

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

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

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 ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator
Shell Oil Company
3. Address of Operator
P.O. Box 991 Houston, TX 77001
4. Location of Well
UNIT LETTER C 440 FEET FROM THE North LINE AND 2200 FEET FROM
THE West LINE, SECTION 22 TOWNSHIP 21S RANGE 37E NMPM.

7. Unit Agreement Name
8. Farm or Lease Name
Argo A
9. Well No.
6
10. Field and Pool, or Wildcat
Hare Simpson
12. County
Lea

15. Elevation (Show whether DF, RT, GR, etc.)
3417' DF

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

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
TA Brunson Ellenburger/Open & Frac Treat Hare Simpson ☒
ALTERING CASING ☐
PLUG AND ABANDONMENT ☐

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.

- 8-31-79 Pld rods & pump.
- 10-26-79 Installed BOP. Pld 2 3/8" tbg. Ran GR/CNL/CCL log.
- 10-27-79 Ran ring gauge to 7750'. Ran CIBP & set @ 7750'. Capped CIBP w/1 sack cmt. Ran 2 3/8" tbg to 7715'.
- 10-29-79 Spotted 500 gals 15% NE acid on btm. Perf'd 5 1/2" csg @ 7393'-7699'. Pld 2" tbg.

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

SIGNED A.J. Fore A.J. Fore TITLE Senior Engr. Tech. DATE 2/ 6/80

APPROVED BY Oil & Gas Insp. TITLE Oil & Gas Insp. DATE FEB 12 1980
CONDITIONS OF APPROVAL, IF ANY:

10-30-79: Ran (Baker) RBP & fullbore retrievable cmtr on 2 1/2" frac tbg. Set BP @7720', pkr @7620'. RU (Dowell) acid truck. Acid treated perforations 7674'-7698' w/1300 gals 15% NEA in 13 - 100 gal stages, dropping 1 rubber coated nylon ball sealer between stages. Press'd up to 1000 psi @3 BPM & communicated w/upper perfs. Lowered & set pkr @7710' to test tbg. Press'd up to 4500 psi & split tbg. Pld tbg, pkr & RBP. SDON. Cost: \$12,530. Ran (Baker) fullbore retrievable cmtr on 2 1/2" frac tbg & set @7289'. Tested tbg to 8000 psi. RU (Dowell) acid truck. Acid treated perfs 7393'-7698' w/4100 gals 15% NEA in 41 - 100 gal stages, dropping 2 rubber coated nylon ball-sealers between the first five stages & 1 rubber coated nylon ball-sealer between last 35 stages - total of 45 ball-sealers @ Max/Min press 1800/800 psi. AIR 5 BPM. ISIP 0. SDON. Cost: \$13,130. RU (Cardinal Surveys) wireline truck. Ran temp base log. RU (Dowell) frac equipment. Ppd 150 bbls lease crude dummy each frac stage @5000 psi pressure. Inf rate 15 BPM. ISIP 800 psi, on vacuum in 1 min. Ran temp log & indicated major fluid entry from 7393'-7550' & minor fluid entry from 7660'-7700'. No movement below 7700'. SDON. Waiting on frac pump. Tested lines w/wtr to 8000 psi. Frac treated Hare perf 7393'-7698' w/4400 gals gelled lease crude as follows: A: Ppd 7000 gals gelled lease crude pad followed by B: 15,000 gals gelled lease crude frac containing Mark II Adomite & from 1#-2#/gal 20-40-mesh sand @Max/Min press 5000/4300 psi. AIR 20 BPM. ISIP 800 psi. Ran temp log & indicated major fluid entry from 7350'-7530' & minor fluid entry from 7530'-7580', & from 7664'-7688'. Mixed & ppd 300# benzoic acid & 600# moth balls, followed by 1000 gals 15% NEA, followed by 7000 gals gelled lease crude pad, followed by 15,000 gals gelled lease crude frac containing Mark II Adomite + 1 3/4#/gal 20-40 mesh sand @Max/Min press 6650/5700 psi. AIR 20 BPM. ISIP 950 psi. Ran temp log - could not get below 7518', tools sticking & blocking shoe. SD.

11-2-79: Pld 2 1/2" frac tbg & pkr. Ran 3 1/2" sand pump & cleaned out to TD. Ran tbg & rods. Tbg detail to follow. Started well to ppg. Tbg detail. Ran 1 jt 2 1/2" OPMA w/top 2' perforated, 2" SN + 240 jts 2" EUE brd thread tbg, 7411'. Hung @7419', OPMA @7389'-7419', SN @7388'. Ran 2" x 1 1/4" x 20' (Continental-Emsco) pump w/1" x 6' dip tube on 221 - 3/4" & 77 - 7/8" rods. Started well to ppg.

11-3-79: In 24 hrs well pld 28 BO + 1 BW on 8-88" SPM. 1427 BOUL + 160 BWUL.

11-4-79: In 24 hrs well pld 27 BO + 0 BW on 8-88" SPM. 1400 BOUL + 160 BWUL.

11-5-79: In 24 hrs well pld 30 BO + 0 BW. Gravity 47.4 @ 63°.

11-6-79: In 24 hrs well pld 30 BO + 0 BW. Gravity 47.4 @ 63°.

1-16-80: OPT test. In 24 hrs well pld 30 BO + 0 BW. Gravity 47.4 @ 63°.

Gas rate 110 MCFPD.