

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE \*  
(See other instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0187  
Expires: February 28, 1995

COPY

## 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

10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915) 686-5424

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

At surface 1190' FNL - 1845' FWL, SEC. 16, T26N-R04W, UNIT LETTER 'C'  
At top prod. Interval reported below  
At total depth

## 14. PERMIT NO.

## DATE ISSUED

## 5. LEASE DESIGNATION AND SERIAL NO.

CONT 145 / 04

## 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

JICARILLA APACHE

## 7. UNIT AGREEMENT NAME

ALBUQUERQUE N.M.

## 8. FARM OR LEASE NAME, WELL NO.

JICARILLA E #15E

## 9. API WELL NO.

30-039-25736

## 10. FIELD AND POOL, OR WILDCAT

BLANCO MESA VERDE

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

SEC. 16, T26N-R04W

## 12. COUNTY OR PARISH

RIO ARRIBA

## 13. STATE

NM

## 15. DATE SPUDDED

02-04-98

## 16. DATE T.D. REACHED

02-28-98

## 17. DATE COMPL. (Ready to prod.)

03-20-98

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

6809' GL

## 19. ELEV. CASINGHEAD

## 20. TOTAL DEPTH, MD &amp; TVD

7921'

## 21. PLUG, BACK T.D. MD. &amp; TVD

7921'

## 22. IF MULTIPLE COMPLETIONS, HOW MANY \*

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

MAY 28 1998

5553' - 5776' BLANCO MESA VERDE

## 26. TYPE ELECTRIC AND OTHER LOGS RUN

CEMENT BOND WITH GAMMA RAY

## 23. INTERVALS DRILLED BY

ROTARY CABLE

TOOLS ☒ TOOLS ☐

## 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#	312' 3/3	12-1/4"	170 SX	
7"	23#	3937'	8-3/4"	560 SX	
4-1/2"	11.6#	7921'N(7876' Collar)	6-1/4"	255 SX	

## 29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	5406' MV Test	5960'

## 31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED

## 33. \* PRODUCTION

DATE FIRST PRODUCTION 03-20-98		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) Flowing				WELL STATUS (Producing or shut-in)		
DATE OF TEST 03-20-98	HOURS TESTED 24	CHOKE SIZE 1/2"	PROD'N FOR TEST PERIOD —————→	OIL - BBL 1	GAS - MCF 1221 MCFD	WATER - BBL 15	GAS - OIL RATIO	
FLOW. TUBING PRESS 185#	CASING PRESSURE 420#	CALCULATED 24 - HR RATE —————→	OIL - BBL 1	GAS - MCF 1221 MCFD	WATER - BBL 1	OIL GRAVITY - API (CORR)		

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

V

## TEST WITNESSED BY

GENARIO MAEZ, FLINT CONST.

## 35. LIST OF ATTACHMENTS

ATTACHED SUMMARY

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

SIGNED

TITLE DEBRA BEMENDERFER, As Agent for Conoco Inc. DATE



COPY

JICARILLA E #15E

30-039-25736

SEC. 16, T26N-R04W, 1190' FNL - 1845' FWL  
RIO ARRIBA COUNTY, NM  
ATTACHMENT TO 3160-4

- 3-5-98 MIRU, tagged rubber @ 3707', drilled out and tagged DV tool @ 3728', DO DV @ 3728', tagged cement @ 6008', on top of DV tool @ 6127'.
- 3-6-98 Drill cement from 6008' to DV tool @ 6116'. Drill up DV @ 6116' Tag cement to float collar @ 7879', drill up float collar and drill cement to 7915'. Circ hole, test casing to 4500 psi, held okay. RU Schlumberger to run logs: TDT from 7918' to 3900', log CBL from 7908' to 3620' and Gamma Ray up to 2800'. RD
- 3-9-98 RU BJ to perf DK zone, RIH w/ wireline and pressure to 2000 psi. Perf DK @ 7675' - 84-86-90-92-7700-03-06-9-17-19-23-25-84-87-90-93-96-99-7814-16-18-23-26-29-32-35-41-43-55-61. Perfs broke down w/ 200 psi. RU and get ready to frac.
- 3-10-98 Acidize DK w/ 800 gals 15% HCl w/ ball sealers, avg pressure 4200 psi. Good ball action, well balled off. ISIP 1150 PSI. RU BJ and RIH w/ junk basket. Retrieved 46 balls. RU BJ to frac. Frac'd DK w/ 115,196# of 20/40 Ottawa sand w/ 71,596 gals of 15# X-Link gel. Avg pressure 3500 psi @ 43 bpm avg rate. Max pressure 3700 psi. ISIP 1870 psi. Max sand conc 3#/ gal. RIH set Halliburton Fas Drill plug @ 5960'. Test plug to 3000# - okay.
- 3-11-98 RIH w/ Wireline. Perf 2 squeeze holes @ 5600', RIH w/ Haliburton 4-1/2" cement retainer, and 2-3/8" tbg, set retainer @ 5551'. Pressure 4-1/2" backside to 500 psi - okay. RU BJ to squeeze, pump down tbg to get inj rate 3 bpm @ 100 psi, pump 50 sks, class B plus 10% Thixad + 6# sk Gilsonite, mixed 15.6 PPG, and 50 sks Class B neat cement mixed @ 15.6 PPG. Final shut down, 360 psi. POOH w/ 2-3/8" tbg. (verbal approval w/ Pat Hester in Rio Puerco BLM office, Trigon to follow w/ Sundry)
- 3-12-98 Tagged cement @ 5536', drilled cement to retainer @ 5551'. Drilled up retainer @ 5551'. Drilled cement to squeeze holes at 5600'. Drilled out of cement @ 5600', tested casing to 500psi. Continue in hole to plug @ 5960'.
- 3-13-98 POOH w/ tbg and bit. RU BJ and run CBL from 5934' to 4200'. TOC @ 5220'. POOH w/ CBL and RIH to perf MV @ 5553-56-64-68-87-95-5603-11-44-46-63-69-72-75-78-84-87-90-97-5700-03-39-41-45-49-51-57-59-73-76. Total of 31 holes. Hole size is 0.32" RD BJ.
- 3-16-98 RU BJ acidize w/ 650 gals, 15% HCl acid w/ 47 ball sealers. Avg rate 12.5 bpm @ 700 psi avg. Good ball action, well balled off. ISIP 0 psi, RU BJ. RIH w. wireline junk basket, retrieved 47 balls w/ 31 hits. RU BJ to frac w/ 79,174# 20/40 AZ sand, and 11,060# of 20/40 SDC sand. 1500# psi avg pressure, @ 52 bpm avg rate. Treating fluid pumped @ 62,923 gals of 15# X-Link Gel. Max pressure 1550 psi, ISIP - o pressure RD BJ.
- 3-17-98 RU drill gas compressors. Unload well to 2528'
- 3-18-98 RIH w/ tbg and mill. Run to 5406', unload well.
- 3-19-98 RIH w/ 2-3/8" tbg, tagged sand @ 5849', cleaned sand to plug @ 5960', pulled back to 5406' for test: 1/2" choke, 185# tubing pressure, 420 casing pressure, 1221 MCDF, water = 15, Oil = 1. Witnessed by Genario Maez w/ Flint Well Service.

3-20-98 RIH w/tbg & mill, cleaned sand to 5960'. Drilling Hallib. Fas Drill Plug, POOH.

3-23-98 RIH w/tbg & mill, tagged Hbton Fas Drill Plug @ 5960'. Drilled up plug @ 5960'. Cont. in hole & tagged sand @ 7781', cleaned sand to PBTD @ 7918'. Pull back up hole to 5406'.

3-24-98 Cont. POOH w/tbg & MMM, RIH w/2-3/8" tbg, SN, tagged sand @ 7873'. Started compressors & cleaned sand to PBTD @ 7918'. Pulled up the hole to 7749'. Flowing up the tbg thru 1/2" choke w/2-3/8" tbg @ 7749'; TP 255psi; CP 690 psi. DK TEST as follows. 462 MCFPD, 8 bbls H2O, 2 bbls oil, test witnessed by Alonso Cano w/Big A Well Service.