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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

JAN 28 1977

O. C. C.

ARTESIA, OFFICE

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.
647-364

7. Unit Agreement Name
Empire Abo Pressure Maintenance Project

8. Farm or Lease Name
Empire Abo Unit "F"

9. Well No.
332

10. Field and Pool, or Wildcat
Empire Abo

12. County
Eddy

15. Elevation (Show whether DF, RT, GR, etc.)
3668.2" GR

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ REMEDIAL WORK ☐ ALTERING CASING ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

PULL OR ALTER CASING ☐ OTHER ☐ CASING TEST AND CEMENT JOBS ☒ Oil String

OTHER ☐ DST, Log, Perf & Treat ☒

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.

Reached TD 6369' @ 3:15 PM 1/4/77. Ran GR-DLL w/caliper, GR-N, CNL-FDC & BHC Sonic logs. DST #1 Abo 5988-6013'. TO 7:30 AM 1/6/77 w/weak blow. No test, hole in DP. DST #2 Abo 5956-5981'. TO 4:25 AM 1/7/77. Flwd on 42/64" ck, 495 psi FP, 272 psi sep press, rate of 1.5 MMCFD w/no fluids. Closed tool @ 6:19 AM & rel pkrs. DST #3 Abo 6070-6095'. TO @ 9:10 AM 1/7/77 to closed chamber tester. CCT indicated flow rate of 562 BOPD w/GOR 424:1. Flwd to pit 80 mins w/1# surf press, no fluid to surf. Closed tool @ 10:50 AM. DST #4 5852-5877'. TO & blew DP dry. Flwd 1 hr ARO 1.1 MMCFD w/no fluid. Closed tool. DST #5 Abo 5990-6015'. TO @ 4:14 PM 1/7/77. Fluid to surf in 10 mins. Flwd to test sep 1 hr w/106# FP on 1" ck & 50# sep press. Flow rate 658 BOPD w/GOR 635:1. Closed tool @ 7:20 PM, RO 3000' oil, rel tools & POH. Ran 5 1/2" OD csg btm to top as follows: (211') 5 1/2" OD 15.5# K-55, (6142') 5 1/2" OD 14# K-55 csg set @ 6368'. FC set @ 6322' & stage collar @ 4021'. Cmt'd csg in 2 stages. Stage #1 pmpd 500 gals SAM-4 mud spacer followed by 25 BFW & 525 sx Cl C 50:50 Pozmix cont'g 2% gel, .6% CFR-2, 8# salt & 5# gilsonite/sk. Bumped plug @ 5 PM 1/8/77. Opened stage collar @ 4021' & circ out 60 sx cmt. Stage #2, cmt'd 5 1/2" OD csg thru stage collar @ 4021' w/25 BFW followed by 700 sx HLW cont'g 8# salt/sk & 100 sx Cl C cont'g 8# salt/sk. Bumped plug @ 12:15 AM 1/9/77 w/2000# & closed stage collar. Circ 30 sx cmt. WOC 72 hrs. DO stage collar @ 4021', lowered bit to PBD 6313'. Press tstd csg to 1500# 30 mins OK. Ran GR-TDT logs. Perf'd Abo 6214-6237' w/2 JSPF (47 - .45"holes) RIH w/Lok-set pkr on 2-3/8"OD tbq, set @ 6124', FN @ 6091', btm tbq @ 6159'. Acidized perfs 6214-6237' w/4000 gals 15% HCL-LSTNE acid, (cont'd on attached Page #2)

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

SIGNED [Signature]

TITLE Dist. Drlg. Supt.

DATE 1/26/77

APPROVED BY [Signature]

TITLE SUPERVISOR, DISTRICT II

DATE FEB 1 1977

CONDITIONS OF APPROVAL, IF ANY:

C-103

Empire Abo Unit "F" #332

1/26/77

Page 2

flushed w/1008 gals lease crude. MP 3950#, ISIP 800#, 1 min vacuum. Swbd 2½ hrs, rec 20 BLO, 20 BLW, no gas. On 24 hr potential test 1/20/77 flwd 535 BO, 7 BLW, 48/64" ck, FTP 190#. GOR 551:1. Final Report. New Empire Abo Unit Oil well.