

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN

Division

FORM APPROVED

N.M. Oil
811 S. 1st Street
Albuquerque, NM 88102-2834

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO. SHL & BHL: NM-NM84-B
6. INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME N/A
8. FARM OR LEASE NAME, WELL NO. ARCO "20" FEDERAL COM. #2
9. API WELL NO. 30-015-30599
10. FIELD AND POOL, OR WILDCAT Avalon (Morrow)
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SHL: Lot 10, Section 20, T21S, R26E BHL: Unit K, Section 20, T21S, R26E

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other
1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESERV <input type="checkbox"/> Other

2. NAME OF OPERATOR
DEVON ENERGY CORPORATION (NEVADA)

3. ADDRESS AND TELEPHONE NO.
20 N. BROADWAY, SUITE 1500, OKC, OK 73102-8260 (405) 235-3611

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1320' FSL & 2323' FWL, Lot 10, Section 20-21S-26E, Eddy Cnty, NM
At top prod. interval reported below 1677' FSL & 2007' FWL, Unit K, Section 20-21S-26E, Eddy Cnty, NM
At total depth 1677' FSL & 2007' FWL, Unit K, Section 20-21S-26E, Eddy Cnty, NM

14. PERMIT NO.	DATE ISSUED 03-15-1999	12. COUNTY OR PARISH Eddy	13. STATE New Mexico
15. DATE SPUNDED 05-12-1999	16. DATE T.D. REACHED 06-12-1999	17. DATE COMPL. (Ready to produce) 10-08-1999	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* TSL 3440'
19. ELEV. CASINGHEAD	20. TOTAL DEPTH, MD & TVD 11,321' MD, 11,285' TVD		
21. PLUG, BACK T.D., MD & TVD 11,272' MD, 11,236' TVD	22. IF MULTIPLE COMPLET., HOW MANY N/A	23. INTERVALS DRILLED BY →	ROTARY TOOLS X
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND FEET) Morrow 10,435-11,169'			25. WAS DIRECTIONAL SURVEY MADE Yes
26. TYPE ELECTRIC AND OTHER LOGS RUN Platform Express Azimuthal Laterlog/Natural GR, Compensated Neutron/3 Detector Density/NGT and Cmt Bond logs			27. WAS WELL CORED No

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
13 3/8" H-40	48#	451'	17 1/2"	surface, 437 sx cement	
9 5/8" J-55	36#	2,121'	12 1/4"	surface, 910 sx cement	
7" L80/J55	26# / 23#	11,320'	8 3/4"	320' (CBL) 2125 sx cement	

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7" packer set @	10,905'
	2 3/8" packer set @	9,781'

31. PERFORATION RECORD (Interval, size and number)

All perms are (0.3" EHD)
Morrow Canyon
10,435-10,439' with 9 holes 9553-9563' with 40 holes
10,445-10,448' with 7 holes 9632-9646' with 56 holes
11,042-11,046' with 3 holes Strawn
11,094-11,100' with 3 holes 9897-9903' with 13 holes
11,158-11,169' with 11 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9553-9646'	20,000 gals gelled 20% acid + 50 bio-sealers
9897-9903'	1000 gals 15% HCl + 10,000 scf N2 + 15 bio-sealers
9897-9903'	18,000 gals 70Q Vistar foam + 32 tons CO2 + 200,000 scf N2 + 25,500# 20/40 bauxite
(continued on reverse)	

PRODUCTION

33.* DATE FIRST PRODUCTION 10-09-1999	PRODUCTIONS METHOD 1 (Flowing, gas lift, pumping—size and type of pump) flowing	WELL STATUS (Producing or shut-in) Producing					
DATE OF TEST 10-11-1999	HOURS TESTED 24	CHOKE SIZE 25/64"	PROD'N FOR TEST PERIOD →	OIL-BBL. 0	GAS-MCF. 699	WATER-BBL. 0	GAS-OIL RATIO
FLOW. TUBING PRESS. 500 psi	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL-BBL. 0	GAS-MCF. 699	WATER-BBL. 0	OIL GRAVITY-API (CORR.)	

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

TEST WITNESSED BY
Curtis Tolle

35. LIST OF ATTACHMENTS
Deviation survey report, directional survey report, drill stem test and logs

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

SIGNED Candace R. Graham

CANDACE R. GRAHAM
TITLE ENGINEERING TECHNICIAN

DATED December 29, 1999

*(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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			DST #1: Strawn. 9889-9920' Times (minutes): 4-70-86-566 IH 4576 psia FH 4561 psia IF 104-128 psia FF 144-476 psia ISIP 3561 psia FSIP 3169 psia Recovered 5' condensate + 315' mud. GTS in 10 mins, 463 MCFGD at end of final flow. Sample chamber: 2.52 cftg + 200 cc condensate + 200 cc mud.
DEPTH			ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.. (continued from the front) 9897-9903' 2500 gals methanol + 8 tons CO2 10,435-48' no stim job 11,158-69' (press'd tbg w/47,000 scf N2) 1000 gals 7 1/2% HCl-25% methanol + 130,000 scf N2 (pickled tbg w/500 gals 17% HCl) 1000 gals 7 1/2% HCl + 500 scf/bbl N2 + 12 bio-sealers 11,042-169' + 42,000 gals mixed 70Q binary foam + 60,000# Ceramax-1 20/40 sand

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	2341'	2341'
Bone Spring	4549'	4549'
3rd BS Sand	7996'	7961'
Wolfcamp	8400'	8365'
Clisco-Canyon	9490'	9454'
Strawn	9852'	9816'
Atoka	10,167'	10,131'
Morrow	10,393'	10,357'
Lower Morrow	11,076'	11,040'
Barnett	11,248'	11,212'
TD	11,321'	11,285'

