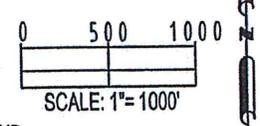
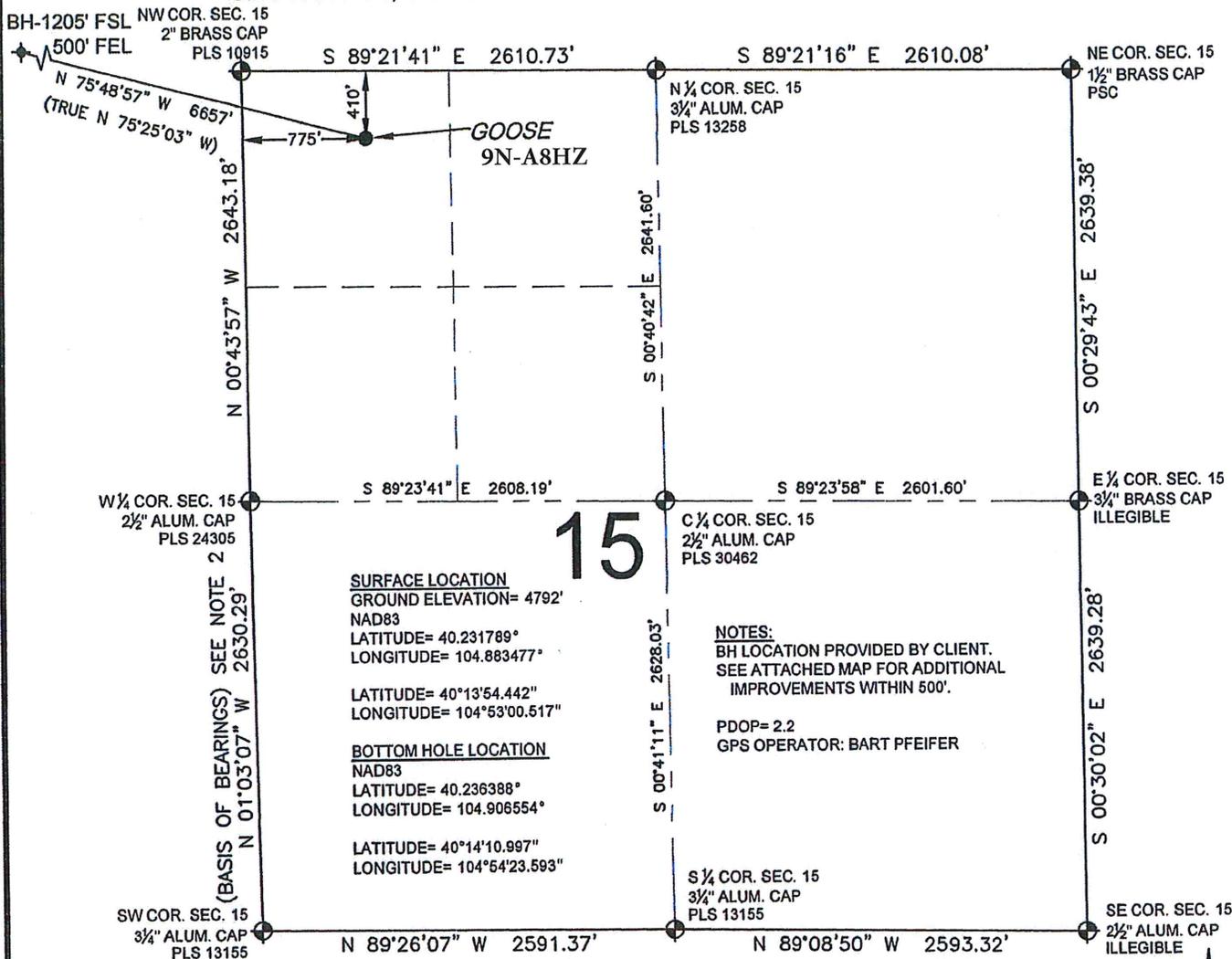


# WELL LOCATION CERTIFICATE: GOOSE 9N-A8HZ

SECTION 15, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



I, DANIEL JOHN CORRIELL, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **KERR-MCGEE OIL & GAS ONSHORE LP**, 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.



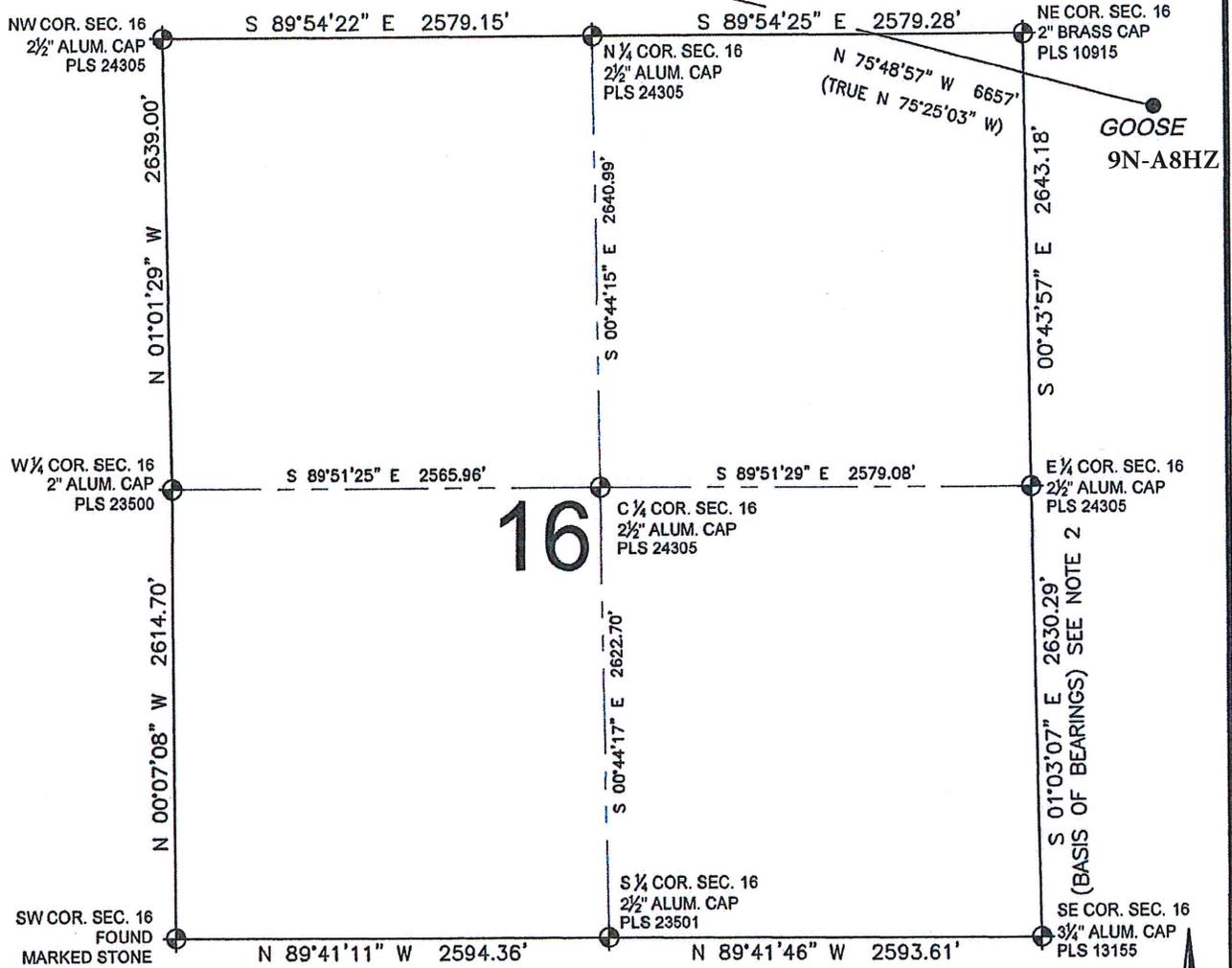
SHEET 1 OF 4  
 DANIEL JOHN CORRIELL, PLS 38065  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY:  Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE:	09-04-14	SURFACE LOCATION:	NW 1/4 NW 1/4,
	DRAWING DATE:	10-14-14		SEC. 15, T3N, R67W, 6TH P.M.
	BY:	MDCL	CHECKED:	SMF
				WELD COUNTY, COLORADO

# WELL LOCATION CERTIFICATE: GOOSE 9N-A8HZ

SECTION 16, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.

BH-1205' FSL  
500' FEL

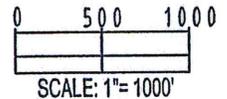


16

(BASIS OF BEARINGS) SEE NOTE 2

### LEGEND

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



### NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.
4. ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.

DANIEL JOHN CORRIELL, PLS 38065  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



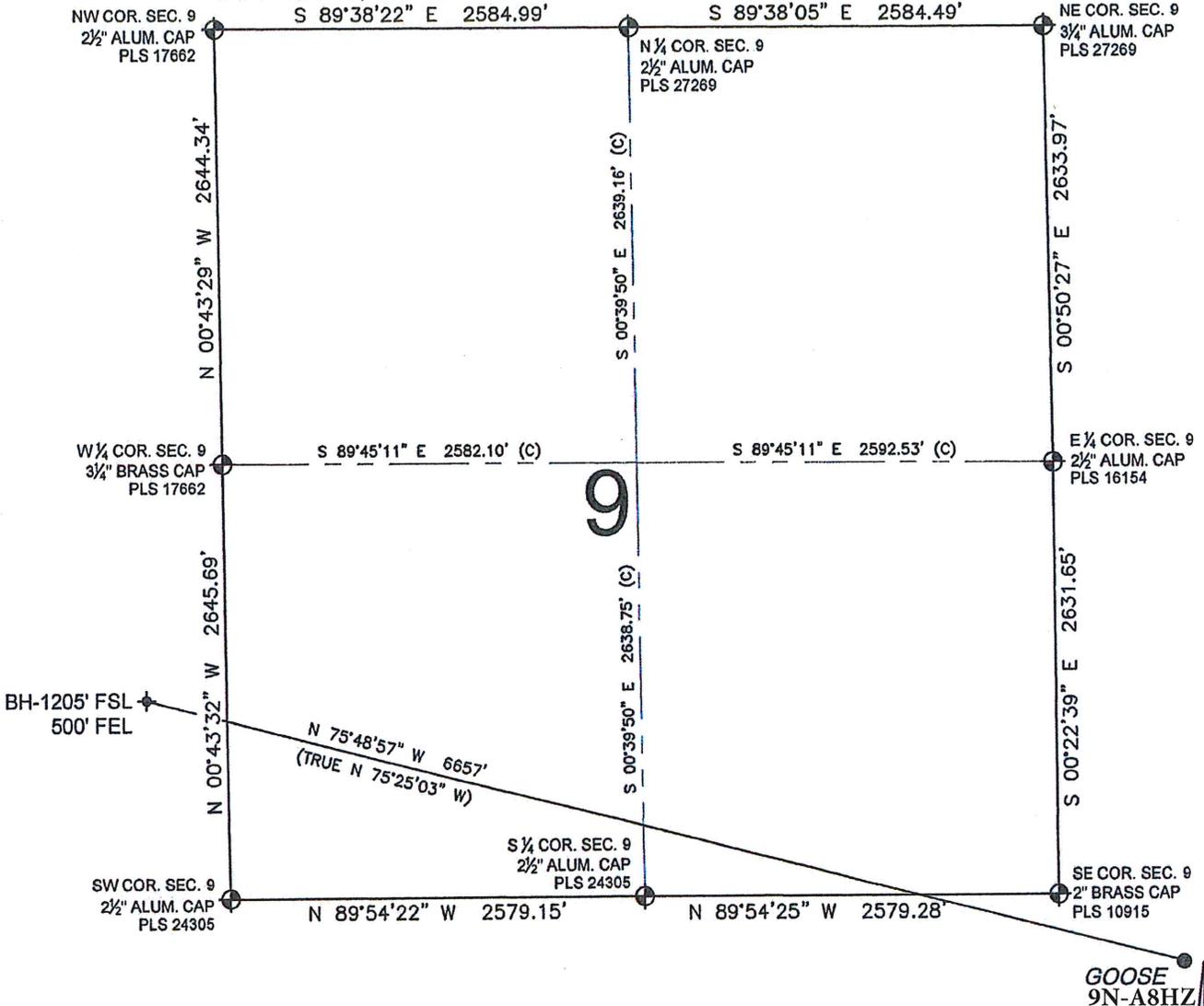
SHEET 2 OF 4

PREPARED BY:  Petroleum Field Services, LLC 7535 Hilltop Circle Denver, CO 80221	FIELD DATE: 09-04-14	SURFACE LOCATION: NW 1/4 NW 1/4, SEC. 15, T3N, R67W, 6TH P.M.
	DRAWING DATE: 10-14-14	WELD COUNTY, COLORADO
BY: MDCL	CHECKED: SMF	

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.

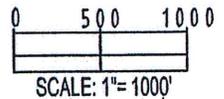
# WELL LOCATION CERTIFICATE: GOOSE 9N-A8HZ

SECTION 9, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



### LEGEND

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

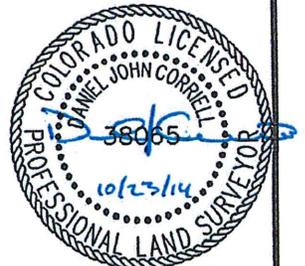


### NOTES:

- THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
- BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
- GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.
- ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.

SHEET 3 OF 4

DANIEL JOHN CORRIELL, PLS 38065  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

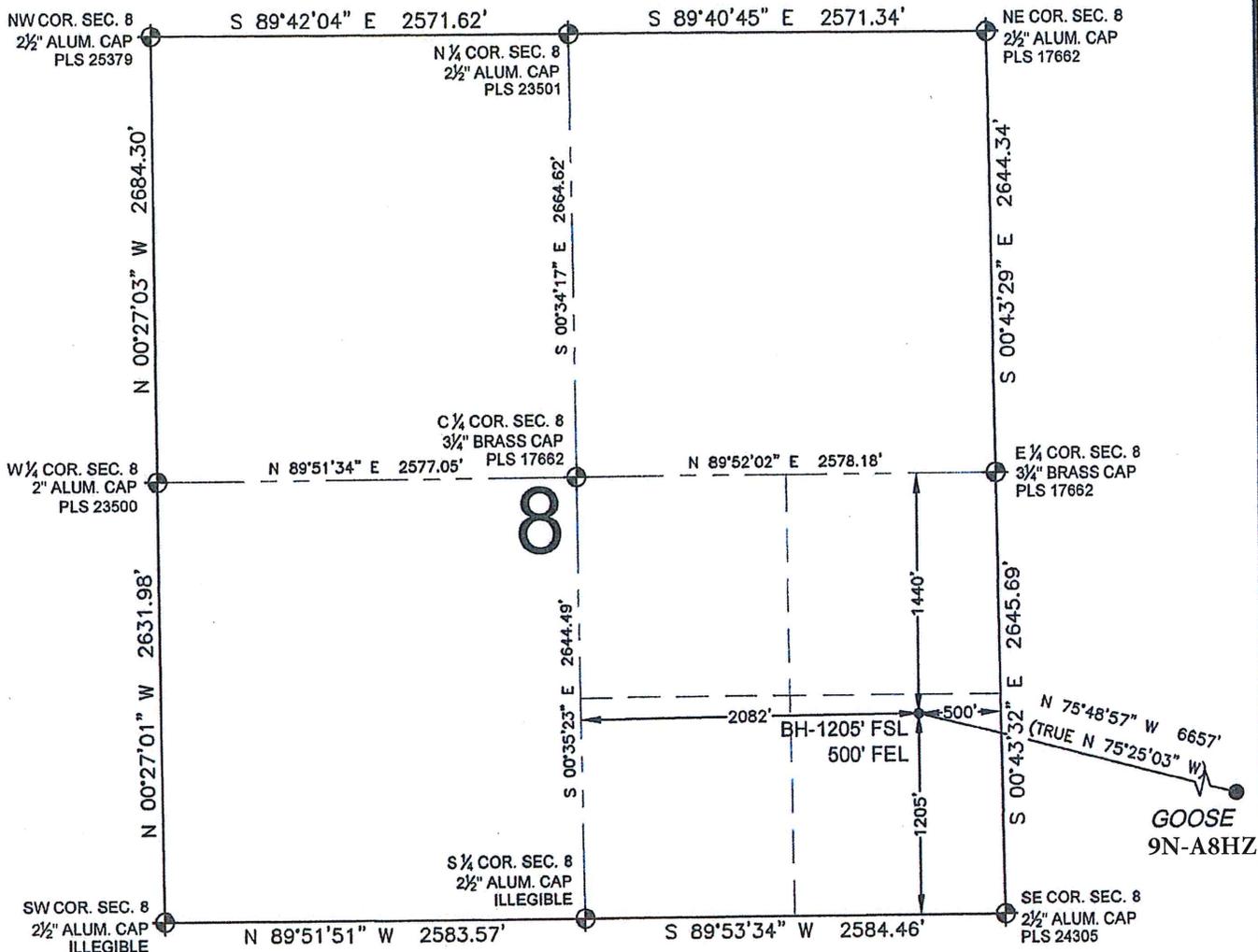


PREPARED BY:	FIELD DATE:	SURFACE LOCATION:
	09-04-14	NW 1/4 NW 1/4,
	DRAWING DATE:	SEC. 15, T3N, R67W, 6TH P.M.
	10-14-14	
BY:	CHECKED:	WELD COUNTY, COLORADO
MDCL	SMF	

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: GOOSE 9N-A8HZ

## SECTION 8, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.

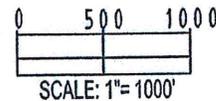


### LEGEND

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

### NOTES:

1. THIS FIELD SURVEY CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215
2. BEARINGS AND DISTANCE SHOWN HEREON ARE GRID AND BASED ON THE COLORADO STATE PLANE COORDINATE SYSTEM, NAD 83/2011 BETWEEN MONUMENTS AS LABELED HEREON AND ELEVATIONS SHOWN ARE NAVD 88, AS DERIVED BY GPS OBSERVATIONS.
3. GRID DISTANCES ARE SHOWN, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED PERPENDICULAR TO SECTION LINES.
4. ALL LINES SHOWN THAT ARE WITHOUT DIMENSION SHOULD BE CONSIDERED SCALED AND ONLY REPRESENT A GRAPHICAL DEPICTION OF THE APPROXIMATE LOCATION OF SAID LINE.



DANIEL JOHN CORRIELL, PLS 38065  
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
 FOR AND ON BEHALF OF P.F.S., LLC

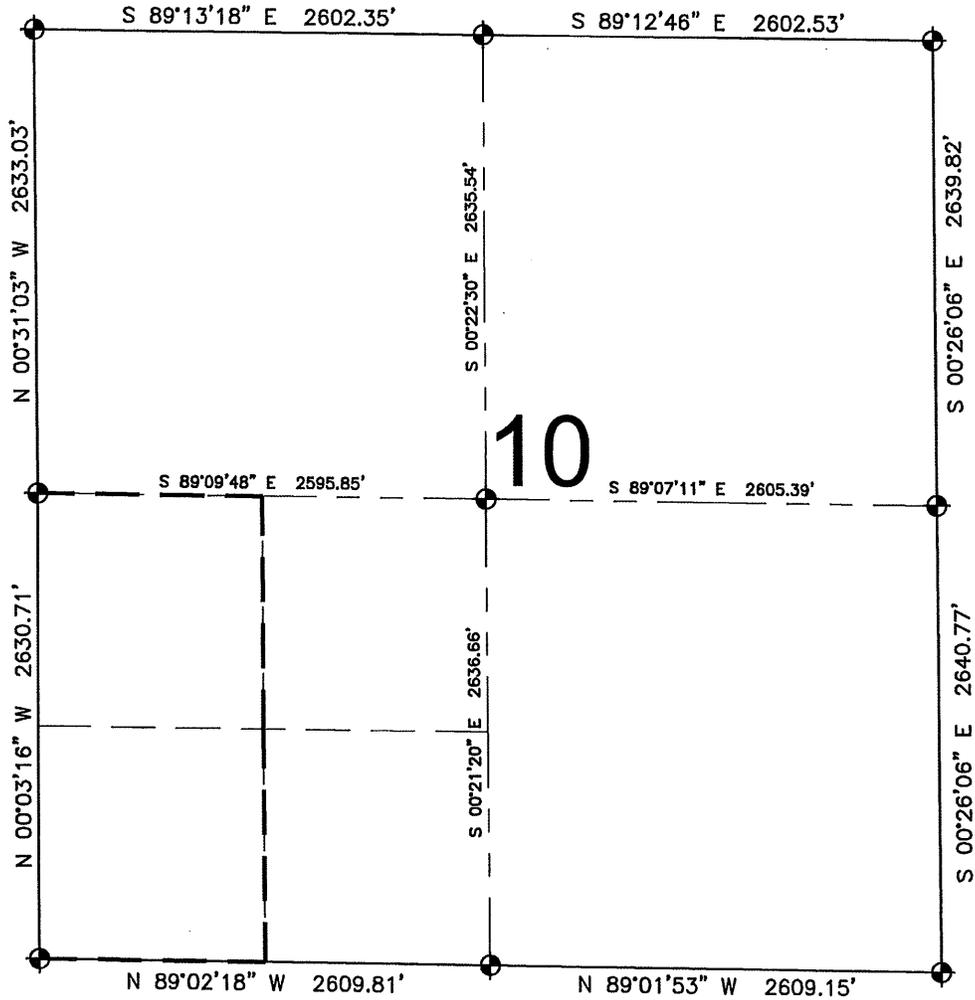
SHEET 4 OF 4

PREPARED BY: PFS Petroleum Field Services, LLC 7335 Hilltop Circle Denver, CO 80221	FIELD DATE: 09-04-14	SURFACE LOCATION: NW 1/4 NW 1/4,
	DRAWING DATE: 10-14-14	SEC. 15, T3N, R67W, 6TH P.M.
BY: MDCL	CHECKED: 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.

# GOOSE 9N-A8HZ

SECTION 10, TOWNSHIP 3 NORTH, RANGE 67 WEST, 6TH P.M.



**LEGEND**

- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED HEEL
- ⊕ = BOTTOM HOLE
- BH = BOTTOM HOLE

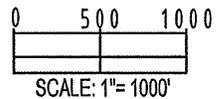
QRT/QRT SECTIONS WITHIN PATH OF THE HARDLINE

SWSW, SEC. 10  
NWSW, SEC. 10

**NOTES:**

1. THIS DOCUMENT IS NOT A LAND SURVEY PLAT OR IMPROVEMENT SURVEY PLAT. THIS DOCUMENT DOES NOT REFLECT A FIELD SURVEY. SECTION BREAKDOWN, MONUMENTATION AND HORIZONTAL POSITIONS SHOWN ARE BASED ON THE HEEL AND BOTTOM HOLE LOCATION PROVIDED BY ANADARKO PETROLEUM CORPORATION

Edited by Kerr-McGee 05/14/15



PREPARED BY:

PFS  
Petroleum Field Services, LLC  
7535 Hilltop Circle  
Denver, CO 80221

DRAWING DATE: 12-03-14		HEEL LOCATION: SE 1/4 SE 1/4, SEC. 9, T3N, R67W, 6TH P.M.	
BY: SMF	CHECKED: MDCL	WELD COUNTY, COLORADO	