STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: NM-0606

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. Unit Agreement Name:

OIL WELL ☐ GAS WELL ☒ OTHER-

8. Farm or Lease Name: Atlantic A LS

2. Name of Operator: Tenneco Oil Company

9. Well No.: 6

3. Address of Operator: P.O. Box 3249, Englewood, Colorado 80155

10. Field and Pool, or Wildcat: Blanco Mesaverde

4. Location of Well: UNIT LETTER B, 1090' FEET FROM THE North LINE AND 1550' FEET FROM THE East LINE, SECTION 26 TOWNSHIP 31N RANGE 10W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.): 6313' GL

12. County: San Juan

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	☐			CASING TEST AND CEMENT JOB	☐		
OTHER	☐			OTHER	☐		

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.

Tenneco requests permission to sidetrack, run casing and recomplete the above referenced well in accordance with the attached detailed procedure.

RECEIVED
APR 07 1986
OIL CON. DIV.
DIST. 3

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

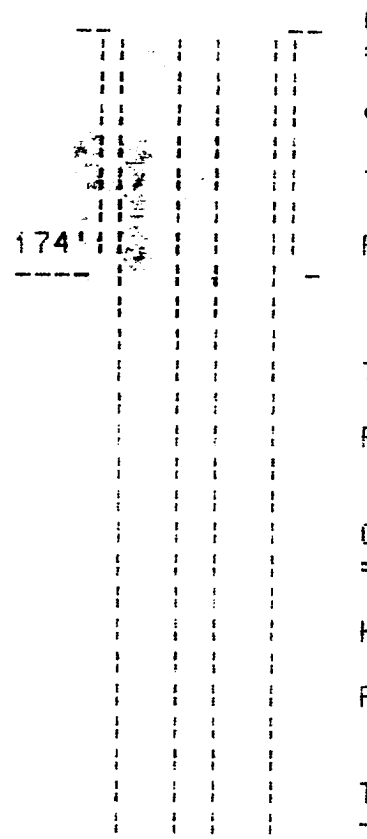
SIGNED Dee Linton TITLE Administrative Analyst DATE 4-4-86

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE APR 07 1986

CONDITIONS OF APPROVAL, IF ANY:

LEASE: ATLANTIC A LS

WELL NO. 6



CASING:
=======

9-5/8"OD, 25.40 LB, N/A CSG.W/ 200 SX

TOC @ SURFACE. HOLE SIZE 12-1/4", DATE 3-7-53.

REMARKS:CIRCULATED CEMENT TO SURFACE.

7 "OD, 23 LB, N/A CSG.W/ 300 SX

TOC: 2940' , HOLE SIZE 8-3/4", DATE 3-24-53.

REMARKS: TOP OF CMT @ 2940' BY TEMPERATURE SURVEY.

OPEN HOLE:
========== FROM: 4700' ,W/TOTAL DEPTH @ 5492'.

HOLE SIZE 6-1/4", DATE 4-2-53.

REMARKS:_ SHOT OPEN-HOLE FROM 4742' TO 5492' W/1720 QUARTS OF SNG.

TUBING:

2-3/8"OD, 4.75 LB, N/A GRADE, N/A RD, N/A CPLG

LANDED @ 5487' . SN, PACKER, ETC. N/A.

__N/A_"OD,__N/A_LB,_N/A_GRADE,_N/A_RD,___N/A__CPLG

LANDED @__N/A____. SN, PACKER, ETC.____N/A_____.

DETAILED PROCEDURE:

1. BLADE LOCATION AND INSTALL ANCHORS IF NECESSARY. INSTALL BLOW DN LINES AND START WELL BLOWING DN.

2. MIRURT. KILL W/1% KCL WTR IF NECESSARY. NDWH AND NUBOP.

3. POOH W/ 2-3/8"TBG LAYING DN. DO NOT PULL OVER 40,000#, RECORDS INDICATE THAT THE TBG IS 2.0" 4.70# J-55 EUE HAVING A YIELD STRENGTH OF 71,000 LBS. THIS TBG HAS BEEN IN SERVICE SINCE 1953.

4. IF TBG IS STUCK AND CANNOT BE PULLED, RIH ON WL W/A 1-1/2" 1.39" OD TBG JET CUTTER AND MAKE FIRST CUT 100' BELOW THE 7" CSG SHOE @ 4700'. POOH W/TBG.

5. PU A CMT RET. FOR 7" CSG ON 2-7/8" D.P. AND RIH TO 4550', 150' ABOVE THE 7" CSG SHOE & SET.

6. LOAD THE ANNULUS W/WTR & PT THE RET. & CSG TO 750 PSIG. PU ON THE D.P. AND PT THE 2-7/8" D.P. TO 1500 PSIG. STING OUT OF THE RET. & EST REVERSE CIRCULATION. STING BACK INTO RET. AND EST INJECTION RATE & PRESSURE INTO OPEN HOLE.

7. SQUEEZE OPEN-HOLE W/300 SXS OF CLASS "B" CMT CONTAINING 1% CACL2. STING OUT OF RET. & REVERSE D.P. CLEAN. POOH W/THE 2-7/8" D.P. & STINGER.

8. NDBOP & TBG HEAD. NU A 10" 2000# X 10" 2000# CSG SPOOL. NU THE BOP & PT THE CSG SPOOL & STACK TO 2000 PSIG.

9. RIH W/A 6-1/4" BIT AND 6-8 DC'S. UNLOAD HOLE W/ N2 & DRILL OUT CMT RET. DRESS OFF THE OPEN HOLE PLUG 15' BELOW THE 7" CSG SHOE AT 4700'. BLOW HOLE CLEAN AND POOH.

10. RU TO DRILL AHEAD W/GAS. PU A KNUCKLE JOINT KICK-OFF ASSBLY & RIH. MAKE KICK OFF AND BUILD ANGLE RUN, SURVEY AS REQUIRED.

11. POOH W/DRILL STRING & LAY DN KNUCKLE JOINT. RU TO DRILL W/AIR. RIH W/A 6-1/4" BNHO AND REAM NEW HOLE. PU 6-1/4" BIT, 6 4-3/4" DC, DP, TIH. DRILL & SURVEY TO TD. POOH FOR LOGS. TD=5750'

12. MIRUWL. RUN GR-DIL & GR-CDL-CALIPER LOGS OVER THE ENTIRE OPEN HOLE SECTION. TIH W/DRILL STRING TO TD, BLOW THE HOLE CLEAN & POOH LAYING DN.

13. RU & RIH W/A STRING OF 4-1/2" 10.5# K-55 STC CSG AS FOLLOWS: GUIDE SHOE, FLOAT COLLAR 1 JT OFF BOTTOM & 3 CSG CENTRALIZERS.

14. CMT AS FOLLOWS: PUMP 10 BBLS OF MUD FLUSH FOLLOWED BY SUFFICIENT VOLUME OF 50/50 POZMIX CONTAINING 1/4# PER SX FLOCELE TO RAISE TOC TO +/- 2800'.

15. SET SLIPS W/FULL CSG WEIGHT. NDBOP AND CUT OFF CSG STUB. NU A 10" 2000# X 6" 3000# TBG HEAD.

16. LOAD THE 4-1/2' X 7" ANNULUS W/CORROSION INHIBITED WATER AND PT TO 1000 PSIG. RDMORT.

17. MIRUSU & NUBOP.

18. PU A 3-7/8" BIT ON 2-3/8" TBG AND TALLEY IN HOLE. TAG PBTD & DO IF NECESSARY. CIRCULATE HOLE CLEAN. PT TO 3500 PSIG & DISPLACE HOLE W/ 1% KCL WTR.

19. PUH W/THE 2-3/8" TBG TO THE BOTTOM MV PERF & SPOT 500 GAL OF 7-1/2% DI HCL ACID ACROSS THE MESEVERDE PERFORATIONS. POOH W/ THE BIT & TBG.

20. RUN A GR-CCL CORRELATION LOG FROM PBTD UP TO 30' ABOVE THE HIGHEST MESAVERDE PAY. PERFORATE THE POINT LOOKOUT MEMBER OF THE MV USING 3-1/8" HOLLOW CARRIER CSG GUNS HAVING 2 JSPF & 120 DEGREE PHASING.

21. ACIDIZE THE POINT LOOKOUT DN CSG W/20 GALS/PERF OF 15% HCL CONTAINING 600# NACL/1000 GALS & 50% EXCESS 7/8" 1.1 S.G. RCN SLR BALLS. PUMP @ MAX RATE W/MAX STP 3500 PSIG. DO NOT EXCEED 50 BPM.

22. ROUND TRIP WL JUNK BASKET TO PBTD.

23. FRACTURE STIMULATE THE MV-PT. LOOKOUT DN CSG WITH 1% KCL WTR W/FRICTION REDUCER & 2500#/FT OF 20/40 SD. PUMP JOB AT A RATE OF 2 BPM/FT OF PERFORATED PAY. DESIGN AS FOLLOWS:

SAND VOL: 2500# 20/40 SD X NET FT OF PAY PERF'D.
RATE: 2 BPM X NET FT OF PAY PERF'D.
FLUID: 1% KCL WTR CONTAINING FRICTION REDUCER.

PUMP SCHEDULE
==========

30% OF TOTAL FLUID VOLUME FOR PAD.
2 CSG VOLUMES OF 1/2 PPG SAND.
2 CSG VOLUMES OF 1 PPG SAND.
2 CSG VOLUMES OF 1-1/2 PPG SAND.
REMAINING SAND @ 2 PPG SAND.

24. FLUSH SHY OF TOP PERF AND CLOSE RAMS ASAP IF WELL GOES ON VACUUM. IF POSITIVE PRESSURE EXISTS RECORD 5, 10 & 15 MINUTE SIP & THEN CLOSE RAMS.

25. RIH ON WL W/A 4-1/2" WL SET RBP. SET THE RBP ABOVE THE TOP PERF AND BELOW THE BOTTOM PERF OF MESAVERDE-MENEFEE INTERVAL. DUMP 2 SXS SD ON THE RBP, LOAD THE HOLE W/1% KCL WTR AND PT TO 3500 PSIG.

26. RIH W/THE 2-3/8" TBG TO THE BOTTOM PERFORATION DEPTH OF THE UPPER MV-MEMBER & SPOT 500 GAL OF DI 7-1/2% HCL ACID ACROSS THE MV-MENEFEE INTERVAL. POOH W/THE 2-3/8" TBG STRING.

27. PERFORATE THE MENEFEE MEMBER OF THE MV USING 3-1/8" HOLLOW CARRIER CSG GUNS HAVING 2 JSPF & 120 DEGREE PHASING PER GEOLOGICAL ENGINEERING'S RECOMMENDATION.

28. ACIDIZE THE MENEFEE DN CSG W/20 GALS/PERF OF 15% HCL CONTAINING 600# NACL/1000 GALS & 50% EXCESS 7/8" 1.1 S.G. RCN SLR BALLS. PUMP @ MAX RATE W/MAX STP 3500 PSIG. DO NOT EXCEED 50 BPM.

29. ROUND TRIP WL JUNK BASKET TO PBTD.

30. FRACTURE STIMULATE THE MV-MENEFEE DN CSG WITH 1% KCL WTR W/20# GEL/1000 GAL & 2500#/FT OF 20/40 SD. PUMP JOB AT A RATE OF 2 BPM/FT OF PERFORATED PAY. DESIGN AS FOLLOWS:

SAND VOL: 2500# 20/40 SD X NET FT OF PAY PERF'D.
RATE: 2 BPM X NET FT OF PAY PERF'D.
FLUID: 1% KCL WTR CONTAINING 20# GEL/1000 GAL.

PUMP SCHEDULE
==========

30% OF TOTAL FLUID VOLUME FOR PAD.
2 CSG VOLUMES OF 1/2 PPG SAND.
2 CSG VOLUMES OF 1 PPG SAND.
2 CSG VOLUMES OF 1-1/2 PPG SAND.
REMAINING SAND @ 2 PPG SAND.

31. FLUSH SHY OF TOP PERF AND CLOSE RAMS ASAP IF WELL GOES ON VACUUM. IF POSITIVE PRESSURE EXISTS RECORD 5, 10 & 15 MINUTE SIP & THEN CLOSE RAMS.

32. RIH ON WL W/A 4-1/2" WL SET RBP. SET THE RBP ABOVE THE TOP PERF AND BELOW THE BOTTOM PERF OF MESAVERDE-CLIFF HOUSE INTERVAL DUMP 2 SXS SD ON THE RBP, LOAD THE HOLE W/1% KCL WTR AND PT TO 3500 PSIG.

33. RIH W/THE 2-3/8" TBG TO THE BOTTOM PERFORATION DEPTH OF THE UPPER MV-MEMBER & SPOT 500 GAL OF DI 7-1/2% HCL ACID ACROSS THE MV-CLIFF HOUSE INTERVAL. POOH W/THE 2-3/8" TBG STRING.

34. PERFORATE THE CLIFF HOUSE MEMBER OF THE MV USING 3-1/8" HOLLOW CARRIER CSG GUNS HAVING 2 JSPF & 120 DEGREE PHASING PER GEOLOGICAL ENGINEERING'S RECOMMENDATION.

35. ACIDIZE THE CLIFF HOUSE DN CSG W/20 GALS/PERF OF 15% HCL CONTAINING 600# NACL/1000 GALS & 50% EXCESS 7/8" 1.1 S.G. RCN SLR BALLS. PUMP @ MAX RATE W/MAX STP 3500 PSIG. DO NOT EXCEED 50 BPM.

36. ROUND TRIP WL JUNK BASKET TO PBTD.

37. FRACTURE STIMULATE THE MV-CLIFF HOUSE DN CSG WITH 1% KCL WTR W/FRICTION REDUCER & 2500#/FT OF 20/40 SD. PUMP JOB AT A RATE OF 2 BPM/FT OF PERFORATED PAY. DESIGN AS FOLLOWS:

SAND VOL: 2500# 20/40 SD X NET FT OF PAY PERF'D.
RATE: 2 BPM X NET FT OF PAY PERF'D.
FLUID: 1% KCL WTR CONTAINING FRICTION REDUCER.

PUMP SCHEDULE
==========

30% OF TOTAL FLUID VOLUME FOR PAD.
2 CSG VOLUMES OF 1/2 PPG SAND.
2 CSG VOLUMES OF 1 PPG SAND.
2 CSG VOLUMES OF 1-1/2 PPG SAND.
REMAINING SAND @ 2 PPG SAND.

38. FLUSH SHY OF TOP PERF AND CLOSE RAMS ASAP IF WELL GOES ON VACUUM. IF POSITIVE PRESSURE EXISTS RECORD 5, 10 & 15 MINUTE SIP & THEN CLOSE RAMS.

39. RIH W/A RET. HEAD ON 2-3/8" TBG & CO W/N2-FOAM TO RBP. LATCH INTO RBP, LET EQUALIZE & POOH.

40. RIH W/A RET. HEAD ON 2-3/8" TBG & CO W/N2-FOAM TO RBP. LATCH INTO RBP, LET EQUALIZE & POOH.

41. RIH W/THE 2-3/8" TBG OPEN-ENDED W/A SN 1 JT OFF BOTTOM AND CO TO PBTD W/N2-FOAM. PUH W/THE TBG AND LAND W/THE BOTTOM 20' ABOVE THE BOTTOM MESAVERDE PERFORATION.

42. KILL THE TBG, NDBOP & NUWH. KICK THE TBG AROUND W/N2 AND FTCU.

43. RDMOSU.

PETER M. MUELLER
PROJECT PRODUCTION ENGINEER