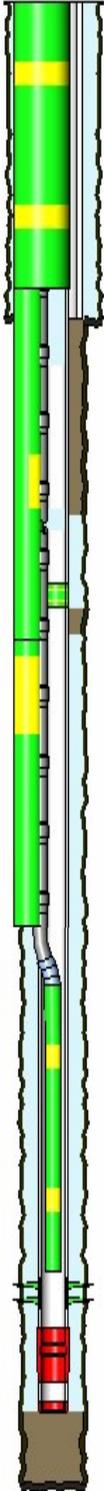


KERR-MCGEE OIL AND GAS ONSHORE LP
HEIT 10-13A
NW SE 13 2N 67W 2,444' FSL 2,120' FEL
WELD, COLORADO
03/10/2014

AREA: W1 ROUTE: W15 Spud: 11/14/2002 WINS No.: 74400 AFE/WO#: 2090547 API#: 0512321135

GL: 4854 KB: 4866 MTD: 8000 TVD: 7974 LOG MD: 8001 PBMD: 7964 PBTVD: 7938

Directions: WCR 20 & WCR 25, W 1/2, N INTO



| <u>HOLE SECTIONS</u> | <u>Size</u> | <u>Top</u> | <u>Btm</u> | <u>TD Date</u> | | | | |
|--------------------------|----------------------|---------------|--------------------|----------------|---------------|-----------------|--------------|-----------------|
| SURFACE | 12.25 | 12 | 652 | 11/14/2002 | | | | |
| PRODUCTION | 7.88 | 652 | 8000 | 11/23/2002 | | | | |
| <u>TUBULARS</u> | <u>Tool Type</u> | <u>Joints</u> | <u>Size</u> | <u>Weight</u> | <u>Grade</u> | <u>Thread</u> | <u>Top D</u> | <u>Bottom D</u> |
| SURFACE CASING | | | | | | | | |
| | Casing | 14 | 8.63 | 24.00 | J-55 | STC | 12 | 639 |
| PRODUCTION CASING | | | | | | | | |
| | Casing | 117 | 4.50 | 11.60 | I-80 | LTC | 12 | 4930 |
| | Cement Stage Too | 1 | 4.50 | | | | 4930 | 4933 |
| | Casing | 72 | 4.50 | 11.60 | I-80 | LTC | 4933 | 7964 |
| | Casing Float Collar | 1 | | | | | 7964 | 7965 |
| | Casing | 1 | 4.50 | 11.60 | I-80 | LTC | 7965 | 7992 |
| | Casing Guide Shoe | 1 | 4.50 | | | | 7992 | 7993 |
| PRODUCTION TUBING | | | | | | | | |
| | Tubing | 248 | 2.38 | 4.70 | J-55 | 8RD EUE | 12 | 7822 |
| | Seating Nipple | 1 | | | | | 7822 | 7823 |
| | Notched Collar | 1 | | | | | 7823 | 7824 |
| BRIDGE PLUG | | | | | | | | |
| | Cast Iron Bridge Plu | 1 | 4.50 | | | | 12 | 7120 |
| BRIDGE PLUG | | | | | | | | |
| | CIBP With CMT Cap | 1 | 4.50 | | | | 12 | 7780 |
| BRIDGE PLUG | | | | | | | | |
| | Cast Iron Bridge Plu | 1 | 8.63 | | | | 12 | 110 |
| <u>CEMENT JOBS</u> | <u>Stage</u> | <u>Sacks</u> | <u>Cement Jobs</u> | | | <u>Top D</u> | <u>Btm D</u> | <u>cbf</u> |
| SURFACE CASING | | | | | | | | |
| | STAGE 1 | 490 | | NEAT | | 12 | 639 | No |
| PRODUCTION CASING | | | | | | | | |
| | STAGE 2 | 195 | LEAD-2 | 50/50 POZ-MIX | | 3946 | 4830 | Yes |
| | STAGE 2 TAIL | 50 | TAIL-2 | NEAT | | 4830 | 4950 | Yes |
| | STAGE 1 | 260 | LEAD-1 | 50/50 POZ-MIX | | 6760 | 7993 | Yes |
| PRODUCTION TUBING | | | | | | | | |
| | ABANDONMENT PLUC | 30 | LEAD | FRESH WATER | | 6598 | 7120 | No |
| PRODUCTION TUBING | | | | | | | | |
| | ABANDONMENT PLUC | 70 | LEAD | FRESH WATER | | 4108 | 5030 | No |
| PRODUCTION CASING | | | | | | | | |
| | ABANDONMENT PLUC | 30 | LEAD | FRESH WATER | | 3814 | 4210 | No |
| | ABANDONMENT PLUC | 310 | LEAD | FRESH WATER | | 146 | 1400 | No |
| <u>PERFORATIONS</u> | | | | | | | | |
| <u>Formation</u> | <u>Zone</u> | <u>Top</u> | <u>Btm</u> | <u>Date</u> | <u>Reason</u> | <u>Comments</u> | | |
| J SAND | | 7861 | 7892 | 02/13/2003 | PRODUCTION | 3 SPF | | |

Comments: