



September 9, 2011

Mr. David Neslin, Director  
Colorado Oil & Gas Commission  
1120 Lincoln St. Suite 801  
Denver, CO 80203

1801 W. 13<sup>th</sup> Ave  
Denver, CO 80204  
Ph: 303.928.7128  
Rifle Ph: 970.625.4740  
[www.petro-fs.com](http://www.petro-fs.com)

RE: May Jon Pad – SWSW, Section 5, T2N-R68W  
Weld County, Colorado  
Well Name: May Jon 5N #6  
              May Jon 3-5D #5  
              May Jon 5E #7  
              May Jon 5S #8

Dear Mr. Neslin,

Sundance Energy, Inc. (Sundance) is planning to drill the above captioned wells in accordance with the provisions of COGCC Rule 318A.e.

Sundance's proposed wellbore spacing unit consists of:

- May Jon 5N #6 – S½ NW & N½ SW, Section 5, T2N-R68W
- May Jon 3-5D #5 – SW¼, Section 5, T2N-R68W
- May Jon 5E #7 – E½ SW and W½ SE, Section 5, T2N-R68W
- May Jon 5S #8 – S½ SW, Section 5 and N½ NW, Section 8, T2N-R68W

Creating a 160 acre wellbore spacing unit. Sundance is not the only owner within the proposed wellbore spacing unit and as such provided notice to the remaining owner(s) within the said proposed spacing unit as required under COGCC Rule 318A.e(6). Copies of the required notice letter(s) is/are on file at the Sundance offices. The required twenty (20) day notice period has elapsed absent the receipt by Sundance of an objection to said proposal by the owner(s) within the proposed spacing unit for this well.

Enclosed are copies of the following documents to assist you in your review and approval of Sundance's proposed APD for the above captioned wells:

- Plat illustrating the of Codell/Niobrara/J-Sand/Sussex wells within the existing 160 acre governmental quarter section (SW/4) to be less than eight (8) in accordance with the COGCC Rule 318A.f.

*We are what we repeatedly do. Excellence, then, is not an act, but a habit.*

-Aristotle

- Plats illustrating proposed wellbore spacing unit for each well.

Thank you for your attention to the enclosed. Sundance Energy, Inc. respectfully requests that the COGCC review the enclosed information and approve the requested exception location waivers and Application for Permit to Drill for the above captioned wells.

Very Respectfully,

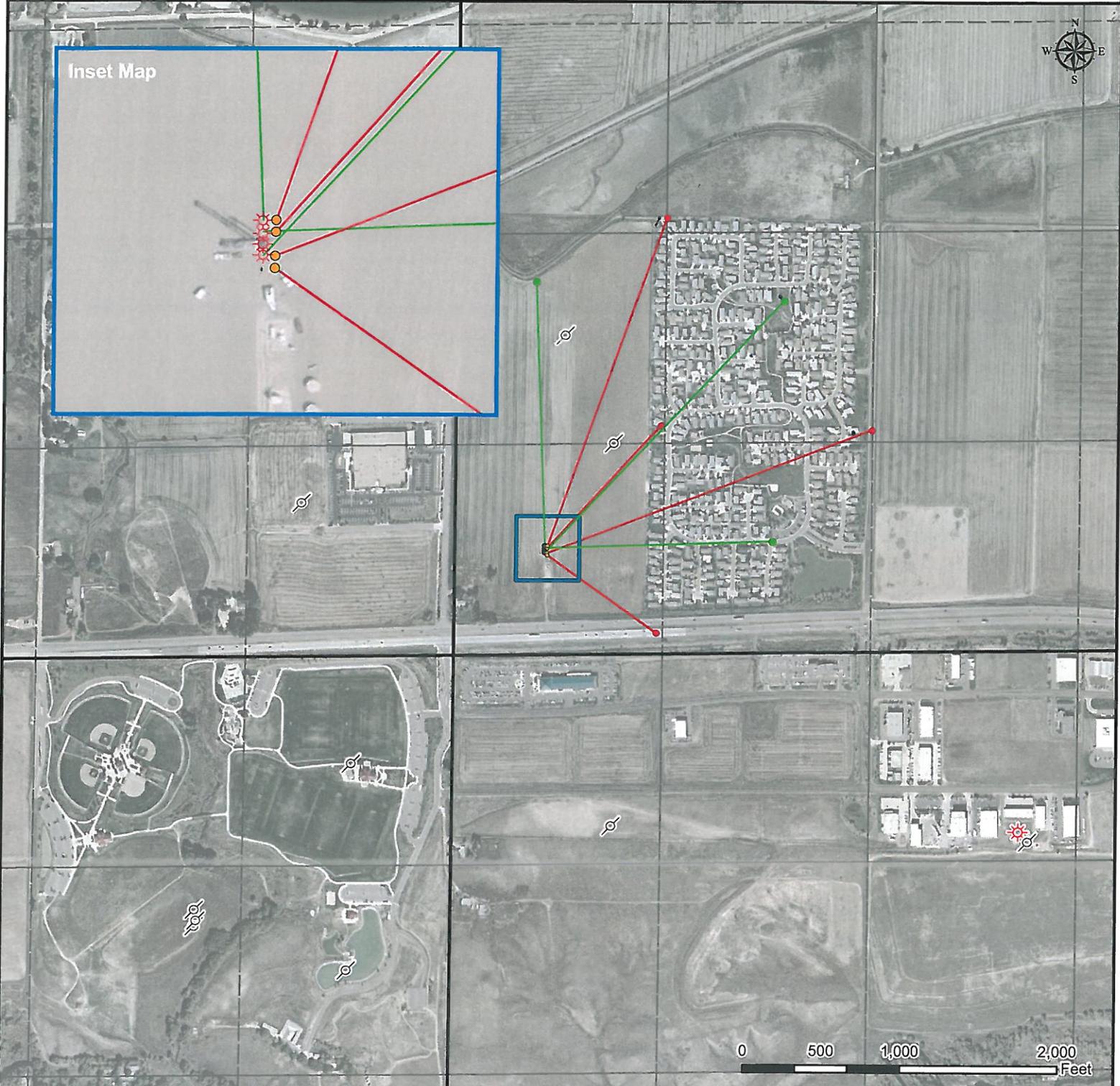


Kallasandra M. Moran  
Regulatory Technician, Petroleum Field Services  
Agent for Sundance Energy, Inc.

# Location Drawing MAY JON 5E #7

## Multi Well Pad

**SW¼ SW¼ SECTION 5, TOWNSHIP 2 NORTH, RANGE 68 WEST OF THE 6TH PRINCIPAL MERIDIAN**



Legend			
<span style="color: orange;">●</span> Proposed Well	<span style="color: red;">●</span> Proposed Bottom Hole	<span style="color: red;">—</span> Proposed Bore	Abandoned Location
<span style="color: blue;">●</span> Existing well	<span style="color: green;">●</span> Existing Bottom Hole	<span style="color: green;">—</span> Existing Bore	Producing

**Reference Location**  
 \*\* All Measurements are Made from Reference Well  
 MAY JON 5E #7 (NAD83) \*\*  
**LAT: 40.16201° LONG: -105.03439°**  
**Elevation: 4932 Feet**

Surface Use: Flood Irrigated Crop

**PFS** Petroleum Field Services  
 Use our resources to find yours!  
[www.petro-fs.com](http://www.petro-fs.com)  
 (303) 928-7128

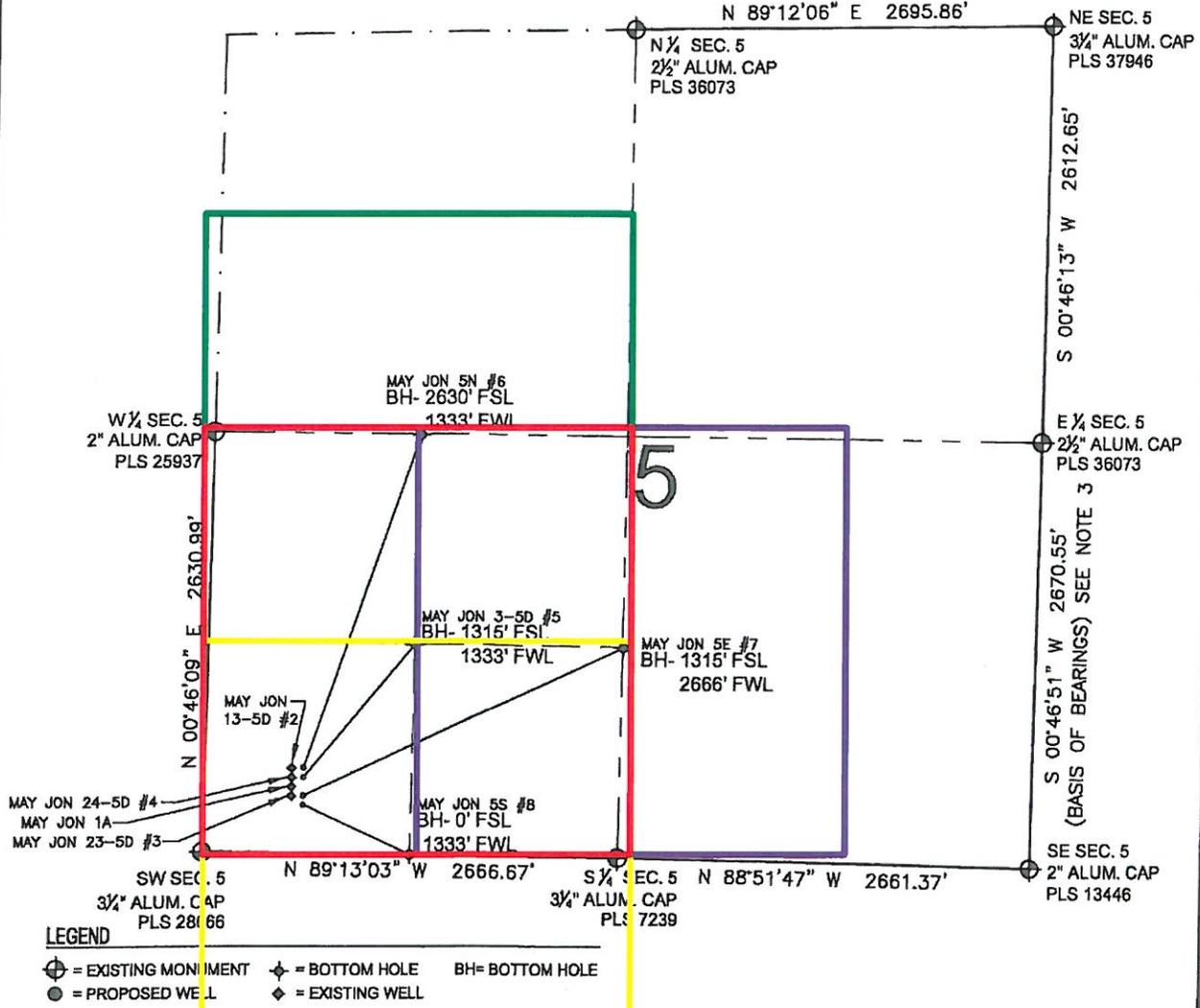
Field Date: 07/19/2011  
 Drafting Date: 09/15/2011  
 Drafter: DMM  
 Checked By: BHF

Data Sources:  
 - Aerial courtesy of NAIP (2009)  
 - PLSS courtesy GCDB  
 - Wells courtesy COGCC

Prepared for: **SUNDANCE**  
 energy

# PAD DRAWING: MAY JON 4 PAD

SECTION 5, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



**LEGEND**

- ⊕ = EXISTING MONUMENT    ⊕ = BOTTOM HOLE    BH= BOTTOM HOLE
- = PROPOSED WELL        ⊕ = EXISTING WELL

**NOTES:**

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.S.C.O., RULE NO. 219
2. HORIZONTAL POSITIONS AND ORTHOMETRIC ELEVATIONS SHOWN AT THE WELL HEAD, ARE BASED ON GPS-RTK POSITIONS DERIVED FROM MINIMUM 2-HOUR STATIC OBSERVATIONS CORRECTED BY THE NATIONAL GEODETIC SURVEY ONLINE POSITIONING USER SERVICE, O.P.U.S. DATUM: HORIZONTAL = NAD83/2007, VERTICAL = NAVD88
3. THE BASIS OF BEARINGS ARE STATE PLANE COORDINATE SYSTEM GRID BEARINGS SHOWN HEREON BETWEEN THE DESCRIBED THE MONUMENTS SHOWN HEREON.
4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

**NOTES:**

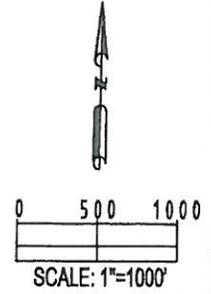
- MAY JON 5N #6 TO BE AT 535' FSL, 634' FWL. BOTTOM HOLE AT 2630' FSL & 1333' FWL.
- MAY JON 3-5D #5 TO BE AT 521' FSL, 634' FWL. BOTTOM HOLE AT 1315' FSL & 1333' FWL.
- MAY JON 5E #7 TO BE AT 491' FSL, 633' FWL. BOTTOM HOLE AT 1315' FSL & 2666' FWL.
- MAY JON 5S #8 TO BE AT 476' FSL, 633' FWL. BOTTOM HOLE AT 0' FSL & 1333' FWL.
- MAY JON 13-5D #2 IS 535' FSL, 620' FWL.
- MAY JON 24-5D #4 IS 521' FSL, 620' FWL.
- MAY JON 1A IS 506' FSL, 619' FWL.
- MAY JON 23-5D #3 IS 491' FSL, 619' FWL.

PREPARED BY:



SUNDANCE ENERGY

FIELD DATE: 07-19-11	PAD NAME: MAY JON 4 PAD
DRAWING DATE: 07-26-11	SURFACE LOCATION: WELD COUNTY, COLORADO SW 1/4 SW 1/4, SEC. 5, T2N, R68W
BY: SMF & EFW	



# WELL LOCATION CERTIFICATE: MAY JON 3-5D #5

SECTION 5, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.

N 89°12'06" E 2695.86'

**NOTES:**  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-FLOOD IRRIGATED CROP  
 EXISTING WELL MAY JON 13-5D #2 IS 20' NW  
 AT 535' FSL & 620' FWL  
 EXISTING WELL MAY JON 24-5D #4 IS 14' W  
 AT 521' FSL & 620' FWL  
 EXISTING WELL MAY JON 1A IS 21' SW  
 AT 506' FSL & 619' FWL  
 EXISTING WELL MAY JON 23-5D #3 IS 33' SW  
 AT 491' FSL & 619' FWL  
 SEE ATTACHED MAP FOR ADDITIONAL  
 IMPROVEMENTS WITHIN 400'.

PDOP= 1.9  
 GPS OPERATOR: OWEN MCKEE

N ¼ SEC. 5  
 2 ½" ALUM. CAP  
 PLS 36073

NE SEC. 5  
 ¾" ALUM. CAP  
 PLS 37946

W ¼ SEC. 5  
 2" ALUM. CAP  
 PLS 25937

S 00°46'13" W 2612.65'

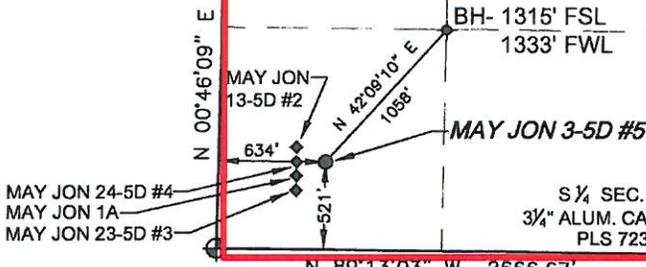
E ¼ SEC. 5  
 2 ½" ALUM. CAP  
 PLS 36073

**SURFACE LOCATION**  
 GROUND ELEVATION= 4932'  
 NAD83  
 LATITUDE= 40.16209°  
 LONGITUDE= 105.03438°

**BOTTOM HOLE LOCATION**  
 NAD83  
 LATITUDE= 40.16423°  
 LONGITUDE= 105.03183°

N 00°46'09" E 2630.99'

S 00°46'51" W 2670.55'  
 (BASIS OF BEARINGS) SEE NOTE 3



S ¼ SEC. 5  
 ¾" ALUM. CAP  
 PLS 7239

SW SEC. 5  
 ¾" ALUM. CAP  
 PLS 28666

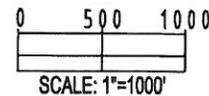
N 88°51'47" W 2661.37'

SE SEC. 5  
 2" ALUM. CAP  
 PLS 13446

WELL MAY JON 3-5D #5 TO BE LOCATED 521' FSL AND 634' FWL

**LEGEND**

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**NOTES:**

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4. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.

I, MARK A. HALL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **SUNDANCE ENERGY**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL. THIS CERTIFICATE DOES NOT REPRESENT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT AS DEFINED BY C.R.S. 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP.

MARK A. HALL, PLS 36073  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

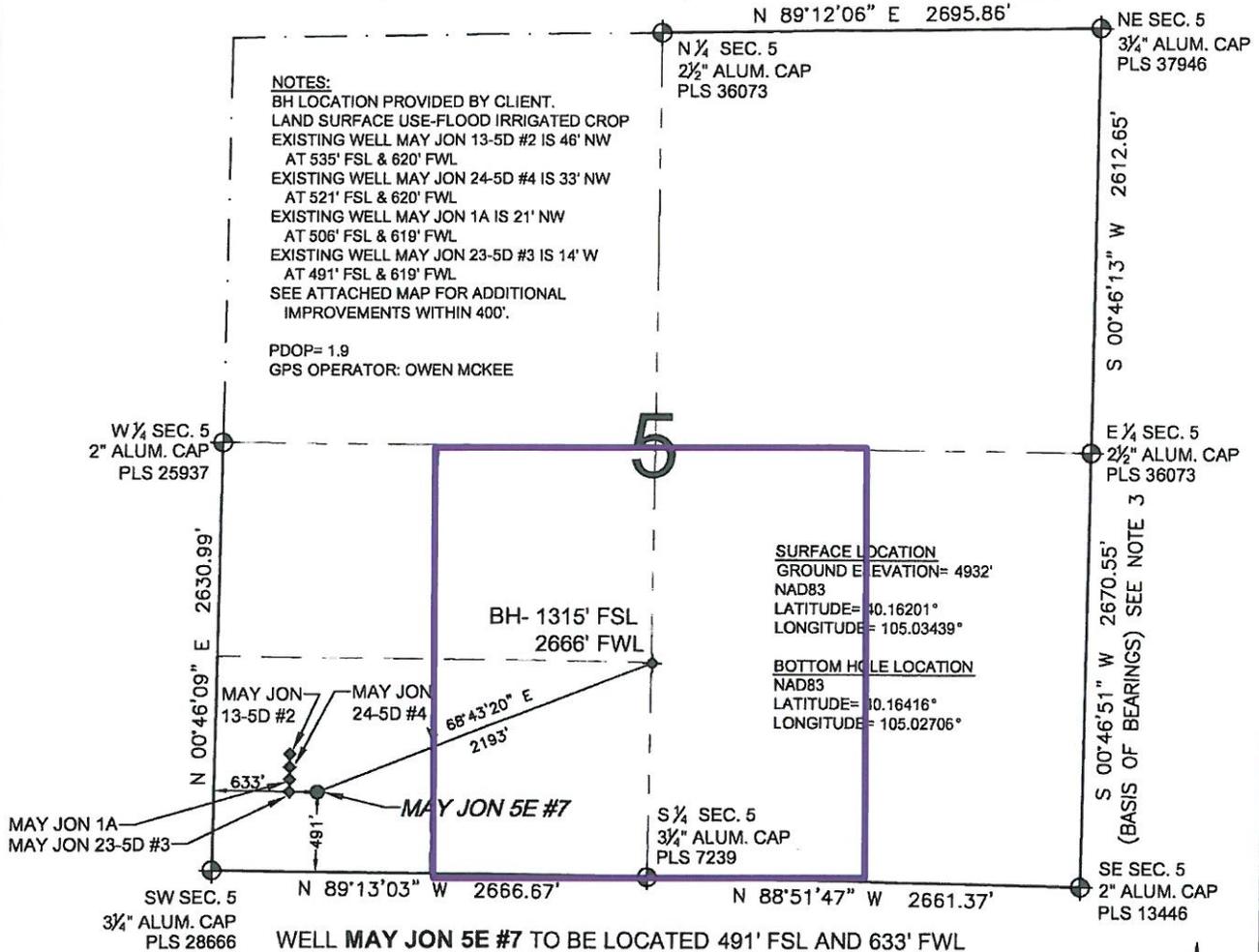


PREPARED BY:	FIELD DATE: 05-25-11	SURFACE LOCATION: SW 1/4 SW 1/4,
	DRAWING DATE: 06-17-11	SEC. 5, T2N, R68W
BY: SMF		WELD COUNTY, COLORADO

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THIS SAID DATE OF THIS CERTIFICATION SHOWN HEREON.

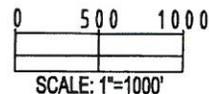
# WELL LOCATION CERTIFICATE: MAY JON 5E #7

SECTION 5, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.



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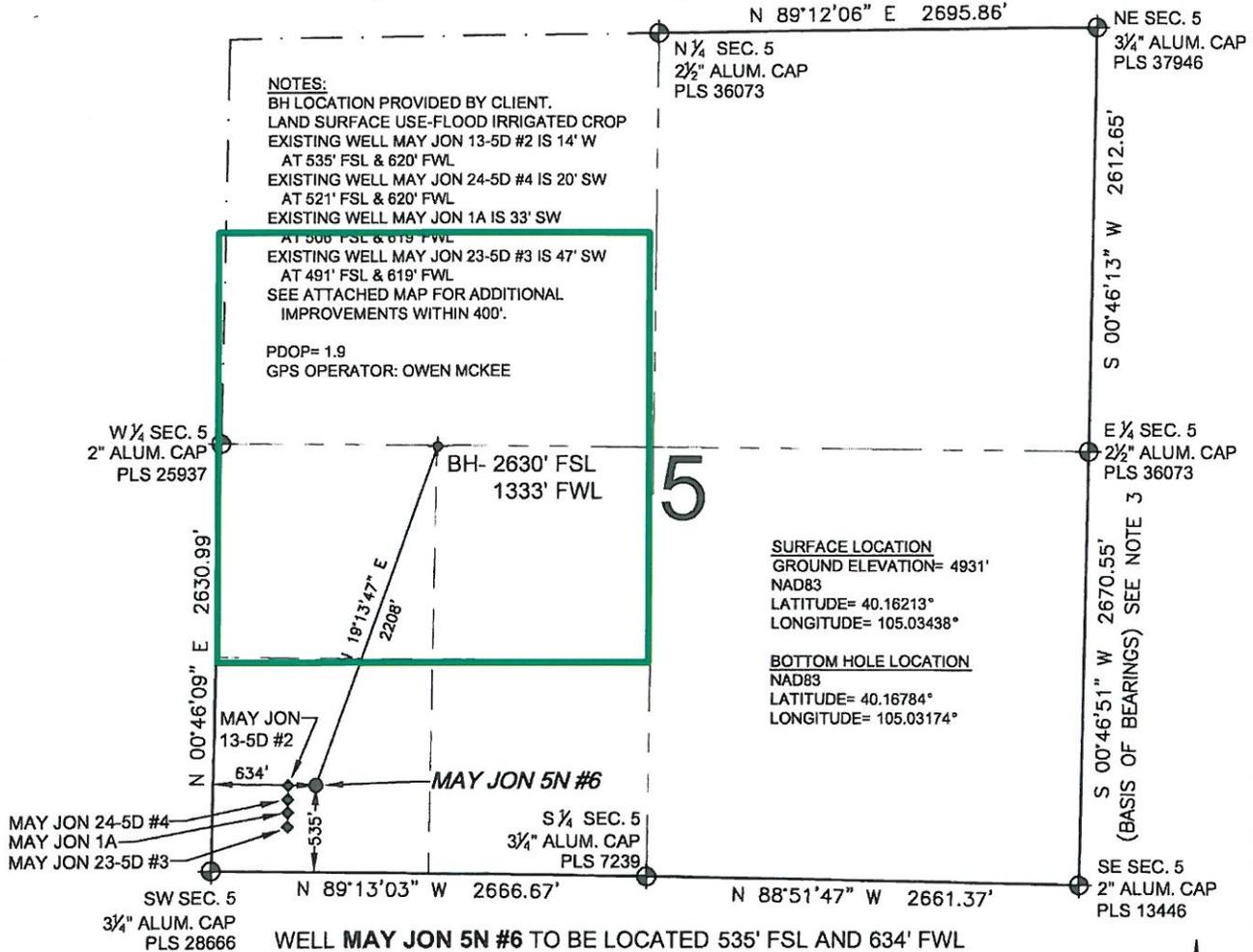
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PREPARED BY:	FIELD DATE: 07-19-11	SURFACE LOCATION:
	DRAWING DATE: 07-26-11	SW 1/4 SW 1/4, SEC. 5, T2N, R68W
BY: SMF & EFW		WELD COUNTY, COLORADO

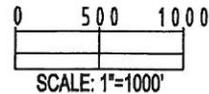
# WELL LOCATION CERTIFICATE: MAY JON 5N #6

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 FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY:  PFS Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 05-25-11	SURFACE LOCATION: SW 1/4 SW 1/4,
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# WELL LOCATION CERTIFICATE: MAY JON 5S #8

SECTION 5, TOWNSHIP 2 NORTH, RANGE 68 WEST, 6TH P.M.

N 89°12'06" E 2695.86'

**NOTES:**  
 BH LOCATION PROVIDED BY CLIENT.  
 LAND SURFACE USE-FLOOD IRRIGATED CROP  
 EXISTING WELL MAY JON 13-5D #2 IS 61' NW  
 AT 535' FSL & 620' FWL  
 EXISTING WELL MAY JON 24-5D #4 IS 47' NW  
 AT 521' FSL & 620' FWL  
 EXISTING WELL MAY JON 1A IS 33' NW  
 AT 506' FSL & 619' FWL  
 EXISTING WELL MAY JON 23-5D #3 IS 21' NW  
 AT 491' FSL & 619' FWL  
 SEE ATTACHED MAP FOR ADDITIONAL  
 IMPROVEMENTS WITHIN 400'.

PDOP= 1.9  
 GPS OPERATOR: OWEN MCKEE

N ¼ SEC. 5  
 2 ½" ALUM. CAP  
 PLS 36073

NE SEC. 5  
 3 ¼" ALUM. CAP  
 PLS 37946

W ¼ SEC. 5  
 2" ALUM. CAP  
 PLS 25937

S 00°46'13" W 2612.65'

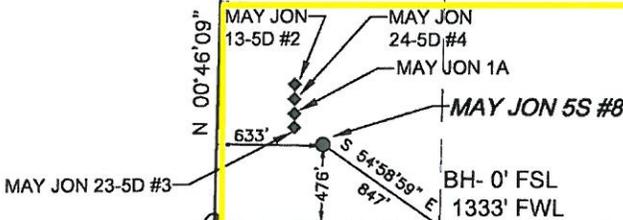
E ¼ SEC. 5  
 2 ½" ALUM. CAP  
 PLS 36073

**SURFACE LOCATION**  
 GROUND ELEVATION= 4932'  
 NAD83  
 LATITUDE= 40.16197°  
 LONGITUDE= 105.03439°

**BOTTOM HOLE LOCATION**  
 NAD83  
 LATITUDE= 40.16082°  
 LONGITUDE= 105.03192°

N 00°46'09" E 2630.99'

S 00°46'51" W 2670.55'  
 (BASIS OF BEARINGS) SEE NOTE 3



S ¼ SEC. 5  
 3 ¼" ALUM. CAP  
 PLS 7239

N 88°51'47" W 2661.37'

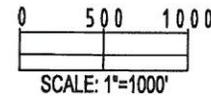
SW SEC. 5  
 3 ¼" ALUM. CAP  
 PLS 28666

SE SEC. 5  
 2" ALUM. CAP  
 PLS 13446

WELL MAY JON 5S #8 TO BE LOCATED 476' FSL AND 633' FWL

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 FOR AND ON BEHALF OF P.F.S., LLC



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	DRAWING DATE: 07-26-11	SW 1/4 SW 1/4, SEC. 5, T2N, R68W
BY: SMF & EFW		WELD COUNTY, COLORADO

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