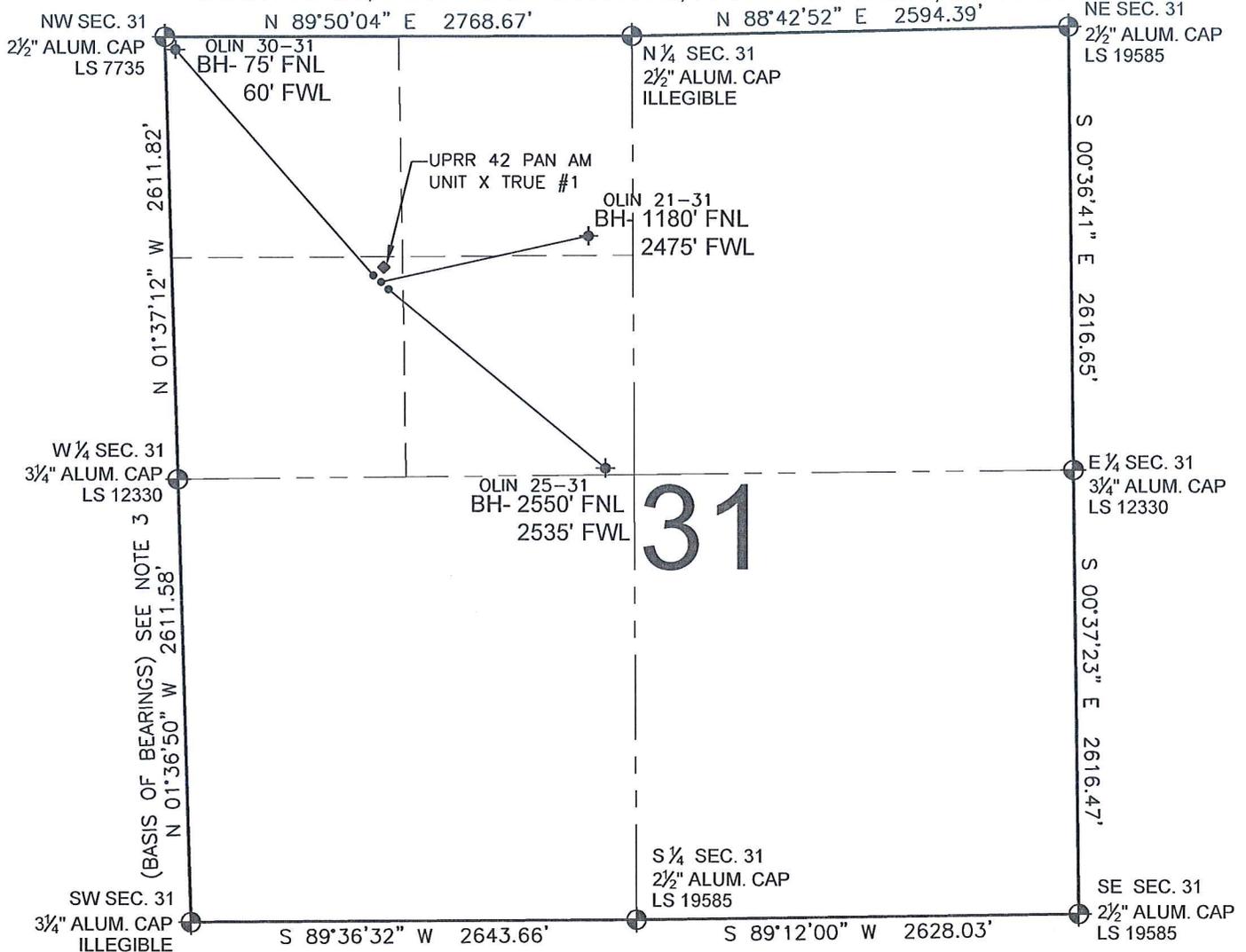


PAD DRAWING - OLIN 3 PAD

SECTION 31, TOWNSHIP 3 NORTH, RANGE 66 WEST, 6TH P.M.



LEGEND

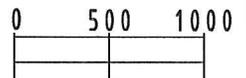
- ⊕ = EXISTING MONUMENT ◆ = BOTTOM HOLE BH= BOTTOM HOLE
- = PROPOSED WELL ◆ = EXISTING WELL

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.

NOTES:

- OLIN 25-31 TO BE AT 1492' FNL, 1280' FWL.
- BOTTOM HOLE AT 2550' FNL & 2535' FWL.
- OLIN 21-31 TO BE AT 1473' FNL, 1258' FWL.
- BOTTOM HOLE AT 1180' FNL & 2475' FWL.
- OLIN 30-31 TO BE AT 1453' FNL, 1236' FWL.
- BOTTOM HOLE AT 75' FNL & 60' FWL.
- UPRR 42 PAN AM UNIT X TRUE #1 IS 1417' FNL, 1268' FWL.



SCALE: 1"=1000'

REVISIONS		PREPARED BY:
INITIAL	DATE	
		 PFS <small>llc</small> Petroleum Field Services, LLC 1801 W. 13th Ave. Denver, CO 80204

KERR-MCGEE OIL & GAS ONSHORE LP

FIELD DATE: 03-08-10	PAD NAME: OLIN 3 PAD
DRAWING DATE: 03-10-10	SURFACE LOCATION: WELD COUNTY, COLORADO SW 1/4 NW 1/4, SEC. 31, T3N, R66W
BY: SMF	