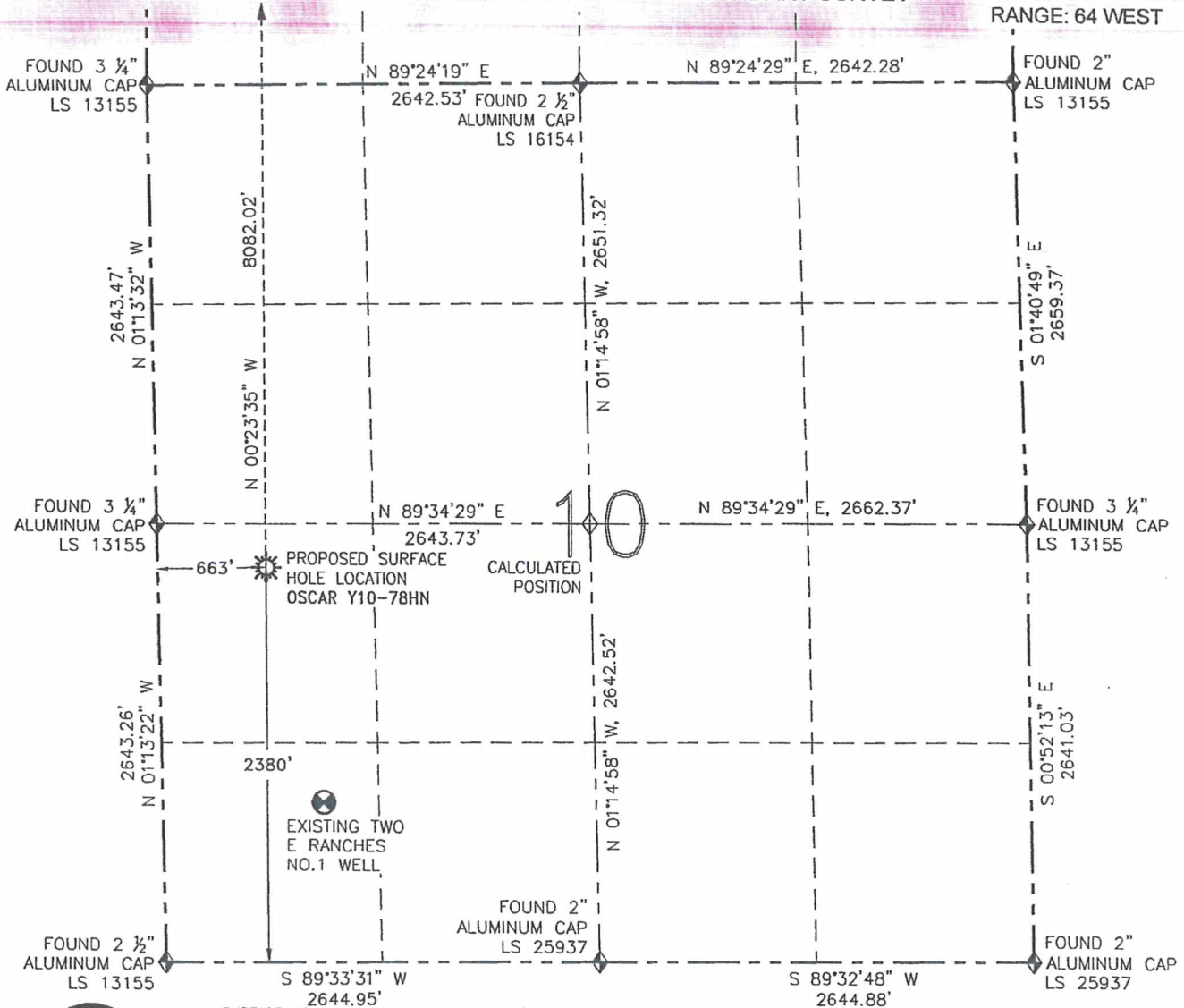


# WELL LOCATION CERTIFICATE

OSCAR Y10-78HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 10  
TOWNSHIP: 2 NORTH  
RANGE: 64 WEST



**SURFACE HOLE LOCATION NAD 83**

LATITUDE: N 40.15225'  
LONGITUDE: W 104.54471'  
ELEVATION: 4943  
PDOP: 2.6  
1/4-1/4: NW SW  
NEAREST PROPERTY LINE: 663' W

**BOTTOM HOLE**

LATITUDE: N 40.17443'  
LONGITUDE: W 104.54459'

IN ACCORDANCE WITH A REQUEST FROM MIKE RODINE-NOBLE ENERGY INC., R&R ENGINEERS-SURVEYORS, INC. HAS DETERMINED THE SURFACE HOLE LOCATION OF THE OSCAR Y10-78HN WELL TO BE 2380' FSL AND 663' FWL AS MEASURED AT (90) DEGREES FROM THE SECTION LINES OF SECTION 10, TOWNSHIP 2 NORTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, WELD COUNTY, COLORADO. THE BOTTOM HOLE LOCATION, AS PROVIDED BY THE CLIENT, IS TO BE 75' FNL AND 660' FWL OF SECTION 3, TOWNSHIP 2 NORTH, RANGE 64 WEST.

I HEREBY CERTIFY THAT THIS WELL LOCATION CERTIFICATE WAS PREPARED BY ME, OR UNDER MY DIRECT SUPERVISION, THAT THE FIELD WORK WAS COMPLETED ON 10/22/12, FOR AND ON BEHALF OF NOBLE ENERGY INC., THAT IT IS NOT A LAND SURVEY PLAT OR AN IMPROVEMENT SURVEY PLAT, AND THAT IT IS NOT TO BE RELIED UPON FOR ESTABLISHMENT OF FENCES, BUILDINGS, OR OTHER FUTURE IMPROVEMENT LINES.



0 1000'

SCALE: 1" = 1000'

**LEGEND**

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- FOUND MONUMENT
- CALCULATED POSITION

**NOTES:**

1. BEARINGS ARE GRID BEARINGS OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD 83. THE LINEAL DIMENSIONS SHOWN HEREON ARE BASED UPON THE "U.S. SURVEY FOOT".
2. ELEVATIONS ARE BASED UPON NGS OPUS SOLUTION NAVD 88 DATUM COMPUTED USING GEOID09.
3. THE NEAREST EXISTING WELL IN SECTION 10 IS: TWO E RANCHES NO. 1 WELL 1458' SE.
4. SEE LOCATION DRAWING FOR ALL IMPROVEMENTS WITHIN 400' OF THE OIL/GAS LOCATION.
5. SURFACE USE: PASTURE.

PAGE 1 OF SHEET 1



FIELD DATE: 10/22/12
PLOT DATE: 01/15/13
DRAWN BY: CJD
JOB NO.: NE12372
SHEET NO.: 1 of 6

**NOTICE:**

ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS W.L.C. WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS W.L.C. BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON (13-80-105 C.R.S.).



DAVID C. HOLMES, PLS 32828  
FOR AND ON BEHALF OF R&R ENGINEERS-SURVEYORS, INC.

# WELL LOCATION CERTIFICATE

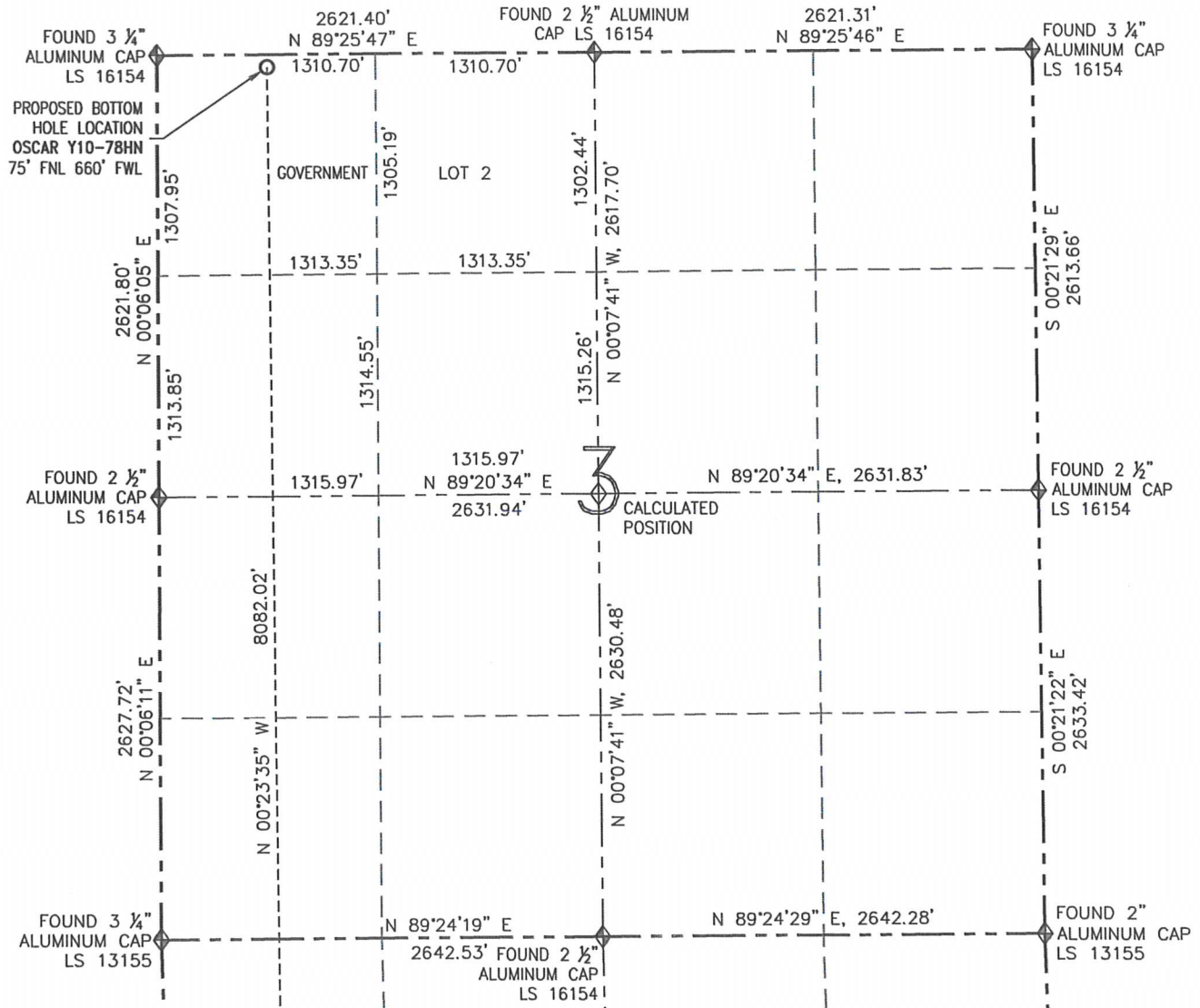
OSCAR Y10-78HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SHL- SECTION: 10

TOWNSHIP: 2 NORTH

RANGE: 64 WEST



0 1000'  
SCALE: 1" = 1000'

SURFACE HOLE LOCATION NAD 83

LATITUDE: N 40.15225°  
LONGITUDE: W 104.54471°  
ELEVATION: 4943  
PDOP: 2.6

¼-¼: NW SW  
NEAREST PROPERTY LINE: 663' W

BOTTOM HOLE

LATITUDE: N 40.17443°  
LONGITUDE: W 104.54459°

PAGE 2 OF SHEET 1

	FIELD DATE: 10/22/12
	PLOT DATE: 01/15/13
	DRAWN BY: CJD
	JOB NO.: NE12372
	SHEET NO.: 1 of 6

**NOTICE:**

ACCORDING TO COLORADO LAW, YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS W.L.C. WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS W.L.C. BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON (13-80-105 C.R.S.).

**LEGEND**

- PROPOSED WELL
- EXISTING WELL
- BOTTOM HOLE
- FOUND MONUMENT
- CALCULATED POSITION

# SITE SKETCH

OSCAR Y10-78HN

THIS MAP DOES NOT REPRESENT A BOUNDARY SURVEY

SECTION: 10  
TOWNSHIP: 2 NORTH  
RANGE: 64 WEST

① WASTE MANAGEMENT USX Y3-13  
SW/SW SEC. 3  
762' FSL 764' FWL  
ELEVATION: 4883' PDOP: 2.0  
N 40.16232' W 104.54442'

② WASTE MANAGEMENT USX Y3-25  
NW/SW SEC. 3  
1422' FSL 1220' FWL  
ELEVATION: 4884' PDOP: 2.0  
N 40.16413' W 104.54276'

③ WASTE MANAGEMENT USX Y3-12  
NW/SW SEC. 3  
2081' FSL 570' FWL  
ELEVATION: 4878' PDOP: 2.1  
N 40.16594' W 104.54505'

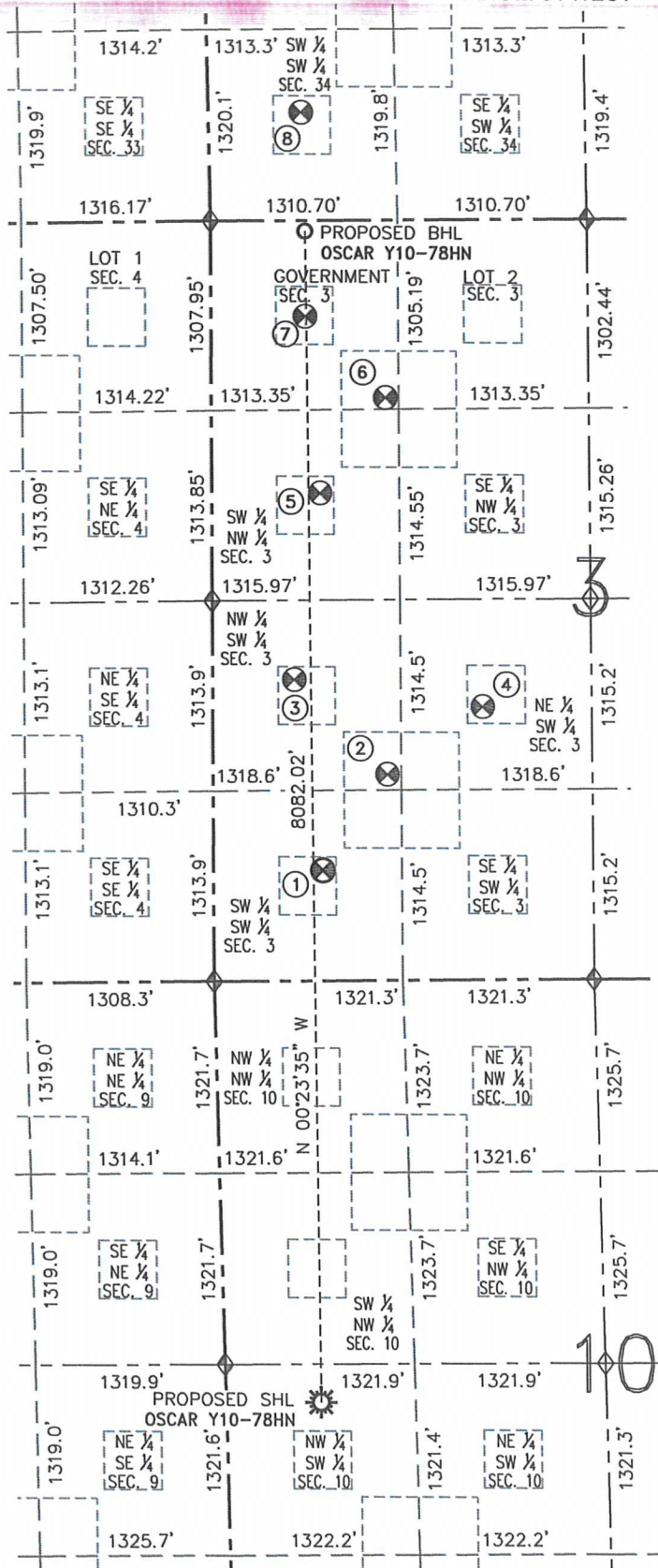
④ WASTE MANAGEMENT USX Y3-11  
NE/SW SEC. 3  
1885' FSL 1880' FWL  
ELEVATION: 4896' PDOP: 1.6  
N 40.16540' W 104.54038'

⑤ WASTE MANAGEMENT USX Y03-05  
SW/NW SEC. 3  
1881' FNL 759' FWL  
ELEVATION: 4870' PDOP: 2.1  
N 40.16947' W 104.54432'

⑥ WASTE MANAGEMENT USX Y3-19  
NW/NW SEC. 3 1/2 GOVT LOT 2  
1224' FNL 1219' FWL  
ELEVATION: 4871' PDOP: 1.9  
N 40.17128' W 104.54264'

⑦ WASTE MANAGEMENT USX Y3-4  
NW/NW SEC. 3 1/2 GOVT LOT 2  
662' FNL 659' FWL  
ELEVATION: 4864' PDOP: 2.0  
N 40.17282' W 104.54462'

ⓑ LIAM D34-13  
SW/SW SEC. 34  
746' FSL 648' FWL  
ELEVATION: 4873' PDOP: 1.7  
N 40.17668' W 104.54464'



- LEGEND**
- PROPOSED WELL
  - EXISTING WELL
  - BOTTOM HOLE
  - FOUND MONUMENT
  - CALCULATED POSITION

**NOTES:**

1. THIS SKETCH DOES NOT REPRESENT A BOUNDARY SURVEY.
2. HORIZONTAL DATUM IS NAD 83.
3. VERTICAL DATUM IS NAVD 88.

	FIELD DATE: 10/22/12
	PLOT DATE: 01/15/13
	DRAWN BY: CJD
	JOB NO.: NE12372
	SHEET NO.: 2 of 6

