

Recomplete in Delaware Zone
1990

HOC Oper. State 4 #1, Grama Ridge-Bone Springs Fld, Lea Co., New Mexico, TD 14,317', Bone Springs, PBDT ~~5952~~ 5865', AFE 3574 (\$108,500), Pool Well Service Rig #238, Recomplete in Delaware

4-5-90: 9# Brine. POOH with RTTS & tbg. Set CIBP @ 5870' & dumped 5 sx cmt on top (PBDT 5865'). Perf with 4" csg gun @ 5805', 5807', 5809', 5811', 5813' with 1 hole @ each depth. WIH with tbg & RTTS & set pkr @ 5765', SN @ 5758'. Swbd to SN. Rec 34 BW. Analysis of wtr in last run:

| | |
|------------------|---------------|
| Rw | 0.0833 @ 70°F |
| Specific Gravity | 1.01 |
| pH | 7.0 |
| Calcium | 2,000 |
| Magnesium | 360 |
| Chlorides | 52,500 |
| Sulphates | Heavy |
| Bicarbonates | 24 |
| Iron | Light |

SD 10 hrs. This A.M. in 2 runs to SN, rec no fluid. Prep to acidize with 2,500 gals 7.5% NE-FE acid. DWC 7,599, CWC 49,971. (Co. man on loc. - J. B. Lauderdale).

4-6-90: 9# Brine. Spotted 1 bbl acid with EOT @ 5824'. Set RTTS & broke down perms @ 2000 psi @ 0.8 BPM. PU RTTS & set @ 5765'. Acidized with 2,500 gals 7.5% NE-FE acid & 14 balls. Avg Rate 2.8 BPM @ 2380#. Balled out @ 2500#. Surged balls off & finished flush @ 3.2 BPM @ 2250#. ISIP 1820#, 5 mins SIP 1730#, 15

4-7-90: Well open to tank 24 hrs. DWC 0, CWC 56,228. (Co. man on loc. - J.B. Lauderdale).

4-8-90: Well open to tank 48 hrs. DWC 0, CWC 56,228. (Co. man on loc. - J.B. Lauderdale).

4-9-90: RU swab. FL @ 3500'. Rec 6 bbls spent acid - no shows. DWC 500, CWC 56,728. (Co. man on loc. - J. B. Lauderdale).

4-10-90: WIH with swab. FL @ 3500'. Made 5 runs to 5758'. Rec 8-1/2 BAW. Total rec 45 bbls. Lack 43 bbls load to rec. Swbd to SN - no fluid entry. This A.M. POOH with RTTS pkr. DWC 2,050, CWC 58,778. (Co. man on loc. - J. B. Lauderdale). mins SIP 1560#. Swbd to SN & rec total 36 BLW. Total load to rec 88 bbls. Last 4 runs over 10-hr period rec 2.5 bbls spent acid wtr. DWC 6,257, CWC 56,228. (Co. man on loc. - J. B. Lauderdale).

4-11-90: POOH & LD RTTS pkr. WIH with HOC workstring open ended. Prep to P&A. Rel Rig @ 1:30 p.m. 4-10-90. Wtg on partner's approval. DWC 800 CWC 59,578. (Co. man on loc. - J. B. Lauderdale).

4-12-90: Well SI wtg on partner's decision. DWC 0, CWC 59,578. (Co. man on loc. - J. B. Lauderdale).

4-16-90: SI wtg on partner's decision. DWC 0, CWC 59,578. (Co. man on loc. - J. B. Lauderdale).

4-17-90: SI wtg on partner's approval. DWC 0, CWC 59,578.

4-24-90: Well S.I. pending partner's approval to P&A. DWC 0, CWC 59,578.

5-1-90: S.I. pending P&A.

5-8-90: S.I. pending P&A.