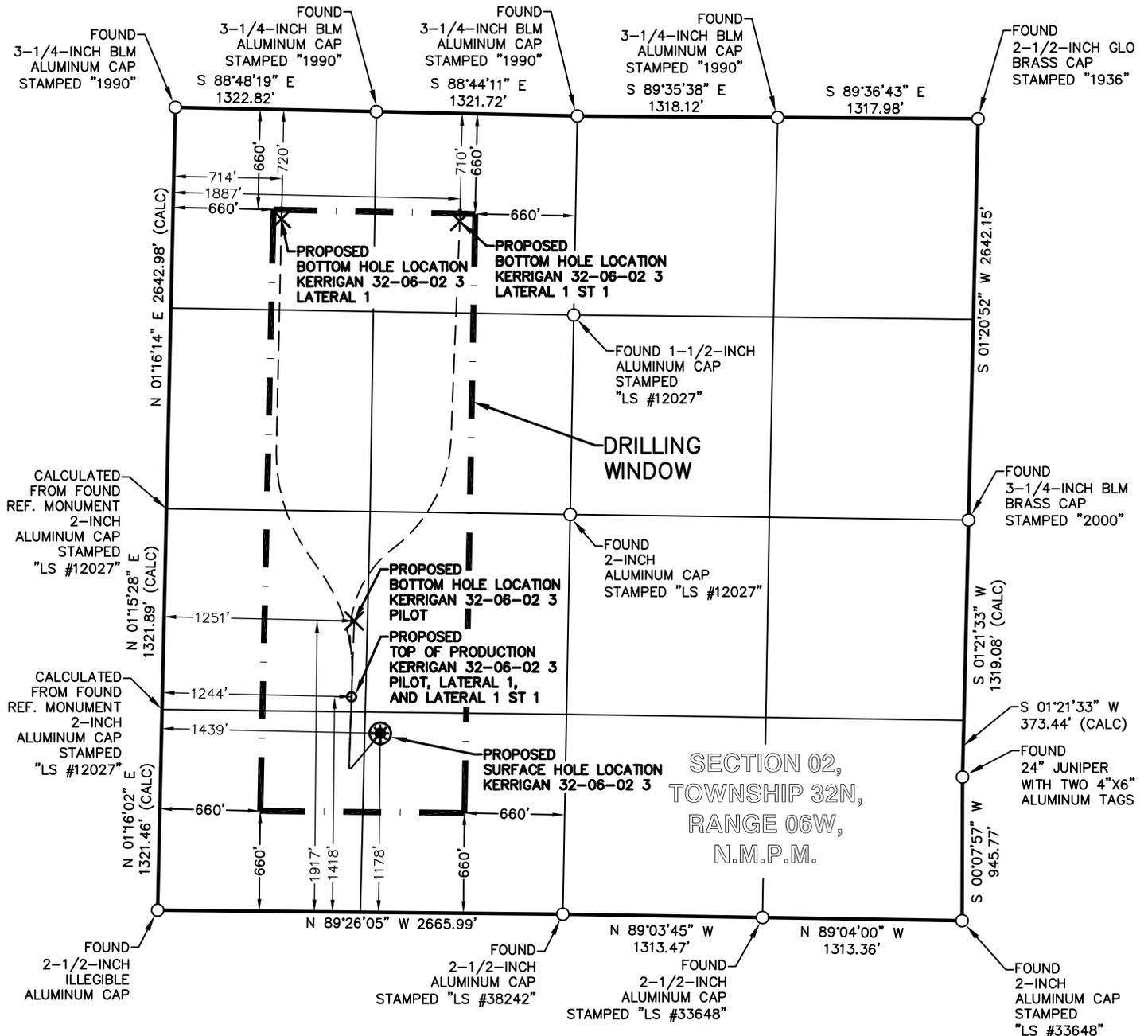
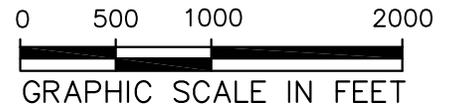


LEGEND
 FOUND MONUMENT ○
 PROPOSED SURFACE HOLE LOCATION ⊕
 PROPOSED BOTTOM HOLE LOCATION ×



SURVEY NOTES

- SEE SHEET 2 OF 2 FOR COORDINATE TABLE, SURVEY NOTES, AND SURVEYOR'S CERTIFICATE.

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|---|---|
| | BP AMERICA PRODUCTION COMPANY US LOWER 48 ONSHORE |
| | WELL LOCATION PLAT |
| KERRIGAN 32-06-02 3 PART OF SECTION 02, TOWNSHIP 32N, RANGE 06W, N.M.P.M. ARCHULETA COUNTY, COLORADO | |

| | | | | | |
|---------------------|-------------------|-------------------|--------------------|-----------------|----------|
| DRAWN BY CFW/RLM | CHECKED BY RLT | SCALE 1"=1000' | DATE 11/09/2017 | SHEET 1 OF 2 | REVISION |
|---------------------|-------------------|-------------------|--------------------|-----------------|----------|

| KERRIGAN 32-06-02 3 WELLBORE DISTANCES | |
|--|--------|
| SHL TO TOP | 784' |
| TOP TO BHL PILOT | 499' |
| TOP TO BHL LATERAL 1 | 3,258' |
| TOP TO BHL LATERAL 1 ST 1 | 3,343' |

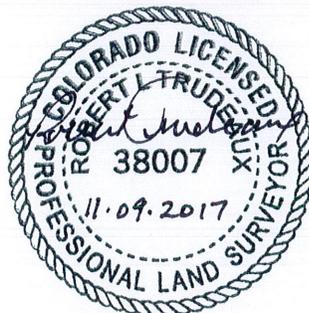
| KERRIGAN 32-06-02 3 | CSZ NAD'83 | NAD'83 | TIES | SEC / TWP / RNG | ELEVATION |
|---|--|---|----------------------------|--------------------------|-----------------------------|
| PROPOSED SURFACE HOLE LOCATION (SHL) | N (Y) = 1,142,918.49' E (X) = 2,423,954.00' | LAT. = 37.04245238°N LON. = 107.47370644°W | FSL = 1178' FWL = 1439' | SEC 02, TWP 32N, RNG 06W | EXISTING GROUND 6391.96' |
| PROPOSED TOP OF PRODUCTION (TOP) PILOT, LAT 1, AND LAT 1 ST 1 | N (Y) = 1,143,159.70' E (X) = 2,423,764.53' | LAT. = 37.04310368°N LON. = 107.47437290°W | FSL = 1418' FWL = 1244' | SEC 02, TWP 32N, RNG 06W | PROPOSED GRADE 6391.72' |
| PROPOSED BOTTOM HOLE LOCATION (BHL) PILOT | N (Y) = 1,143,658.72' E (X) = 2,423,781.96' | LAT. = 37.04447489°N LON. = 107.47434933°W | FSL = 1917' FWL = 1251' | SEC 02, TWP 32N, RNG 06W | |
| PROPOSED BOTTOM HOLE LOCATION (BHL) LAT 1 | N (Y) = 1,146,304.94' E (X) = 2,423,304.00' | LAT. = 37.05171302°N LON. = 107.47617831°W | FNL = 720' FWL = 714' | SEC 02, TWP 32N, RNG 06W | |
| PROPOSED BOTTOM HOLE LOCATION (BHL) LAT 1 ST 1 | N (Y) = 1,146,289.71' E (X) = 2,424,477.02' | LAT. = 37.05173928°N LON. = 107.47215879°W | FNL = 710' FWL = 1887' | SEC 02, TWP 32N, RNG 06W | |

SURVEY NOTES

1. BEARING BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN DATUM OF 1983, COLORADO STATE PLANE COORDINATE SYSTEM, COLORADO SOUTH, ZONE 0503.
2. ELEVATION BASIS FOR THIS SURVEY IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (GEOID12A).
3. SURVEYED IN THE FIELD ON 09/29/2017.
4. BEARINGS AND DISTANCE SHOWN ARE MEASURED IN THE FIELD UNLESS OTHERWISE NOTED.
5. ALL MEASURED DISTANCES SHOWN ARE GRID USING A COMBINED SCALE FACTOR 0.99973689.
6. GPS INSTRUMENT OPERATOR: KENNETH E. REA
7. GPS PDOP VALUE: 1.8

SURVEYOR'S CERTIFICATE

I, ROBERT L. TRUDEAUX, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ACTUAL SURVEY PERFORMED BY ME OR UNDER MY DIRECT RESPONSIBILITY, SUPERVISION AND CHECKING, AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF BASED ON THE STANDARDS OF CARE OF PROFESSIONAL LAND SURVEYORS PRACTICING IN THE STATE OF COLORADO. THIS DOES NOT REPRESENT A LAND SURVEY PLAT, IMPROVEMENT SURVEY PLAT, OR MONUMENTED LAND SURVEY AS DEFINED BY COLORADO REVISED STATUTES 38-51-102 AND CANNOT BE RELIED UPON TO DETERMINE OWNERSHIP. THIS SURVEY IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.



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|  bp | BP AMERICA PRODUCTION COMPANY US LOWER 48 ONSHORE |
| WELL LOCATION PLAT | |
| KERRIGAN 32-06-02 3 PART OF SECTION 02, TOWNSHIP 32N, RANGE 06W, N.M.P.M. ARCHULETA COUNTY, COLORADO | |

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|---------------------|-------------------|--------------|--------------------|-----------------|----------|
| DRAWN BY CFW/RLM | CHECKED BY RLT | SCALE N/A | DATE 11/09/2017 | SHEET 2 OF 2 | REVISION |
|---------------------|-------------------|--------------|--------------------|-----------------|----------|