



5 ½" Production Casing

SLB Cementing

| | |
|---------------------|--------------------|
| Company | OXY USA WTP LP |
| Prepared For | Mr. Andy Oursland |
| Well Name | LABRISA 35-6HZ |
| Well License Number | 0067010261 |
| Surface Location | PD 562 |
| UWI Number | 05-123-52241-00-00 |

| | |
|-----------------------|--|
| Service From District | Cheyenne |
| Proposal Number | V1 |
| Date | 2/22/2024 |
| Primary Contact | Pierre-Alexandre Lessard 1 432 813 6997 |

| | |
|-----------|---|
| Objective | Well Configuration 9 5/8" 36# Previous Casing: 2,146' TD: 17,918' (7,145') 7 7/8" OH to TD OH Excess: 4% |
|-----------|---|

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|---|
| Cement Program Spacer: 80 bbls - 10.5 Scrub Top of 12.0 Lead Cement: 2,000' Top of 13.5 Tail Cement: 9,000' |
|---|

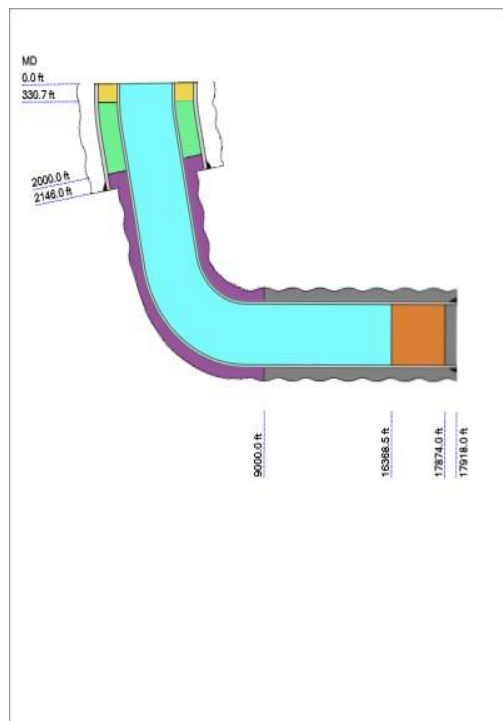
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Well Data

IMPORTANT

The well data shown on this page is based on information available when this treatment program was prepared. This data must be confirmed on location with the customer representative prior to the treatment. Any changes in the well design need to be reviewed for their impact on the treatment design.



Well Data

| | |
|--|-------------------|
| Job Type: | Longstring Casing |
| Total Depth (Measured): | 17,918.0 ft |
| TVD: | 7,145.0 ft |
| BHST (Tubular Bottom Static Temperature): | 230.0 degF |
| BHCT (Tubular Bottom Circulating Temperature): | 230.0 degF |
| Drilling Fluid: | 9.50 lb/gal |

Open Hole

| Excess Type | OH Diameter | MD | Excess Percent | Equiv. OH Diameter | Annular Capacity |
|-------------|-------------|-------------|----------------|--------------------|------------------|
| Annular | 7.875 in | 17,918.0 ft | 4.0 % | 7.955 in | 0.032 bbl/ft |

Previous Casing

| OD, in | Weight, lbm/ft | Grade | Inner Capacity, bbl/ft | Bottom Depth, ft | Casing Capacity, bbl/ft |
|--------|----------------|-------|------------------------|------------------|-------------------------|
| 9 5/8 | 36.0 | J-55 | 0.077 | 2,146.0 | 0.07731 |

Casing

| OD, in | Weight, lbm/ft | Grade | Inner Capacity, bbl/ft | Bottom Depth, ft | Casing Capacity, bbl/ft |
|--------|----------------|-------|------------------------|------------------|-------------------------|
| 5 1/2 | 17.0 | P-110 | 0.023 | 17,918.0 | 0.02325 |

Annular Capacity (no excess)

| | |
|--|--------------|
| 9 5/8 in Previous CSG :: 5 1/2 in CSG: | 0.048 bbl/ft |
|--|--------------|

Fluid Placement

| Fluid Name | Volume, bbl | Top of Fluid, ft | Annular Length, ft | Length, ft | Density, lb/gal |
|------------------------|-------------|------------------|--------------------|------------|-----------------|
| NeoFlo (Pumped by Rig) | 20.0 | 0.0 | 330.7 | 330.7 | 6.52 |
| CemPRIME Scrub | 80.0 | 330.7 | 1,669.3 | 1,669.3 | 10.50 |
| CemFIT Heal WELLBOND* | 227.0 | 2,000.0 | 7,000.0 | 7,000.0 | 12.00 |
| Tail Slurry | 287.2 | 9,000.0 | 8,918.0 | 8,962.0 | 13.50 |
| Sugar Water + Biocide | 35.0 | 16,368.5 | 0.0 | 1,505.5 | 8.32 |
| Biocide Water | 380.5 | 0.0 | 0.0 | 16,368.5 | 8.32 |

Total Liquid Volume: 1,029.7 bbl



Fluid Systems

| NeoFlo (Pumped by Rig) | | |
|------------------------|------|--------|
| System | Wash | |
| Density | 6.52 | lb/gal |
| Total Volume | 20.0 | bbl |

| CemPRIME Scrub | | |
|----------------|--------------|--------|
| System | Conventional | |
| Density | 10.50 | lb/gal |
| Total Volume | 80.0 | bbl |

| CemFIT Heal WELLBOND* (701 sacks, 100.0 lbm per sack of Blend) | | |
|--|--------------|---------------------|
| System | Conventional | |
| Density | 12.00 | lb/gal |
| Yield | 1.82 | ft ³ /sk |
| Mix Water | 5.96 | gal/sk |
| Mix Fluid | 7.31 | gal/sk |
| Total Volume | 227.0 | bbl |

| Tail Slurry (985 sacks, 81.0 lbm per sack of Blend) | | |
|---|--------------|---------------------|
| System | Conventional | |
| Density | 13.50 | lb/gal |
| Yield | 1.64 | ft ³ /sk |
| Mix Water | 7.82 | gal/sk |
| Mix Fluid | 7.85 | gal/sk |
| Total Volume | 287.2 | bbl |

| Sugar Water + Biocide | | |
|-----------------------|------|--------|
| System | Wash | |
| Density | 8.32 | lb/gal |
| Total Volume | 35.0 | bbl |

| Biocide Water | | |
|---------------|-------|--------|
| System | Wash | |
| Density | 8.32 | lb/gal |
| Total Volume | 380.5 | bbl |

Some of the chemicals specified in this program may have toxic properties. All personnel should be familiar with the inherent dangers and appropriate safeguards to prevent accidental injury. Use of these chemicals may be governed by certain laws and regulations and should only be used in accordance with such. Please refer to the MSDS for the recommended safety precautions and required minimum personal protective equipment.