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1979

EDMAN R. ZINK & ASSOCIATES, INC.
IN SAN ANTONIO, TEXAS

ZINK STATE #1 Northeast North Gladiola
Lea County, New Mexico

Page 2
HILLIARD OIL & GAS, INC.

- 7/4/79 SITP 0, FL 6500'. Swbd to seating nipple, no fluid entry. Rec 5 bbls, no shows. SION.
- 7/5/79 SI for holiday. SITP this AM 0#.
- 7/6/79 SITP 0, FL 9300'. Swbd to seating nipple. RU HALCO, trtd w/2500 gal Morrow flow BC acid w/1000 SCF N2/bbl & 10 ball sealers. Max press 7300#, Avg press 6680#, inj rate 4.8 B/M. ISIP 5000#, 5 min 4600#, 10 min 4500#. Opened to pit, blew dwn to 250# in 1 min. Blew 1 hr & died, rec 50 bbls loads. WIH w/swb, FL 5200', Swb to seating nipple. SION. This AM SITP 200#.
- 7/7/79 Swbd to SN, no entry of fluid or gas. POH w/tbg & pkr. SION.
- 7/8/79 Set CIBP @ 11,600', dumped 20' cem on top of plug. Perfd Strawn w/1 SPF @ 10,698', 700', 702', 704', & 706'. Ran tbg & pkr, spotted 500 gal 15% MA. Formation brk @ 1800#, pumped 1 1/2 B/M @ 1850#, ISIP vac. FL 1000', swbd 65 bbls, FL still @ 1000', shut dwn to change swb cups, FL 600'. No trace of oil or gas, chlorides 115,000. SION.
- 7/9/79 S.D.
- 7/10/79 SITP 200# - Opened up, blew dwn immed. WIH w/swb, FL 300'. Swbd 65 bbls formation wtr, FL 1100', no show of oil or gas. Rel pkr. POH. SION.
- 7/11/79 RU Welox, set CIBP @ 10,600', Dumped 20' cem on plug. Perfd Canyon zone @ 10,349', 351', 353', & 356' w/1 SPF. WIH w/tbg & pkr, spotted 500 gal MA trtd @ max press 5500#, min 5000# @ 1.5 B/M. Final press 800#, on vac immed. WIH w/swb, FL 2100'. Swbd 60 bbls, FL 2500'. SION.
- 7/12/79 SITP 50# F.L. 2100' Swabbed 80 bbls form. water, F.L. 2500' SION
- 7/13/79 SITP 50#, FL 2100', swbg FL 2500', no shows of oil or gas. Unseated pkr, started laying dwn tbg. SION.
- 12:00 NOON JULY 13, 1979 EDMAN R. ZINK & ASSOCIATES
TOOK OVER OPERATION FOR FURTHER TESTING AND EVALUATION
- 7/14/79 Activities on 7/14/79, reported of 8 PM. This date workover operation continued under supervision of Mr. Dean E. Wolf, Petroleum Engineer, Midland, Texas with DA & S of Hobbs, New Mexico, continuing as workover contractor. Changed out tubing from 2-3/8" to 2 7/8" round upset N-80 tubing. Went in hole with eight 3 1/2" drillcollars and 5000' of tubing and stopped and tested for circulation stability, found to be losing fluid of approximately one bbl/min at average pump pressure of 600# PSI, pulled out of hole. (Problem arising out of water entry from open perforations 10,349', 10,351', and 10,353' being too great to overcome with hydraulic capacity of tubing.) Came out of hole, prep to squeeze. Will shutdown over Sunday and resume operations on Monday.
- 7/15/79 Sunday, shutdown.
- 7/16/79 Activities on 7/16/79, reported at 7:45 PM. Went in hole with cement retainer and stuck retainer at the 400' depth. Pulled retainer apart. Went back in hole and pushed bottom of retainer to 10,561' below the KB, scraped casing free of rust and scale. Preparing to run retainer