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L CONSERVATION DIVISION  
P O BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-73

OCT 19 1979

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>L-711                                                                |
| 7. Unit Agreement Name                                                                               |
| 8. Term or Lease Name<br>Amoco 22 State                                                              |
| 9. Well No.<br>2                                                                                     |
| 10. Field and Pool, or Wildcat<br>Und. S. Carlsbad Mor                                               |
| 12. County<br>Eddy                                                                                   |

SUNDRY NOTICES AND REPORTS ON WELLS **C. C. ARTESIA OFFICE**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG A WELL OR TO REPAIR OR MAINTAIN A WELL OR TO USE AN APPLICATION FOR PERMIT TO DRILL OR TO REPAIR OR MAINTAIN A WELL OR TO USE AN APPLICATION FOR PERMIT TO DRILL OR TO REPAIR OR MAINTAIN A WELL.

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator  
Harvey E. Yates Company ✓

Address of Operator  
P. O. Box 1933, Roswell, N. M. 88201

Location of well  
UNIT LETTER G 1980 FEET FROM THE North LINE AT 1980 FEET FROM  
THE East LINE, SECTION 22 TOWNSHIP 23S RANGE 27E N.M.P.M.

11. Elevation (Show whether DF, RT, GR, etc.)  
3147.8' GL

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

|                                              |                                           |                                                                                     |                                               |
|----------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------|
| FORM: REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                                              | ALTERING CASING <input type="checkbox"/>      |
| PORABLY ABANDON <input type="checkbox"/>     | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OF IS. <input type="checkbox"/>                                   | PLUG AND ABANDONMENT <input type="checkbox"/> |
| OR ALTER CASING <input type="checkbox"/>     |                                           | CASING TEST AND CEMENT JOB <input type="checkbox"/>                                 |                                               |
| OTHER <input type="checkbox"/>               |                                           | OTHER <u>Squeeze perfs, perf, acidize, etc.</u> <input checked="" type="checkbox"/> |                                               |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

9-5 - 9-9-79 Swabbing formation water SpGr - 1.040; PH 6.5; Cl 39050; HCO<sub>3</sub> - 37; Ca 400; Mg 243. Total hardness 2.0.

9-10-79 POH w/tubing, pkr & Vann Tool guns. Ran E-Z drill retainer and set on wireline at 12250' KB.

9-11-79 TIH & stung into retainer. Mix 100 Sx Cl H cement w/0.6% Halad 9. Mx Sqz press 5000 psi. Pulled out of retainer and reversed out 30 Sx excess cement. WOC.

9-12-79 Perf 5 1/2" casing w/4 SPF 12,178' - 12,181' & 12,208' - 12,212' KB. Total 28 shots. Ran Baker RBP and Retrievomatic pkr in hole. Set RBP at 12,225' KB. Pkr. at 12,199' KB.

9-13-79 Acidized 12,208' - 12,212' w/500 gals 7 1/2% MSR 100. Form broke at 5100 to 3600 psi. Treated at 2 B/M at 4200 psi; ISIP 4100; 5" SIP 3600 psi. Reset RBP at 12,195' and pkr at 12,138'. Acidized perfs 12,178' - 12,181' w/500 gals 7 1/2% MSR 100. Form broke 5100 to 4400 psi. Treated at 2 BPM at 4250 psi. ISIP 4000. 5" SIP 3725 psi. POH w/pkr and RBP. Ran PAVA Lok-Set pkr, ON-OFF tool on 2 7/8" tubing.

9-14-79 ND BOP, NU tree, set pkr at 12,107' KB. Opened PAVA. GTS in 55 sec. Ran swab tubing dry.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

by Pek Harder TITLE Engineer DATE 10-10-79

OVER BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE OCT 22 1979

DITIONS OF APPROVAL, IF ANY:

9-15 - 9-17-79 Swab and flow test.

9-18-79 Acidized perfs 12,178' - 12,212' KB w/2000 gals 7 1/2% MSR 100 w/1000 SCF N<sub>2</sub>/bbl & 9 stages of 4 ball sealers per 5 bbl acid. MX F 7000; Avg 6800 at 6.4 BPM. ISIP 6000; 15" SIP 5600 psi. Flowed and swabbed load and acid water.

9-19 - 9-20-79 Flow and swab test.

9-21-79 Loaded tbg w/3% KCL water. POH w/tbg & pkr.

9-22-79 Ran CIBP and set on wireline at 12,150' KB. Spotted 15' cement on top of CIBP. Perf 5 1/2" casing w/4 SPF 11,894' - 11,898' and 11,960' - 11,968' KB. TIH w/RBP & pkr. Set RBP at 11,990' KB SD.

9-23-79 Set pkr at 11,947'. Acidized perfs 11,960' - 11,968' w/1000 gals 7 1/2% MSR-100. Form broke at 3400 to 2500 psi. Treated at 3 BPM at 3300 psi. ISIP 2500. 5" SIP 100. Set RBP at 11,937' & pkr at 11,880' KB. Acidized perfs 11,894' - 11,898' KB. Form broke at 3550 to 3475 psi. Treated at 2 BPM at 4200 psi. ISIP 3900. 5" SIP 3500 psi. POH w/pkr & RBP. Reran PAVA, Lok-Set pkr, ON-OFF tool on 2 7/8" OD N-80 tubing. Good blow of air. GTS Set pkr at 11,861' KB & opened PAVA. RU swab. FL 1700'. Swabbed 87 BL&AW/4 1/2 hrs. FL 3800'. Swabbing.

9-26-79 Ran R/A tracer survey from 11,850' to 12,100'. Survey indicated no loss in perfs 11,894' to 11,898'. Major fluid entry into perfs 11,960' to 11,968' w/minor amt fluid channeling down behind csq to logged depth 12,100'.

9-28-79 Released pkr & POH.

9-29-79 Ran CIBP, set on wireline at 11,950' KB w/15' cement on top. Ran PAVA & pkr and set at 11,860'. Weak blow GTS in 30 min. Ran swab. No fluid in hole. Lost swab cups.

9-30-79 SD.

10-1-79 POH to recover swab cups. Reran tbg & pkr.

10-2-79 Set pkr at 11,860' KB. Swab tested.

10-3-79 Swabbing.

10-4-79 POH w/tbg & pkr.

10-5-79 RU reverse unit. Drilled out cement & CIBP at 11,950' KB. POH.

10-6-79 Ran E-Z Drill SV retainer, set on wireline at 11,875' KB. TIH w/tbg & stinger. Stung into retainer & sqz perfs 11,894' - 11,898' & 11,960' - 11,968' w/150 SX CI H cement w/5/10% CFR-2 & 6/10% Halad 9. MX Press 3400 psi. POH.

10-7-79 WOC.

10-8-79 TIH w/4-5/8" bit, csq scraper, 4-3 1/2" DCS & 2 7/8" tbg. Drilled out retainer at 11,875' & cement from 11,875' to 11,968'. Circulated hole clean. Pressure tested squeeze to 2000 psi for 30 min. Held OK.

10-9-79 POH w/drilling string. Perf 5 1/2" csq 11,978' - 11,986' w/4 SPF (32 holes). Ran E-Z Drill retainer and set at 11,973' KB. Ran stinger & 2 7/8" tbg to 11,850' KB. SD.

10-10-79 Stung into E-Z Drill retainer & squeezed perfs 11,978' - 11,986' w/50 SX CI H cement w/6/10% Halad 9. MX Press 5000 psi. Pulled out of retainer & POH w/tbg & stinger. WOC.