ELEVATION

OPUS SOLUTION GENERATED NAVD 88



UELS, LLC
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Vernal, UT 84078 * (435) 789-1017



MORNING GUN EXPLORATION LLC

CASTOR 7-59 11-2-11
SW 1/4 SW 1/4, SECTION 11, T7N, R59W, 6th P.M.
WELD COUNTY, COLORADO

SURVEYED BY	JAMES FRESHWATER, D.E.	12-11-18	SCALE
DRAWN BY	C.IVIE	09-04-18	1" = 1000'

WELL LOCATION PLAT

2011 Alum. Cap,
#38175, 0.1' High
Lat: 40.611050°
Long: 103.953905°

2011 Alum. Cap,
#38175, 0.3' Below
Ground
Lat: 40.611004°
Long: 103.934453°

2014 Alum. Cap,
#22097, 0.2' High
Lat: 40.603746°
Long: 103.934638°

2018 Alum. Cap,
#28285, 0.5' Below
Ground
Lat: 40.596447°
Long: 103.934951°

2018 Alum. Cap,
#28285, 0.5' Below
Ground
Lat: 40.596633°
Long: 103.954028°

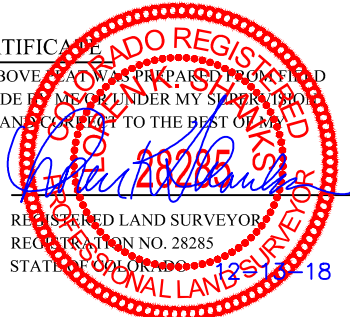
2018 Alum. Cap,
#28285, 1.0'
Below Ground
Lat: 40.581964°
Long: 103.935305°

2005 Alum. Cap,
#23520,
Flush W/ Ground
Lat: 40.582172°
Long: 103.954224°

PDOP = 1.6



CERTIFICATE OF SURVEY
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REV: 1 12-13-18 T.A. (Surface Hole Move)