

STRICT I  
P.O. Box 1980, Hobbs, NM 88240  
STRICT II  
P.O. Drawer DD, Artesia, NM 88210  
STRICT III  
10 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.  
30-005-63067  
5. Indicate Type of Lease  
STATE  FEE  X  
6. 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.)

7. Lease Name or Unit Agreement Name  
Northern Lights

Type of Well:  
OIL WELL  GAS WELL  OTHER

8. Well No.  
1

Name of Operator  
Thornton Operating Corporation

9. Pool name or Wildcat  
Und-Group-3

Address of Operator  
P. O. Box 833, Midland, Texas 79702

Well Location  
Unit Letter 0 : 449 Feet From The South Line and 2183 Feet From The East

Section <u>7</u>	Township <u>8S</u>	Range <u>29E</u>	NMPM	Chaves	Co
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4068' GR 4079' RKB					

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:  
PERFORM REMEDIAL WORK   
TEMPORARILY ABANDON   
DRILL OR ALTER CASING   
OTHER:

SUBSEQUENT REPORT OF:  
REMEDIAL WORK  ALTERING CASING  
COMMENCE DRILLING OPNS.  PLUG AND ABANDONMENT  
CASING TEST AND CEMENT JOB   
OTHER:

2. 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.

Re-Acidizing Fusselman  
See Attached.

RECEIVED  
OIL CONSERVATION DIVISION  
DEC 15 1995

I hereby certify that the information above is true and complete to the best of my knowledge and belief.  
SIGNATURE Robert L. Thornton TITLE President DATE 12/15/95  
TYPE OR PRINT NAME Robert L. Thornton TELEPHONE NO.

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

- 11/13/95 FTP 100#, CP 0# - RU Pride Well Serv. - TIH w/2-3/8" paraffin knife, make 2 runs to 3000' w/no paraffin - TIH w/ 2 3/8" swab cup to 2500' w/no paraffin - TIH w2 7/8" swab cup to 2500' w/trace paraffin - RU Jims Water Serv. & load tubing w/40 bbls 2% KCl, did not catch any pressure, shut down w/tubing on vacuum - tie onto casing & pump 10 bbl 2% KCl before catching pressure, hole 250# on casing for 2", held OK - ND wellhead and NU Star Tool BOP (6" - 900#) - unseat production packer & TOH 2/208 jts of 6.5 # 2 7/8" tubing (Strap 6813.55'), 1 ruptured disc sub & 1 6' Watson Arrowset I production packer - PU Halliburton RBP, RTTS & collar locator (overall 25.55')  
PU 5 jts 2 7/8" tubing (164.18') - TIH w/40 stands & SDFN
- 11/14/95 SITP = 0#, SICP = 0#. Finish TIH w/total of 213 jts 2 7/8" tubing (6988.73') - PU 1-4' sub, 1-8' sub & 1-31.83' jt - tag up @ 7023' - Pull up & set RBP @ 6981' - pull RTTS to 6976' & set - RU Hall., load tubing w/18 bbl 2% KCl, catch pressure, test RTTS & RBP to 3000# for 2", held OK- Unseat RTTS, pull RTTS to 6910' & set - Acidize perf 6938 - 6964 (26' w/30 holes) as follows: open by-pass & pump 39 bbl 20% NeFe acid (displace tubing) - close by-pass & pump total of 3000 gl 20% NeFe acid to formation @ av. pressure of 1250# @ .9 BPM, flush to perms w/40 bbls 2% KCl, ISIP 1650#, 5" SIP 1450# (max pressure 1785# @ 1 BPM) - flow back to 15" (100% KCl) Well Died - RU to swab, make 5 swab runs (FL did not drop below 1500' FS), well kicked off flowing on 5th run - Made 8 bbl fluid in 1hr w/60% oil cut (5 oil/3 water) - SDFN w/well flowing on 28/64" choke @ 120# FTP - Estimated load recovered = 35 bbl - estimated remaining load to recover + 110 bbl
- 11/15/95 FTP 0#, SICP 0#, fair blow on tubing - Well made 14 BO + 18 BLW overnight (appears to have flowed for 2-3 hours) - NU Jims on tubing and kill well w/5 bbls 2% KCl - unseat RTTS, TIH & latch on to RBP, unseat RBP, TIH to 7004' & set RBP, pull up & set RTTS @ 6967' - Acidize perforations from 6983'-7000' (17' w/24 holes) as follows: open by-pass pump 37 bbls 20% NeFe acid to displace tubing - shut by-pass - pump 12 bbls @ .6 BPM w/750#, @ 12 bbl pressure dropped approx. 150# in 3", pressure continued to drop thru remainder of treatment to 24# after pumping a total of 4000 gl 20% NeFe acid - flush w/18 bbl 2% KCl - ISIP 0# well on strong vacuum - RU to swab - IFL @ 2000' FS, made 9 runs and recovered 55 bbl CKI & acid water - well kicked off flowing on 9th run, Set well on 42/64" chk w/250# - 275# FTP & flwd 44 BF in 1st hour to tanks @90% oil cut (40 BO/4BLW), made 36 BO + 8 BLW (80% oil cut) in second hour, made 41 BO w/0 BLW in 3rd hour - set well on 1/2 chk w/300# FTP & SDFN - made 117 BO + est 107 BLW - remaining load to recover = 65 BLW  
Switch well to 20/64" @ 10:00PM, FTP 220#, Oil cut 95%
- 11/16/95 FTP 220#, SICP 0#, 20/64" Chk - Well made 138 BO + 17 BW in 15 hrs - RU Jims & kill well w/5 bbl 2% KCl, well kicked off in 10", Kill well w/30 bbl 2% KCl - unseat RTTS, TIH & latch on to RBP, unseat RBP and TOH w/213 jts 2 7/8" tubing (had to pump 40 bbls 2% KCl during trip to kill well), lay down 5 jts tubing, lay down Halliburton RTTS & RBP - kill well w/additional 20 bbl 2% - PU

redressed Watson Arrowset | production packer, TIH w/packer & 208 jts tubing (kill well w/additional 20 bbl), set packer @ 6813', get off packer pump 50 bbl 2% KCl down casing - get back on packer - tie on casing, pump 30 bbl 2% KCl & test packer to 500#, held OK - ND BOP - NU wellhead - RU to swab, IFL @ 2,000' FS, made 2 swab runs (recovered 15 BLW) before well kicked off flowing Well died after 45". Kick off well on first swab run (IFL @ 5800'), made 2 swab runs with well flowing - SDFN w/well flowing on 30/64" chk @ 110# - est. load remaining to be recovered + 290 BLW  
Loaded Treater w/15 bbl 2% KCl  
Est Daily Cost = \$3,400.00 Cum. Cost = \$25,575.00

11/17/95

FTP 130#, SICO 0# - Well Made 130 BO + 69 BW in 14 hrs - RD Pride - release BOP - leave well flowing on 25/64" choke @ 160# - turn well over to pumper - pumper afternoon report: well made 56 BO + 8 BW in 6 hrs - reduce choke to 20/64" - remaining load to recover = est. 210 BLW  
Est Daily Cost = \$1,250.00 Cum. Cost = \$26,825