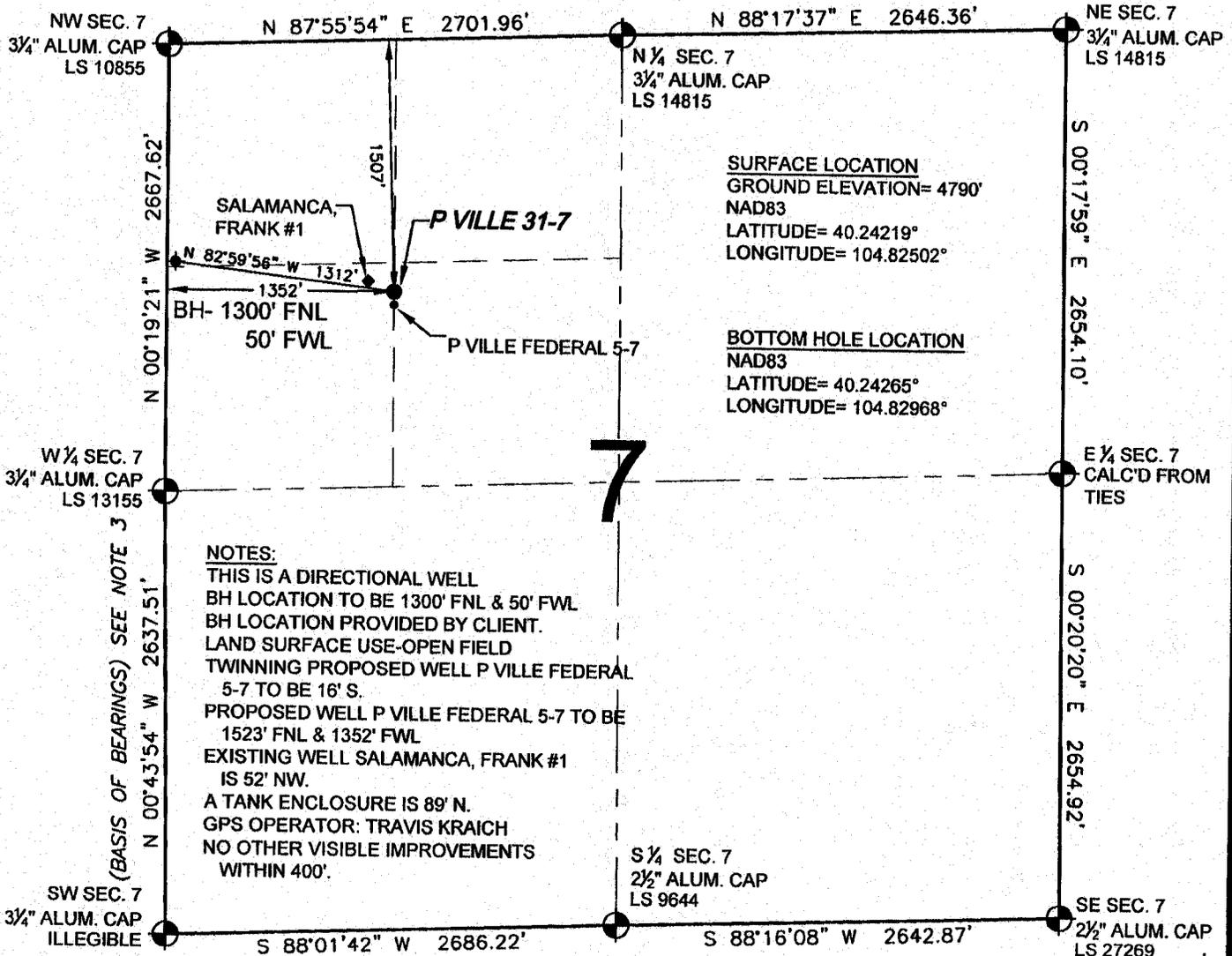


WELL LOCATION CERTIFICATE: P VILLE 31-7

SECTION 7, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.

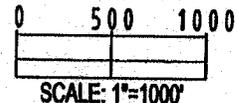


NOTES:
 THIS IS A DIRECTIONAL WELL
 BH LOCATION TO BE 1300' FNL & 50' FWL
 BH LOCATION PROVIDED BY CLIENT.
 LAND SURFACE USE-OPEN FIELD
 TWINNING PROPOSED WELL P VILLE FEDERAL 5-7 TO BE 16' S.
 PROPOSED WELL P VILLE FEDERAL 5-7 TO BE 1523' FNL & 1352' FWL
 EXISTING WELL SALAMANCA, FRANK #1 IS 52' NW.
 A TANK ENCLOSURE IS 89' N.
 GPS OPERATOR: TRAVIS KRAICH
 NO OTHER VISIBLE IMPROVEMENTS WITHIN 400'.

WELL P VILLE 31-7 TO BE LOCATED 1507' FNL AND 1352' FWL, SECTION 7, T3N, R66W OF THE 6th P.M.

LEGEND

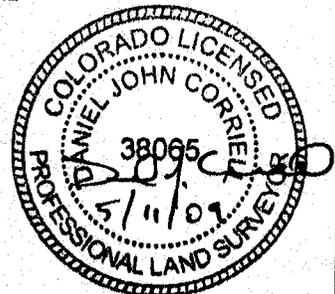
- ⊕ = EXISTING MONUMENT
- ⊙ = PROPOSED WELL
- ◆ = BOTTOM HOLE
- ◆ = EXISTING WELL
- BH = BOTTOM HOLE



NOTES:

1. 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.)
2. 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
3. THE BEARINGS SHOWN HEREON ARE BASED ON GPS OBSERVATIONS BETWEEN THE MONUMENTS SHOWN HEREON AS FOUND ON THE FIELD DATE BELOW.
4. DISTANCES SHOWN ARE AT GROUND LEVEL, AS MEASURED IN THE FIELD, WITH TIES TO WELLS MEASURED AT A PERPENDICULAR TO SECTION LINES.

I, DANIEL J. 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 **P VILLE 31-7**. 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.



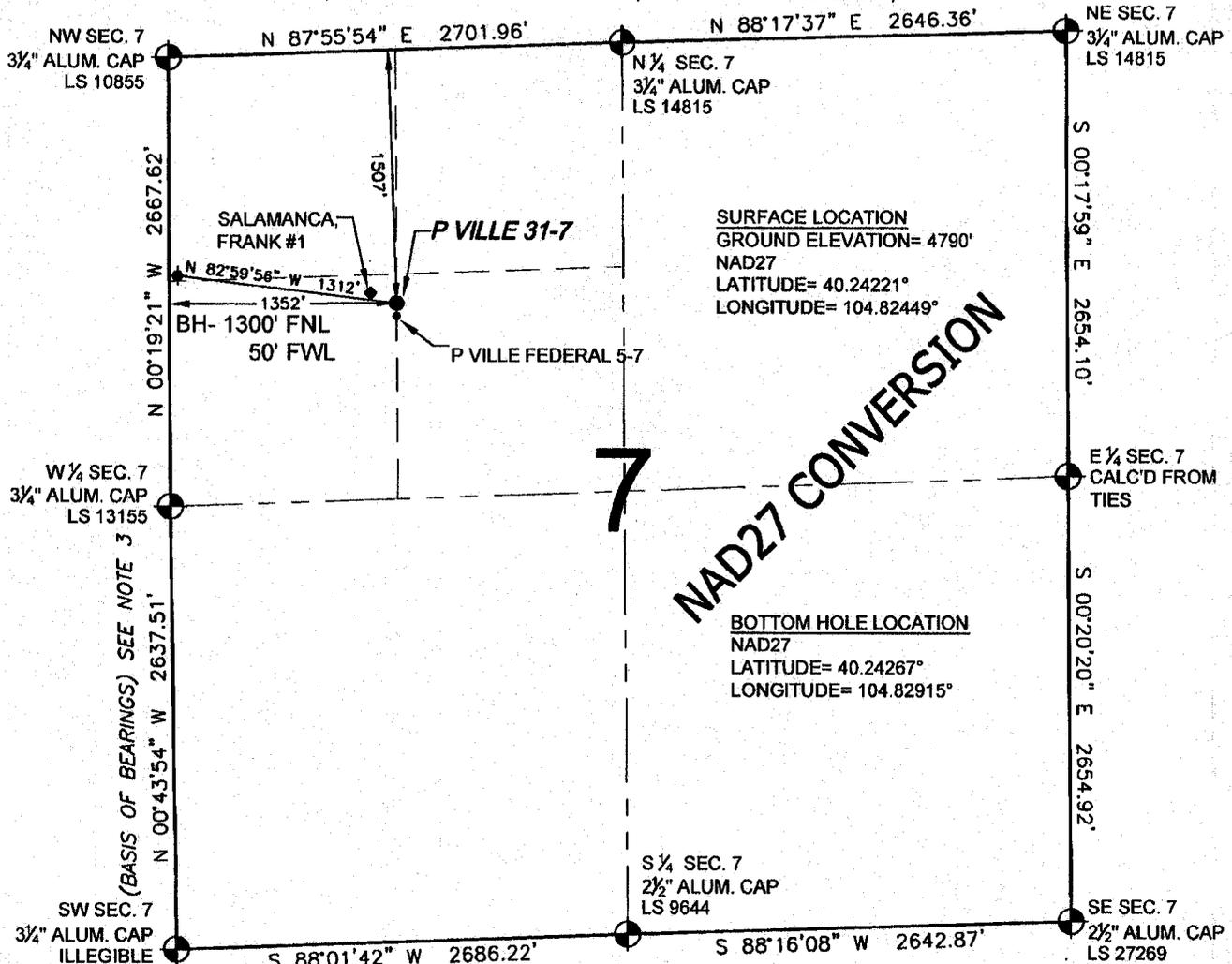
DANIEL J. CORRIELL, PLS 38065
 COLORADO LICENSED PROFESSIONAL LAND SURVEYOR
 FOR AND ON BEHALF OF P.F.S., LLC

PREPARED BY: PFS Petroleum Field Services, LLC 1001 W. 13th Ave. Denver, CO 80204	FIELD DATE: 02-28-09	WELL NAME: P VILLE 31-7
DRAWING DATE: 03-03-09	SURFACE LOCATION: WELD COUNTY, COLORADO	
BY: SMF	SE 1/4 NW 1/4, SEC. 7, T3N, R66W	

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.

EXHIBIT: NAD27 CONVERSION

SECTION 7, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



SURFACE LOCATION
 GROUND ELEVATION= 4790'
 NAD27
 LATITUDE= 40.24221°
 LONGITUDE= 104.82449°

BOTTOM HOLE LOCATION
 NAD27
 LATITUDE= 40.24267°
 LONGITUDE= 104.82915°

WELL P VILLE 31-7 TO BE LOCATED 1507' FNL AND 1352' FWL, SECTION 7, T3N, R66W OF THE 6th P.M.

NAD27 CONVERSION

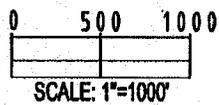
NOTES:

- 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.

LEGEND

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

NOTE: LATITUDE AND LONGITUDE SHOWN WERE CONVERTED FROM NAD83 USING CORPSCON 6.0 (PROGRAM). PFS DOES NOT WARRANT OR GUARANTEE THEIR ACCURACY.



PREPARED BY:  PFS Petroleum Field Services, LLC 1801 W. 33rd Ave. Denver, CO 80204	FIELD DATE: 02-26-09	WELL NAME: P VILLE 31-7
	DRAWING DATE: 03-03-09	SURFACE LOCATION: WELD COUNTY, COLORADO SE 1/4 NW 1/4, SEC. 7, T3N, R66W
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.