

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE
(See other instructions on reverse side)
COPYFORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995**WELL COMPLETION OR RECOMPLETION REPORT AND LOG ***

1a. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER ☐

b. TYPE OF COMPLETION:

NEW ☐ WORK ☐ DEEP- ☐ DIFF. ☐
WELL ☐ OVER ☐ EN ☐ RESVR. ☐ OTHER ☐

2. NAME OF OPERATOR

CONOCO INC.

3. ADDRESS OF OPERATOR

P.O. Box 2197, DU 3066, Houston, TX 77252-2197

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1285' FNL 2270' FEL, UNIT LETTER B

At top prod. Interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

5/9/00

16. DATE T.D. REACHED

5/17/00

17. DATE COMPL. (Ready to prod.)

6/14/00

18. ELEV. (DF, RKB, RT, GR, ETC) *

6061'

20. TOTAL DEPTH, MD & TVD

5290'

21. PLUG, BACK T.D. MD. & TVD

5163'

22. IF MULTIPLE COMPL. HOW MANY *

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *

Blanco Mesa Verde 4716' - 4866'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Cement Bond Log

5. LEASE DESIGNATION AND SERIAL NO.

SF 078194

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

LUDWICK LS

8. FARM OR LEASE NAME, WELL NO.

#8C

9. API WELL NO.

30-045-30141

10. FIELD AND POOL, OR WILDCAT

BLANCO MESA VERDE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 31, T30N, R10W

12. COUNTY OR PARISH

SAN JUAN COUNTY

13. STATE

NM

19. ELEV. CASINGHEAD

23. INTERVALS DRILLED BY
ROTARY ☒ CABLE ☐25. WAS DIRECTIONAL
SURVEY MADE

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB/FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36#	286'	12 1/4"	140 sxs	
7"	20#	2019'	8 3/4"	284 sxs	
4 1/2"	10.5#	5262'	6 1/4"	363 sxs	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	4554'	

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED SUMMARY

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

33. * PRODUCTION

DATE FIRST PRODUCTION

6/14/00

PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)

Flowing

WELL STATUS (Producing or shut-in)

DATE OF TEST

6/11/00

CHOKE SIZE

1/2"

PROD'N FOR TEST PERIOD

OIL - BBL

1

GAS - MCF

1848 MCFPD

WATER - BBL

5

GAS - OIL RATIO

FLOW TUBING PRESS

280#

CASING PRESSURE

540#

CALCULATED 24 - HR RATE

OIL - BBL

1

GAS - MCF

1848 MCFPD

WATER - BBL

5

OIL GRAVITY - API (CORR)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

V

TEST WITNESSED BY

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

SUMMARY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Debra Sittner

TITLE DEBRA SITTNER, As Agent for Conoco

FARMINGTON FIELD OFFICE

DATE 7/17/00

AUG 14 2000

(See Instructions and Spaces for Additional Data on Reverse Side) Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Operator	Conoco
Well	Ludwick LS 8C
Location	31-30N-10W
Legal	1285' fnl & 2270' fel
County, State	San Juan, NM
KB	6073
API #	30-045-30141

	MD	SS
Ojo Alamo	1150	4923
Kirtland	1350	4723
Fruitland	2080	3993
Pictured Cliffs	2509	3564
Lewis	2658	3415
Chacra	3497	2576
Cliffhouse	4143	1930
Menefee	4175	1898
Point Lookout	4786	1287
Mancos		
Gallup		
Greenhorn		
Graneros		
Two Wells		
Paguate		
Cubero		
Morrison		
TD	5280	793

CONOCO, INC.
LUDWICK LS #8C
API# 30-045-30141
SEC. 31, T30N-R10W UNIT LETTER 'B'
1285' FNL & 2270' FEL

- 5/22/00 Rig up Schlumberger and run TDT from PBTD @ 5163'. Up to 1500' and GR from PBTD up to surface.
- 5/23/00 Rig up blue jet and run CBL from PBTD up to 3800' (Good bond to TOC @ 4030') then ran CBL from 2980 up to 1750' (BLM looked at CBL and picked cement top @ 2290') Perforate the lower Menefee and Point Lookout w/ 2 SPF at the follow stops 4716, 4903, 05, 16, 73, 77, 5023, 54, 61, 67, 69, 81 and 1 SPF at the following stops: 4801, 04, 06, 08, 10, 12, 14, 16, 18, 41, 43, 45, 52, 59, 61, 66.
- 5/24/00 Rig up BJ test lines to 4100 PSI, Set pop-off at 3000 PSI. Break down w/ water at 2900 PSI, step rate test 11 BPM @ 90 PSI, 20 BPM @ 931 PSI, 30 BPM @ 1850 PSI, ISIP 0, Acidize w/ 36 BBL 15% HCL 13 BPM at 30 PSI Frac lower Menefee and Point Lookout w/ 3463 BBL slick water carrying 59,400 lbs 20/40 brady sand, 50 BPM at 1780 PSI, ISIP 0. RIH and set 4 1/2" composite plug at 4650' and test plug to 3000 PSI (OK) Perforate Menefee w/ 3 1/8" select fire w/ 2SPF at the following stops: 4423, 25, 27, 29, 31, 33, 35, 37, 39, 47, 59, 61, 63, 4537, 39, 41, 43, 84, 86, 88, 90, 92, 94, 96, 98, 4600, 02, 04, 06, 08. Test lines to 4000 PSI, set pop-off at 3000 PSI, break down Menefee w/ water at 2300 PSI and start step rate test 10 BPM @ 1278 PSI, 20 BPM @ 1800 PSI, 30 BPM @ 2560 PSI, ISIP 1000 PSI, Acidize w/ 36 BBL 15% HCL followed w/ pad, frac Menefee w/ 2540 BBL slick water carrying 49,446 lbs 20/40 brady sand 53 BPM at 2595 PSI, ISIP 1000 PSI, 5 min. 1000 PSI, 10 min. 990 PSI 15 min 980 PSI.
- 6/7/00 Road rig to location. Rig up. Spot all equipment. Spot trailer with tubing. ND Frac Valve. NUBOP. Started RIH with 2 3/8" tubing with 3 3/4" Metal Muncher Mill. (Note) Met with Steve Mason and Chip Harrington with BLM, looked at TDT log and CBL log. They called TOC @ 2290'. Have approval to continue completion, we do not have to squeeze. Shut down.
- 6/8/00 Check well, no pressure. Continue to RIH with 2 3/8" tubing with Metal Muncher Mill. Tagged sand fill @ 4478' Rigged up power swivel started 2 drill gas compressors and cleaned sand fill to Hallib Fas Drill Plug @ 4650'. Pumped soap sweeps to clean well bore. Drilled up Hallib Fas Drill Plug @ 4650'. Continue to RIH with 2 3/8" tubing. Tagged sand fill @ 5046'. Started 2 drill gas compressors and cleaned sand to PBTD @ 5163'. Pumped soap sweeps to allow well to clean up. Pulled up to 3784'. KB. Well would not flow on its own. Shut down.
- 6/9/00 Blow well down. POOH with 2 3/8" tubing with Baker Metal Muncher Mill. RIH with Mule shoe Collar, SN and 2 3/8" tubing. Clean sand to PBTD @ 5163'. Pull up the hole with 2 3/8" tubing to 4480'. Make well flow up the 2 3/8" tubing thru 1/2" choke nipple. Will drywatch and test thru the weekend.
- 6/10/00 Drywatch and test well. Well still flowing up the tubing thru 1/2" choke nipple. Will continue to drywatch and test.
- 6/11/00 Still drywatching and testing well up the 2 3/8" tubing with the 2 3/8" tubing @ 4480' well flowing up the tubing thru 1/2" choke nipple. Well tested as follows: TBG - 280 psi, CSG - 540 psi. MCFPD = 1848. Oil - 1 BBL. Water - 5 BBLs. Test witnessed by Mike Stone with L&R Const. This test is for the Mesa Verde. THIS WELL IS A MESA VERDE SINGLE ONLY.

CONOCO, INC.
LUDWICK LS #8C
API# 30-045-30141
SEC. 31, T30N-R10W UNIT LETTER 'B'
1285' FNL & 2270' FEL

- 6/12/00 Check well. Well still flowing up the tubing thru ½" choke nipple. TBG – 280 psi, CSG – 540 psi RIH and tagged sand @ 5148' for 15' of fill. Started 2 drill gas compressors and cleaned sand to PBTD @ 5163'. Set on bottom and continued to clean well. Pull up the hole to 4481'. Shut down.
- 6/13/00 Check well pressures. CSG – 780 psi. TBG – 800 psi. Blow well down. RIH to tag for fill. Tagged fill @ 5158', for 5' of fill. Started 2 drill gas compressors and cleaned sand to PBTD @ 5163'. Pumped soap sweeps to allow well to clean up. Set on bottom and circulated to allow well to clean up. Pulled up to 4796'. Shut down.
- 6/14/00 Check well pressures. Tbg – 780 psi., Csg – 780 psi. Blow well down. Run 12 jts and tagged fill @ 5158' for 5' of fill. Started up 2 drill gas compressors and cleaned sand to PBTD @ 5163'. Pumped soap sweeps to allow well to clean up. Pulled up and landed 2 3/8" tubing with SN and Mule Shoe Collar on bottom. Landed 2 3/8" tubing @ 4554' w/ KB added in. Total tubing 144 jts. NDBOP & NUWH. Blow well around with compressors. Rig down Blowie Lines. Rig down Drill Gas Compressors. Clean location. Rig down and move off location. Final Report.