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| 3-5/8 | | 2# | 8rd, 1 | | | 41971 | | · · · · · · · · · · · · · · · · · · · | | | Salt String |
| <u>~1/2</u> | 17# & | | Srd. 1 | uhd . | Young | - 58891 | Balcer | | 98821 | 98881 | 011 String |
| | 15.5# | | | | town Jerman | | | | | | - |
| 2-3/8 | 4.7# | | 8rd. i | | AWA HARI | 98921 | Hung @ | | 98791 | 98851 | Tubing Strin |
| L | | | | | | , w / &.` | | | <i>pull</i> . | ,00J. | |
| | | | | | MUDD | ING AND C | EMENTIN | G RECORD | | | |
| ZE OF | SIZE OF | | | | NO. SACE | <u></u> | | | | | |
| HOLE CASING WHERE SET | | 0 | OF CEMENT | | OD USED | MUD GRAVITY AMOU | | MOUNT OF | MUD USED | | |
| 7" 13-3/8 332 | | | 325 | Pump & | plug | Cemented to surface | | | | | |

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<u>11"</u>

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| Heaving p | plug-Material | None | I | Length | | Depth S | ət | |
| Adapters | Material | | | Size | | | | |
| | | RECORD | ог зноо | TING OR | CHEMICAL 1 | TREATMENT | | |
| SIZE | SHELL USED | EXPLOSIVI CHEMICAL | E OR USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLE | CANED OUT |
| None | | | | | | | | |
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| f drill-ste | em or other speci | | | rveys were : | made, submit | L TESTS report on separate | | |
| | | ial tests or de | eviation su | rveys were : TOOLS U | made, submit SED | report on separate | e sheet and at | tach hereto |
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Pump & Plug

Pump & Plug

Cemented to Surface

Cemented to Approx. 4000!

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

| Subscribed and sworn to before me this | Hobbs, New Mexico 11/26/51 |
|---|---|
| | Place \mathcal{T} |
| day of November , 19 51 | Name J. D. Savage A |
| | Position Division Exploitation Engineer |
| Notary Public | Representing Shell Oil Company |
| My Commission expires 19 Commission Expires Sept. 16, 195 × | Company or Operator. Address Box 1957, Hobbs, New Mexico |

FORMATION RECORD

| FROM | то | THICKNESS IN FEET | FORMATION |
|---|--|--|---|
| 0 290 335 1561 2067 4530 | 290 335 1561 2067 4530 9905 | 290 45 1226 506 2463 5375 | Caliche, Surface Sands Red Beds Red Beds & Lime Anhydrite & Salt Anhydrite Lime |
| DST #1 | 9779 - 9815 (Penn.Lime) | | Tool open 2 hrs. & 9 mins. thru 4/8" BC & 1" TC on 3-1/2" DS. Immediate strong air blow. Gas to sur- face in 3 min., mud in 5 min., oil in 6 min. Clean- ed to pits 5 mins. then turned to test tank. Flowed at uniform rate of 78 BO/hr. with GOR of approx. 1690. Oil grav. 43 @ 70°. HMH 5000 psi. FBMP 3625 psi. 30 min. SIBHP 4750 psi. Positive Test. |
| dst #2 | 9817 - 9840 (Penn.Lime) | | Tool open 92 mins. thru 5/8" BC & 1" TC on 3-1/2" DS. Immediate strong air blow. Gas to surface in 3 mins. Oil in 7 mins. Cleaned to pits 8 mins. & turned to tank. Flowed 106 BO in 1 hr. Gr. 42° @ 40° F. GOR 1557. Positive Test. |
| DST #3 | 9842 - 9865 (Penn.Lime) | | Tool open 2 hrs. 5 mins. thru 5/8" BC & 1" TC on 3-1/2" DS. Immediate moderate air blow. Gas to sur face in 8 min. Weak gas blow throughout test. Rec. 2430' (17.0 bbls.). clean oil. Gr. 42 API, 100' (0.7 bbls.) OMGCH, 300' (2.1 bbls.) salt water. HMH 4605 psi, FBHP 140 - 480 psi, 30 min. SIBHP 1435 psi. <u>Positive Test</u> . |
| DST #4 | 9872 - 9905 (Penn.Lime) | | Tool open 1 hr. thru 5/3" BC & 1" TC on 3-1/2" DS. Immediate moderate air blow, gas to surface in 25 mins., gradually diminishing in volume. Rec. 93' (0.63 bbls.) clean oil, 280' (1.96 bbls.) salt water. Circulating sub failed while pulling wet string. Apparently lost approx. 5575' (39.9 bbls.) fluid. JBHP 630 - 2240 psi, 30 min. SIBHP 3050 psi. Positive Test. |
| DST #5 | 9879 - 9893 (Penn.Lime) | | Tool open 2 hrs. 23 mins., thru 5/8" BC & 1" TC on 3-1/2" DS. Immeddiate strong air blow. Gas to sur- face in 3 mins., mud in 8 mins. oil in 9 min. Flowed 141.8 bbls. clean oil in 2 hrs. Gr. 42.2° API. GOR 1266. Rec. 270° (1.9 bbls.) heavily O&GCM below cir. sub. HMH 4750 pei. FBHP 2550 psi - 2800 psi. 30 min. SIBHP 3200 spi. Positive Test. |
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