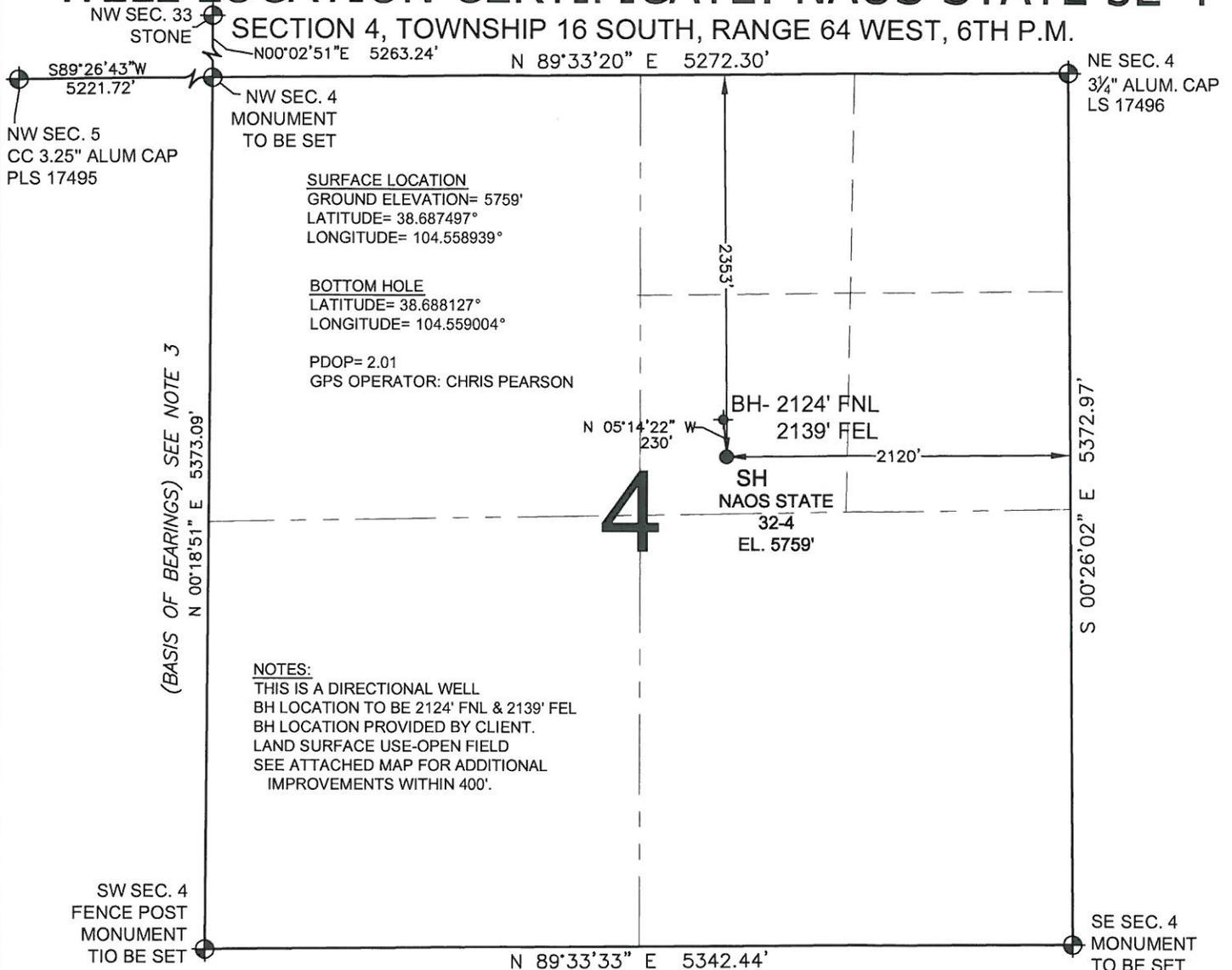


# WELL LOCATION CERTIFICATE: NAOS STATE 32-4

SECTION 4, TOWNSHIP 16 SOUTH, RANGE 64 WEST, 6TH P.M.



**SURFACE LOCATION**  
GROUND ELEVATION= 5759'  
LATITUDE= 38.687497°  
LONGITUDE= 104.558939°

**BOTTOM HOLE**  
LATITUDE= 38.688127°  
LONGITUDE= 104.559004°

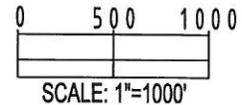
PDOP= 2.01  
GPS OPERATOR: CHRIS PEARSON

**NOTES:**  
THIS IS A DIRECTIONAL WELL  
BH LOCATION TO BE 2124' FNL & 2139' FEL  
BH LOCATION PROVIDED BY CLIENT.  
LAND SURFACE USE-OPEN FIELD  
SEE ATTACHED MAP FOR ADDITIONAL  
IMPROVEMENTS WITHIN 400'.

WELL NAOS STATE 32-4 TO BE LOCATED 2353' FNL AND 2120' FEL, SECTION 4, T16S, R64W OF THE 6th P.M.

## LEGEND

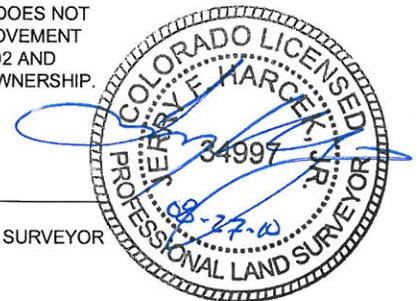
- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◇ = EXISTING WELL



- NOTES:**
- THIS SURVEY WAS DONE BY GPS METHODS AND CONFORMS TO THE MINIMUM STANDARDS SET BY THE C.O.G.C.C., RULE NO. 215 (PDOP VALUE IS LESS THAN 6.0, LATITUDE AND LONGITUDE ARE ACCURATE TO 5 DECIMAL PLACES, AND GPS OBSERVATIONS ARE DIFFERENTIAL AND DONE BY QUALIFIED PERSONNEL.)
  - ELEVATIONS SHOWN AT THE WELL HEAD, AS WELL AS HORIZONTAL CONTROL, ARE BASED ON GPS-RTK VALUES DERIVED FROM DOING 2-HOUR STATIC GPS SESSIONS AND REDUCTIONS USING O.P.U.S. SOLUTIONS.  
VERTICAL = NAVD88; HORIZONTAL = NAD83/92
  - THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
  - DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

I, JERRY F. HARCEK JR., A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY TO **PINE RIDGE OIL & GAS**, THAT THE SURVEY AND WELL LOCATION CERTIFICATE SHOWN HEREON WERE DONE BY ME OR UNDER MY DIRECT SUPERVISION, THAT THE DRAWING SHOWN HEREON ACCURATELY DEPICTS THE PROPOSED LOCATION OF THE WELL **NAOS STATE 32-4**. 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.

JERRY F. HARCEK JR., PLS 34997  
COLORADO LICENSED PROFESSIONAL LAND SURVEYOR  
FOR AND ON BEHALF OF P.F.S., LLC



PREPARED BY: <b>PFS</b> Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204	FIELD DATE: 08-10-10	WELL NAME: NAOS STATE 32-4
	DRAWING DATE: 08-27-10	SURFACE LOCATION: EL PASO COUNTY, COLORADO SW 1/4 NE 1/4, SEC. 4, T16S, R64W
	BY: 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.