

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION
RECEIVED P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

SEP 7 1982

O. C. D.

5a. Indicate Type of Lease
State ☐ Fee ☒
5. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER- 2. Name of Operator Harvey E. Yates Company ✓ 3. Address of Operator P. O. Box 1933, Roswell, New Mexico 88201 4. Location of Well UNIT LETTER <u>N</u> <u>1980</u> FEET FROM THE <u>West</u> LINE AND <u>660</u> FEET FROM THE <u>South</u> LINE, SECTION <u>4</u> TOWNSHIP <u>18S</u> RANGE <u>29E</u> NMPM.	7. Unit Agreement Name 8. Farm or Lease Name Loco Hills Welch 9. Well No. 2 10. Field and Pool, or Wildcat So. Empire Morrow 12. County Eddy
15. Elevation (Show whether DF, RT, GR, etc.) 3521.2 GR	

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

PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. 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.

Est date of starting operation - 9/7/82

See attached recommended procedures.

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

SIGNED <u>Perk T. Hardie</u>	TITLE <u>Engineer</u>	DATE <u>9-2-82</u>
APPROVED BY <u>Leslie A. Clement</u>	TITLE <u>SUPERVISOR, DISTRICT 8</u>	DATE <u>SEP 12 1982</u>

RE: Recompletion, Plug Back Old Morrow Perforations

WELL: Loco Hills Welch #2
Sec. 4, T-18S, R-29E, Eddy County, New Mexico

DATA: Tubing: 2-7/8", N80 (10800), 5-1/2" Baker Loc-Set w/Subs & PAVA
Casing: 5-1/2" 17# J55 & N80 to 11420'

PBTD: + 11,370'

PERFORATIONS: Morrow - 10,896' to 10,910' (12/15/80) w/Geo Vann Systems
4/shot/ft, AOF approx. 13 MMCF/D. 5/14/80 - Dropped guns to T.D.
8/11/81 - Re-acidized w/1000 gal 7-1/2% MSR & N2.

RECOMMENDED PROCEDURES:

1. MI & RU completion unit & BOP (6" x/1500 series) & tubing racks & 2-3/8" tubing.
2. Load tubing w/2% KCL.
3. RD tree & RU BOP; unseat pkr & POH. (Lay down 2-7/8" tubing). Change out 2-7/8" tree for 2-3/8" tree & wrap-a-round.
4. RU Wireline Company & GIH w/Howco Cement Retainer & set @ 10,892'. RD Wireline Company.
5. Test in hole w/2-3/8" N80 tubing & Howco Stinger.
6. Squeeze perfs w/150 sx Howco "H" w/.6% Halad 9.
7. PO of retainer & clean & reverse out as close to retainer as possible. POH.
8. GIH w/Vann Systems, Baker Loc-Set, 1.81 Profile in on/off tool, 2-3/8" tubing to perforate:

10785'-10792'	2/ft	7'	14 holes
10850'-10853'	2/ft	3'	6 holes
10864'-10866'	2/ft	2'	4 holes
10876'-10879'	2/ft	3'	6 holes
		<u>15'</u>	<u>30 holes</u>

(Note: No need for releasing equipment in Vann System)

9. RU tree & drop bar to test new perfs.
10. If rate is adequate, release all rental equipment & hook well to sales line. If rate is low, continue.
11. Kill well w/2% KCL, RD tree & RU BOP. Unseat pkr & POH, RD guns & subs not needed.
12. GIH w/Baker Loc-Set Pkr, 1.81 Profile, On/off tool, & 2-3/8" tubing.
13. Set pkr @ + 10680' & RU tree. Swab back load.
14. Acidize w/3000 gal 7-1/2% MSR 100 + 500 SCF/N2/bbl w/60-1.1 Sp. Gr. ball sealers. Flush w/2% KCL w/F.R. & surfactant.
15. Flow back & test.

(Note: Pkr fluid can be put in @ the end of #7, or #12, or could set plug in profile & get off on/off tool to put in at any stage.)

N. M. YOUNG
7/12/82