

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING  
GOVERNOR

ANITA LOCKWOOD  
CABINET SECRETARY



POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

*ADMINISTRATIVE ORDER SWD-557*

***APPLICATION OF DEVON ENERGY CORPORATION (NEVADA) FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.***

**ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION DIVISION**

Under the provisions of Rule 701(B), Devon Energy Corporation (Nevada) made application to the New Mexico Oil Conservation Division on April 8, 1994, for permission to complete for salt water disposal its Todd "36" State Well No. 1 located 1980 feet from the North line and 1980 feet from the West line (Unit K) of Section 36, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico.

**THE DIVISION DIRECTOR FINDS THAT:**

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

**IT IS THEREFORE ORDERED THAT:**

The applicant herein, Devon Energy Corporation (Nevada) is hereby authorized to complete its Todd "36" State Well No. 1 located 1980 feet from the North line and 1980 feet from the West line (Unit K) of Section 36, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of salt water for disposal purposes into the Cherry Canyon formation at approximately 5980 feet to 6560 through 4 1/2-inch plastic-lined tubing set in a packer located at approximately 5880 feet.

**IT IS FURTHER ORDERED THAT:**

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations into the well, the casing shall be pressure tested from the surface to the packer setting depth to assure the integrity of said casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1196 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the Cherry Canyon formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia district office of the Division of the date and time of the installation of disposal equipment and of the mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia district office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

**PROVIDED FURTHER THAT,** jurisdiction of this cause is hereby retained by the Division for the entry of such further order or orders as may be deemed necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of the operator to conduct operations in a manner which will ensure the protection of fresh water or in a manner inconsistent with the requirements set forth in this order, the Division may, after notice and hearing, terminate the injection authority granted herein.

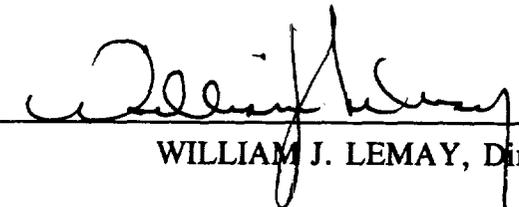
The operator shall submit monthly reports of the disposal operations in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

*Administrative Order SWD-557*  
*Devon Energy Corporation (Nevada)*  
*April 28, 1994*  
*Page 3*

---

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 28th day of April, 1994.

  
\_\_\_\_\_  
WILLIAM J. LEMAY, Director

WJL/BES/amg

xc: Oil Conservation Division - Artesia  
US Bureau of Land Management - Carlsbad

Devon Energy Corporation (Nevada)  
Todd Federal Lease Salt Water Disposal Wells

Todd 26 "G" Federal #2				Todd 26 "F" Federal #3				Todd 36 "E" State #1			
Date	Bbls	Cum Bbls	Press	Date	Bbls	Cum Bbls	Press	Date	Bbls	Cum Bbls	Press
09/94	15,717	589,556	493	09/94	23,556	551,179	531	09/94	47,972	47,972	259
10/94	20,050	609,606	406	10/94	26,256	577,435	455	10/94	57,638	105,660	299
11/94	20,799	630,405	470	11/94	29,347	606,782	502	11/94	56,450	162,120	364
12/94	21,745	652,150	482	12/94	32,792	639,574	492	12/94	57,785	219,835	379
01/95	21,787	673,937	482	01/95	31,675	671,249	486	01/95	44,657	264,502	377
02/95	19,054	692,991	483	02/95	24,641	695,890	482	02/95	37,745	302,247	391
03/95	20,436	713,429	487	03/95	34,684	730,574	526	03/95	46,857	349,104	425
04/95	22,319	735,748	519	04/95	46,636	777,210	597	04/95	50,635	399,709	479
05/95	23,473	759,221	542	05/95	46,701	823,911	610	05/95	49,853	449,572	478
06/95	23,377	782,598	541	06/95	48,734	872,645	624	06/95	50,179	499,751	482
07/95	20,760	803,358	521	07/95	43,551	916,196	601	07/95	62,919	562,700	459
08/95	21,940	825,298	528	08/95	48,352	964,548	632	08/95	71,536	634,236	487
09/95	22,343	847,641	525	09/95	50,857	1,015,405	651	09/95	67,823	702,059	517
10/95	22,614	870,255	507	10/95	50,770	1,066,175	625	10/95	64,719	766,808	503
11/95	22,575	892,830	650	11/95	49,727	1,115,902	645	11/95	69,317	836,155	514
12/95	29,070	921,900	684	12/95	65,594	1,181,496	708	12/95	65,714	901,869	549
01/96	25,751	947,651	700	01/96	71,524	1,253,020	693	01/96	79,911	981,850	547
02/96	23,105	970,756	700	02/96	55,965	1,308,985	705	02/96	66,066	1,047,916	600
03/96	27,107	997,863	654	03/96	70,323	1,379,308	715	03/96	82,140	1,130,106	563
04/96	27,537	1,025,400	766	04/96	74,514	1,453,822	769	04/96	74,215	1,204,351	600
05/96	27,747	1,053,147	756	05/96	79,693	1,533,515	726	05/96	81,676	1,286,027	626
06/96	29,146	1,082,293	753	06/96	78,432	1,611,947	750	06/96	83,816	1,369,913	686
07/96	31,406	1,113,699	774	07/96	82,749	1,694,696	803	07/96	90,577	1,460,430	705
08/96	34,978	1,148,677	814	08/96	92,352	1,787,048	865	08/96	96,102	1,556,532	720
09/96	34,866	1,183,543	813	09/96	91,620	1,878,668	825	09/96	93,613	1,650,215	717
10/96	58,779	1,242,322	797	10/96	82,462	1,961,130	816	10/96	83,410	1,733,665	713
11/96	55,273	1,297,595	849	11/96	90,419	2,051,549	851	11/96	86,113	1,819,808	712
12/96	53,657	1,351,252	853	12/96	76,595	2,128,144	906	12/96	85,118	1,904,966	702
01/97	52,207	1,403,459	876	01/97	91,844	2,219,988	951	01/97	87,219	1,992,225	714
02/97	49,992	1,453,451	862	02/97	75,938	2,295,926	907	02/97	86,811	2,079,046	697
03/97	49,078	1,502,529	861	03/97	58,421	2,354,347	876	03/97	83,565	2,162,601	699