

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

Use this form for proposals to drill or to deepen or plug back to a different horizon the well listed in the space below.

1. On ☐ gas ☐ other
well ☒ well ☐ other

2. NAME OF OPERATOR
Harvey E. Yates Company

3. ADDRESS OF OPERATOR
P. O. Box 1933 Roswell, NM 88201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17
for well)

AT SURFACE 1980' PNL & 1980' FEL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH: same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE.
REPORT OF OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

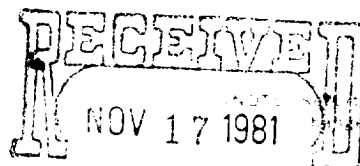
MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

SUBSEQUENT REPORT OF



OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 9-21-81 SITP 0 psi. RU Bell Survey & Jims to run temp & pmp in tracer surveys. Surveys indicate going into perf's & channeling up to approx 8450'. RD Jims (used 42 bbls 2% KCL wtr), 1/4 BPM @ 4000 psi. RD Bell Survey, RD Tree, RU BOP, unseat pkr & POH. SDFN.
- 9-22-81 POH w/tbg & Model R Double Grip pkr. SIH w/retainer @ 8325'. SDFN.
- 9-23-81 RU Howco & brk circ w/2% KCL. PU & set Howco retainer @ 8290'. Tst tbg to 5000 psi. Est inj rate 1-1/2 BPM @ 4600 psi. Sqz perf's fr 8518' to 8525' w/100 sx Class "H" plus .5% Halad 22-A & 40 CFR-2. After 50 sx into form, annulus press incr to 3000 psi. Rev out 50 sx to pit. Dropped standing valve & tstd tbg to 3000 psi, held OK. RD Howco & POH w/tbg. RU David Rev Unit & GIH w/3-7/8" tbg, scraper, 4 DC's & 2-3/8" tbg. SDFN.
- 9-25-81 GIH w/bit, scraper, 4 DC's & 2-3/8" tbg. RU Davis Tool to drl out retainer & cmt. Tag retainer @ 8290'. After drlg retainer found no cmt. Ran tbg

Subsurface Safety Valve: Manu. and Type

Set @

Ft.

(over)

18. I hereby certify that the foregoing is true and correct

SIGNED

Robert A. Chapman
ROBERT A. CHAPMAN

TITLE

Engineer

DATE 11/13/81

ROBERT A. CHAPMAN

(This space for Federal or State file use)

APPROVED BY
U.S. GEOLOGICAL SURVEY

DEC 11 1981

TITLE

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

to 8770' & circ hole clean. POH & prep to resqz. GIH w/Howco retainer & set @ 8270'. Sqz perf's @ 8518' to 8525' w/200
 5x class "H" w/4% CFR-2 & .5% Halid-22. Press sqz 4500 psi. 800 retainer
 & rev out 5 sx to pit. (Used 175 sx into perf's & 20 sx under retainer.)
 RD Howco & POH w/tbg. SDFN.
 GIH w/bit, scraper, 4 DC's & 2-3/8" tbg. Tagged cmt @ 8262', 7' above
 retainer. Strtd drlg out cmt & retainer. Drld to 8283' & rev clean.
 SDFN.
 Cont to drl out sqz cmt. Drld hard cmt to 8530'. Ran tbg to 8550' & circ
 hole w/2% KCL. POH w/drlg equip & tbg. RD Davis Tool. SDFN.
 GIH w/Howco Hydro Hef Tool, Hydraulic Hold-Down, 2-3/8" tbg. RD Geo Vann &
 Correlate Tool @ 8520'. RD Geo Vann. RU Howco to Hydro Jet - 3 holes @
 8520'. Pmp 20 mins, 3 BPM @ 3200# w/40 sx 20/40 sd. Spot 500 gals 20% NE
 acid. Tried to brk dn perf's. Zone would not brf @ 3500 psi. POH & SDFN.
 GIH w/Model R Double Grip Pkr, SN & 2-3/8" tbg. RU Howco & rev hole clean @
 8530'. Spot 2 bpls 20% NE acid across zone. Pull pkr & set @ 8407'. Brk
 dn perf's @ 5500 psi. Open BY-pass & spot 10 bpls to pkr. Close BY-pass.
 Put remaining acid away. Avg press 5400 psi @ 1 BPM. Final press 5600# @
 1.8 BPM. ISIP 5000#, 5" 4600#. TLTR 48 bpls. RU Howco, RD BOB & RU Tree.
 SDFN.
 SIFP 2100 psi. RU to swb. IFL @ surf, FFL 8400'. Rec 35 BLW & acid.
 No show of oil or gas. SDFN.
 SIFP 25 psi, good gas. RU to swb. IFL 6700'. Rec 6 BF, 75% wtr & 25% oil
 w/gas on swb. RD swb, RU Dowell & Jims to acidize w/3000 gals 20% MSK-100,
 Flush w/2% KCL. Max press 5900# @ 5 BPM, avg press 5400# @ 4.8 BPM, final
 press 5600# @ 5 BPM. ISIP 4600#, 5" 4500#. TLTR 103 bpls. RD Dowell & Jims.
 Blew well dn to pit. RU to swb. IFL @ surf, FFL 4000'. Rec 28 BLW. 75
 BLTR. SDFN.
 SIFP 50 psi. RU to swb. IFL 8300'. Made 1 swb run fr SN (8400'). Rec 1/2
 BF w/show of oil & gas. RD swb, RU Dowell, Nowasco & Jims to acidize perf's
 @ 8421' w/6000 gals 28% NE HF & 3000 gals WF-10 plus 2% KCL flush. All fluid
 contained 500 SCF/N2 per bpl (Note: used 200 lbs BAF & 200 lbs rock salt in
 acid) Max press 5400# @ 5.1 BPM, avg press 4850# @ 4.2 BPM, final press
 4300# @ 5.1 BPM. ISIP 4100#, 5" 3800#. TLTR 240 bpls & 120,000 SCF/N2.
 RD Dowell, Nowasco & Jims. Strtd rec load. Flowed well to pit for 1-1/2 hrs.
 RU to swb. IFL 800', FFL 2100'. Rec 85 BF swbg & flowing. SDFN. (Note:
 155 BFTR)
 SIFP 200 psi. RU Bell Survey & Hughes Kill Truck to run temp & pmp-in
 tracers. Survey's indicate fluid entering perf's @ 8520' to 8521', w/minor
 amt channeling up to 8482'. No indication of fluid moving dn past perf's.
 RD Bell & Hughes. SDFN.
 SIFP 50 psi. RD Tree, RU BOP. POH w/Baker pkr, SN & tbg. LF pkr. GIH
 w/SN & 2-3/8" tbg @ 8370'. RD BOP, RU Tree. Shut well in. SDFN.
 Shut down.

10-11-81

10-10-81

10-9-81

10-6-81

10-2-81

10-1-81

9-30-81

9-29-81

9-28-81

9-26-81

9-25-81

1981 4 1