

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	S81°50'41"E	3299.46'
L2	N00°11'52"W	600.01'
L3	N00°18'26"W	300.00'

SURFACE LOCATION
460' FSL 648' FWL
NAD 83 (SURFACE LOCATION)
LATITUDE = 40°35'00.27" (40.583409°)
LONGITUDE = 103°57'06.75" (103.951876°)
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°35'00.32" (40.583422°)
LONGITUDE = 103°57'04.93" (103.951370°)
STATE PLANE NAD 83 (CO. NORTH)
N: 1459130.61' E: 3429980.15'
STATE PLANE NAD 27 (CO. NORTH)
N: 459129.75' E: 2430132.04'

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

PDOP = 1.6



BEG. PROD. INTERVAL 600' FSL 3912' FWL 1350' FEL	ENDING PROD. INTERVAL 600' FNL 3912' FWL 1483' FEL	TARGET BOTTOM HOLE 300' FNL 3912' FWL 1487' FEL
NAD 83 (BEG. PROD. INTERVAL)	NAD 83 (ENDING PROD. INTERVAL)	NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°35'01.19" (40.583664°)	LATITUDE = 40°36'33.73" (40.609371°)	LATITUDE = 40°36'36.70" (40.610194°)
LONGITUDE = 103°56'24.45" (103.940124°)	LONGITUDE = 103°56'23.40" (103.939834°)	LONGITUDE = 103°56'23.38" (103.939827°)
NAD 27 (BEG. PROD. INTERVAL)	NAD 27 (ENDING PROD. INTERVAL)	NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°35'01.24" (40.583677°)	LATITUDE = 40°36'33.78" (40.609384°)	LATITUDE = 40°36'36.75" (40.610207°)
LONGITUDE = 103°56'22.63" (103.939618°)	LONGITUDE = 103°56'21.58" (103.939329°)	LONGITUDE = 103°56'21.56" (103.939322°)
STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)	STATE PLANE NAD 83 (CO. NORTH)
N: 1459280.65' E: 3433242.23'	N: 1468646.09' E: 3433157.90'	N: 1468945.96' E: 3433154.63'
STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)	STATE PLANE NAD 27 (CO. NORTH)
N: 459279.84' E: 2433394.21'	N: 468645.11' E: 2433309.73'	N: 468944.98' E: 2433306.45'

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 11-2-10  
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



CERTIFICATE  
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)