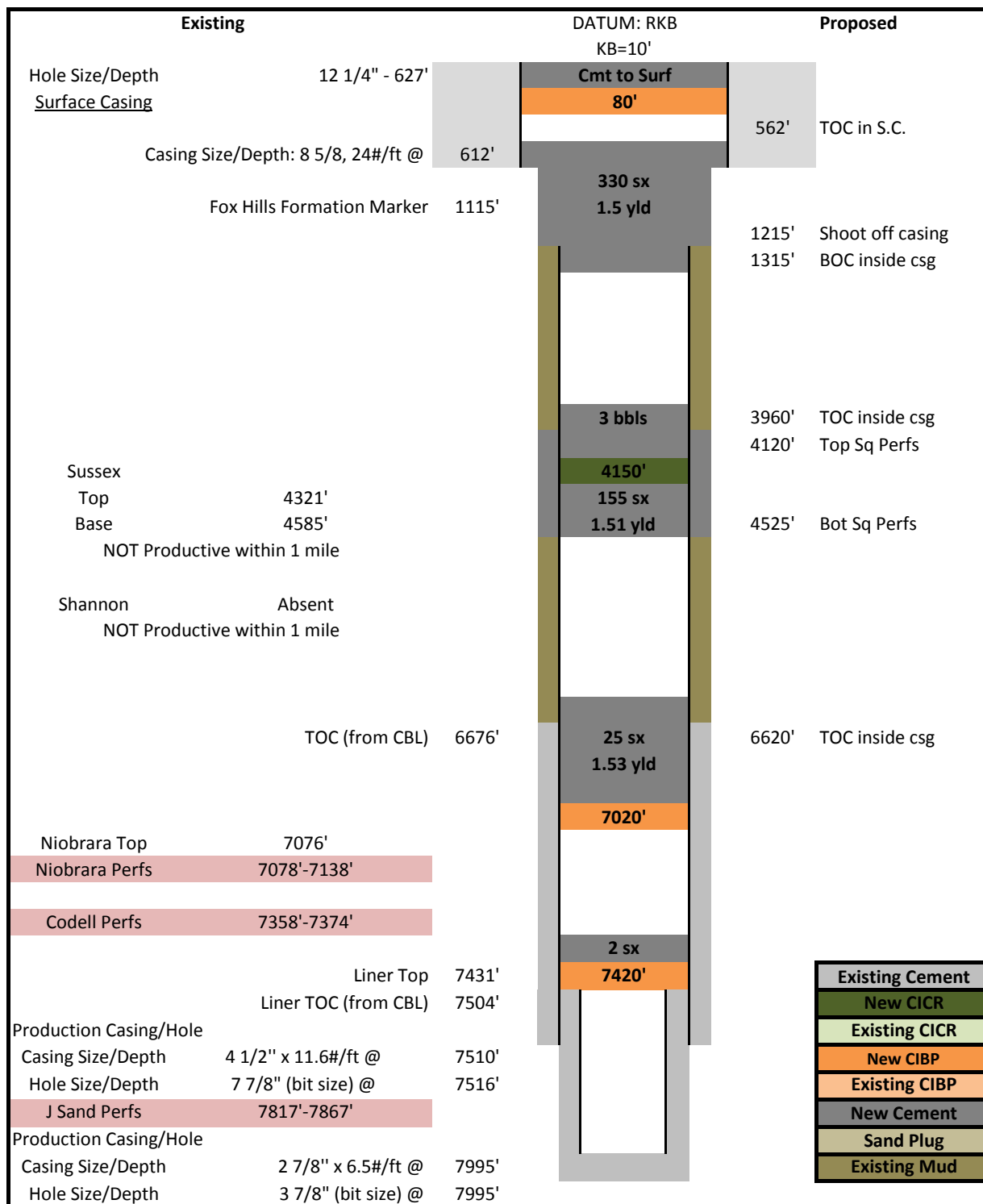


| | | | | | |
|------------|-------------------|---------------|----------|----------|------|
| API: | 05-123-14229 | KB ELEVATION: | 4917 | QTR-QTR: | NWSE |
| WELL NAME: | HSR LANDOR 10-22A | GROUND LEVEL: | 4907 | SECTION: | 22 |
| COUNTY: | WELD | MD: | 7995 | TWNSHIP: | 3N |
| LATITUDE: | 40.2086671 | PBMD: | 7962 | RANGE: | 66W |
| LONGITUDE: | -104.7613791 | CREATED BY: | D. HASZ | | |
| | | DATE: | 1/4/2017 | | |



| GENERAL INPUTS | |
|-------------------------------|---------------------|
| Name | David Hasz |
| Cell Phone Number | 970-371-8820 |
| Date | 1/4/2017 |
| WELL INPUTS | |
| Well Name | HSR LANDOR 10-22A |
| API # | 05-123-14229 |
| WINS # | 74873 |
| Gyro Date: | May-12 |
| Surface Hole Size (in) | 12-1/4 |
| Prod Hole Size (in) | 7-7/8 |
| Surface Casing (size/wt) | 8-5/8", 24# |
| Surface Casing Shoe (ft) | 612 |
| Prod csg (size/wt) | 4-1/2", 11.6# |
| Tubing OD (in) | 2-3/8" |
| Tubing Set Depth (ft) | 7417 |
| Collar Above JSand CIBP (ft) | 7392 |
| Collar Below JSand CIBP (ft) | 7436 |
| J Sand CIBP (ft) | 7431 |
| Collar Above Nio CIBP (ft) | 6996 |
| Collar Below Nio CIBP (ft) | 7038 |
| Niobrara CIBP / BOC (ft) | 7020 |
| Niobrara TOC (ft) | 6620 |
| Niobrara Cement Vol (sx) | 25 |
| SUSX/SH Bot Sq Holes (ft) | 4525 |
| SUSX/SH Top Sq Holes (ft) | 4120 |
| SUSX/SH Cmt Above CICR (bbls) | 3 |
| SUSX/SH TOC in Casing (ft) | 3960 |
| SUSX/SH OH Excess Factor (%) | 60 |
| SUSX/SH Cement Vol (sx) | 155 |
| Bradenhead Issues? (Y/N) | N |
| Stub Plug BOC (ft) | 1315 |
| Cut Casing Depth (ft) | 1215 |
| Stub Plug TOC Form6 (ft) | 562 |
| Stub Plug TOC Calc (ft) | 410 |
| Stub Plug Cement Vol (sx) | 330 |
| Stub OH Excess Factor (%) | 100 |
| GEOLOGY INPUTS | |
| FHM (ft) | 1115 |
| Sussex Top (ft) | 4321 |
| Sussex Base (ft) | 4585 |
| Shannon Base (ft) | Absent |
| Niobrara Top (ft) | 7076 |
| QUESTIONS? | |
| Who Drilled Well? | Elk Exploration Inc |
| Straight or Deviated Hole? | Straight |
| Age of well (yr) | 27 |
| Any squeeze holes? (Y/N) | N |
| Details of Integrity Issues? | NONE |
| SX Productive? (Y/N) | N |
| SH Productive? (Y/N) | N |
| Gyro Found (Y/N) | Y |
| CBL Found (Y/N) | Y |
| Packer Downhole? (Y/N) | Y |
| Packer Depth (ft) | 6748 |

| Tubular | ID | Wt. |
|------------|-------|------|
| Surf. Csg. | 8.625 | 24 |
| Prod. Csg. | 4.5 | 11.6 |
| Prod. Hole | 7.88 | |

| Recommended Volume |
|--------------------|
| 22.8 |

| Recommended Volume |
|--------------------|
| 148.5 |

| Recommended Volume | |
|--------------------|-----|
| 330 | |
| Flush 1 | 112 |
| Flush 2 | 114 |

*Limited to

COLOR KEY



*No end punctuation

*If No Integrity Issues, Put "NONE".

*Packer depth below is ignored if "N"

› 100 bbl in prog