Form 3160-5 (June 1990)

UNITED STATEN.M. Oil Cons. DIV-Dist. 2 DEPARTMENT OF THE INTERIOR. Grand Avenue BUREAU OF LAND MANAGEMENT Artesia, NM 88210

FORM APPROVED

Budget Bureau No. 1004-0135 Expires March 31, 1993

Do not use this form for proposals to drill o	AND REPORTS ON WELL or to deepen or reentry to a do OR PERMIT—" for such prop	ifferent reservoir.	5. Lease Designation and Serial No. NMNM77046 6. If Indian, Allottee or Tribe Name
	IN TRIPLICATE	03413	
1. Type of Well Oil Well Gas Well Other Other		RECEIVED	7. If Unit or CA, Agreement Designation
2. Name of Operator DEVON ENERGY PRODUCTION COMPA	NY, LP.	SEP 0 9 2004	Well Name and No. NORTH PURE GOLD 8
Address and Telephone No. 20 NORTH BROADWAY, SUITE 1500, OI	KLAHOMA CITY, OKLAHOMA 731		FEDERAL 11 9. API Well No.
4. Location of Well (Footage. Sec., T., R., M., or Survey SEC 8 T23S R31E NWSE 1400' FSL 1540 F			30-015-32619 10. Field and Pool, or Exploratory Area LOS MEDANOS DELAWARE 11. County or Parish, State EDDY COUNTY, NM
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION	·	TYPE OF ACTION	
Notice of Intent	Abandonment Recompletion		Change of Plans New Construction
Subsequent Report	Plugging Back	!	Non-Routine Fracturing
Final Abandonment Notice	Casing Repair Altering Casing Other		Water Shut-Off Conversion to Injection Dispose Water Note: Report results of multiple completion on Well
13. Describe Proposed or Completed Operations (Clearly state all subsurface locations and measured and true vertical depths		cluding estimated date of starting any	ompletion or Recompletion Report and Log form.)
DEPCO is submitting a request to convert application attached and letter of approval			ance. Please find a copy of C108
		S	PROVED EP - 7 2004 LES BABYAK OLEUM ENGINEER
14. I hereby certify that the foregoing is true and correct			
Signed Ronnie Slack	Ronnie Slac	ck g <u>Technician</u>	Date 9/3/04
(This space for Federal or State office use)			
Approved by	Title		Date
Title 18 U.S.C. Section 1001, makes it a crime for any person know to any matter within its jurisdiction.	vingly and willfully to make to any departme	ent or agency of the United States any	false, fictitious or fraudulent statements or representation



Devon Energy Corporation 20 North Broadway Oklahoma City, Oklahoma 73102-8260

May 4, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

RECEIVED

SEP 0 9 2004

988-ARTESIA

RE:

Form C-108, Application for Authorization to Inject

North Pure Gold 8 Federal 11

Eddy County, NM Section 8, T23S, R31E

Gentlemen:

Please find attached Devon Energy Production Company, LP's Form C-108, Application for Authorization to Inject. Devon wishes to take produced waters from the Delaware sand and re-inject back into the Delaware sand for pressure maintenance purposes using the North Pure Gold 8 Federal 11.

If you have any questions, please contact Jim Blount at (405)-228-4301 or myself at (405)-552-4615. Thank you for your cooperation in this matter.

Sincerely,

Ronnie Slack

Engineering Technician

Ronnie Slack

RS/rs

Enclosure

cc: OCD, Artesia Office

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery X Pressure Maintenance Application qualifies for administrative approval? X Yes No	Disposal	Storage
II.	OPERATOR:Devon Energy Production Company, LP		
	ADDRESS:20 North Broadway, Suite 1500, Oklahoma City, Oklahoma 73102		<u>. </u>
	CONTACT PARTY:Ronnie SlackPHONE:	_405-552-4615	
III.	WELL DATA: Complete the data required on the reverse side of this form for each well propagation and the state of the stat	posed for injection.	RECEIVED SEP 0'9 2004
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:	•	BP-ARTESIA
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection we drawn around each proposed injection well. This circle identifies the well's area of review.	ell with a one-half r	nile radius circle
VI.	Attach a tabulation of data on all wells of public record within the area of review which pene Such data shall include a description of each well's type, construction, date drilled, location, schematic of any plugged well illustrating all plugging detail.		
VII.	Attach data on the proposed operation, including:		
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receivin produced water; and, If injection is for disposal purposes into a zone not productive of oil or gas at or within o chemical analysis of the disposal zone formation water (may be measured or inferred fro wells, etc.). 	ne mile of the propo	sed well, attach a
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail depth. Give the geologic name, and depth to bottom of all underground sources of drinking total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection known to be immediately underlying the injection interval.	water (aquifers cont	aining waters with
IX.	Describe the proposed stimulation program, if any.		
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the D	ivision, they need n	ot be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and injection or disposal well showing location of wells and dates samples were taken.	d producing) within	one mile of any
XII.	Applicants for disposal wells must make an affirmative statement that they have examined a data and find no evidence of open faults or any other hydrologic connection between the dissources of drinking water.	vailable geologic an posal zone and any	d engineering underground
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.		
XIV.	Certification: I hereby certify that the information submitted with this application is true and and belief.	correct to the best o	f my knowledge
	NAME:Ronnie SlackTITLE:	Engineering Tech	nician
	NAME:Ronnie Slack	ATE: 5/4/04	/
*	E-MAIL ADDRESS:Ronnie.Slack@DVN.com	unitted, it need not h	e resubmitted
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Offic		

JII. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

OPERATOR:Devon Energy Production Company, LP				
WELL NAME & NUMBER:North Pure Gold 8 Federal 11				
WELL LOCATION: 1400 FSL & 1540 FEL FOOTAGE LOCATION	J UNIT LETTER	Sec 8 SECTION	T23S TOWNSHIP	R31E RANGE
WELLBORE SCHEMATIC		WELL CO	WELL CONSTRUCTION DATA] MASS.
		Danac Casing		
	Hole Size: _17-1/2"		Casing Size: 13-3/8"	/8"
	Cemented with:4	490sx.	or	ft ³
	Top of Cement:Su	Surface	Method Determined: Circ. cement	Circ. cement
		Intermediate Casing	Casing	
	Hôle Size:11"		Casing Size: 8-5/8"	/8"
	Cemented with:1090	0sx.	or	ft³
	Top of Cement:S	Surface	Method Determined: Circ cement_	Circ cement_
		Production Casing	Casing	
	Hole Size:7-7/8"_		Casing Size:	5-1/2"
	Cemented with: 800	0sx.	or	ft ³
	Top of Cement: 3900'	00'	Method Determined: _Temp Survey	_Temp Survey
	Total Depth:816	60'		
		Injection Interval	terval	
	7900	feet	to7933'	

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

5.		4.	$\dot{\imath}$	2.		•		9	Pa	Ty	
Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:	The well is perforated in the Delaware-Cherry Canyon from 7256' to 7530'. The Cherry Canyon perfs will be squeezed with cement. The well is also perforated in the Delaware-Lower Brushy Canyon from 7900' to 7933'. The Delaware-Lower Brushy Canyon is the proposed injection zone.	Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.	Name of Field or Pool (if applicable): Los Medanos	Name of the Injection Formation: Delaware-Lower Brushy Canyon	If no, for what purpose was the well originally drilled? Producing Oil Well	Is this a new well drilled for injection? YesX_No	Additional Data	Other Type of Tubing/Casing Seal (if applicable):	Packer Setting Depth:7850'	Type of Packer: 5-1/2" Lok Set	Tubing Size: 2-7/8", 6.5# Lining Material: IPC

Delaware-Cherry Canyon at 5014', Delaware-Brushy Canyon at 6652, Bone Spring at 7973', Morrow at 13966'. The Bone Spring is not productive in the area of review.

North Pure Gold 8 Federal 11 APPLICATION FOR INJECTION Form C-108 Section III

III. Well Data--On Injection Well

A. Injection Well Information

<u>Lease</u>

North Pure Gold 8 Federal

Well No

Location

1400' FSL & 1540' FEL Section 8, T23S, R31E

Sec,Twn,Rnge Cnty, State

Eddy County, New Mexico

(2) Casing

13-3/8", 48#, H40, @ 461' in 17-1/2" hole. Cmt'd w/ 490 sxs.

TOC @ surface. Cement circulated.

8-5/8", 32#, J55, @ 4056' in 11" hole. Cmt'd w/ 1090 sxs.

TOC @ surface. Cement circulated.

5-1/2", 15.5# & 17#, J55, LT&C, @ 8160', Cmt'd w/ 800 sxs.

TOC @ 3900', determined by Temp Survey (3/7/03)

(3) Injection Tubing

2-7/8", 6.5#, IPC run to +/- 7850'

<u>Packer</u>

5-1/2" Lok Set @ +/- 7850"

B. Other Well Information

(1) Injection Formation:

Delaware-Lower Brushy Canyon

Field Name:

Los Medanos

(2) Injection Interval:

7900' to 7933' (cased hole, perforated)

(3) Original Purposed of Wellbore:

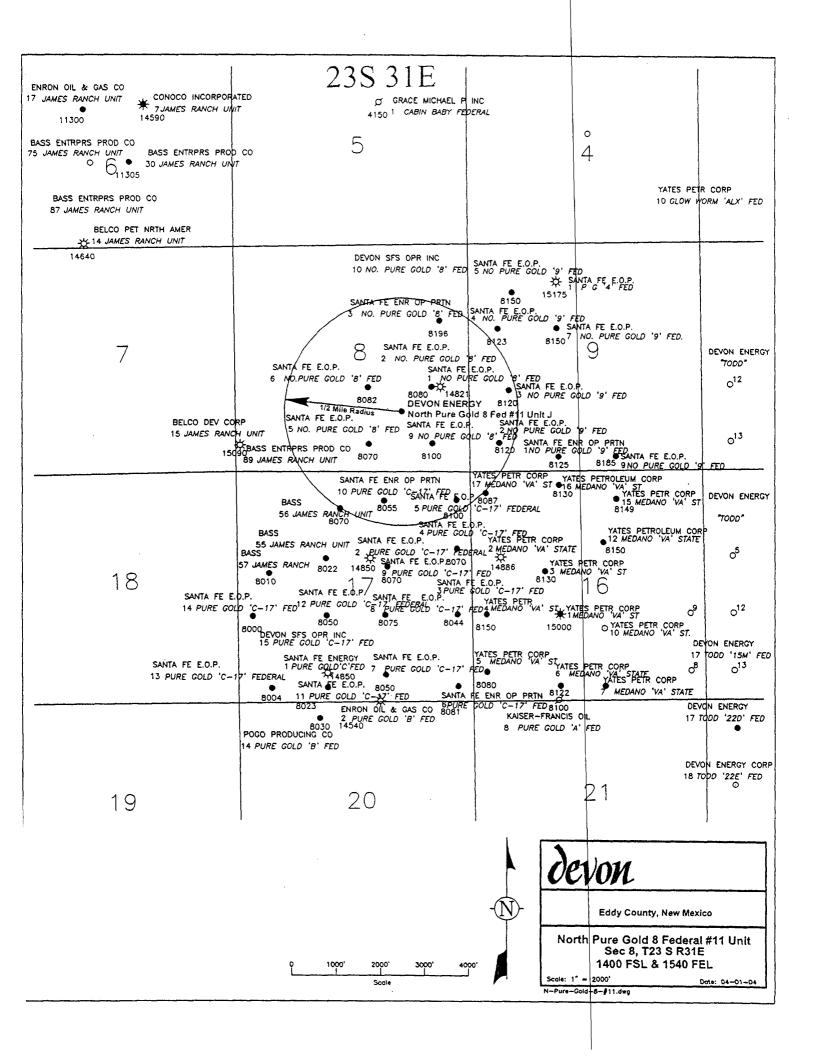
The North Pure Gold 8 Federal 11 was drilled and completed 3/20/03 as an oil producer in the Delaware-Lower Brushy Canyon formation at 7900' to 7933'. The well tested 5 BO, 9 MCFD. & 226 BWD. The well was producing 6 BOD, 37 MCFD, and 21 BWD by March 2004. Perforations were added in the Delaware-Cherry Canyon from 7256' to 7267' and 7520' to 7530' in March 2004. Only 1% oil cut was swabbed after adding perforations. The well is currently shut in.

(4) Other perforated intervals:

The well is currently perforated in the Delaware-Cherry Canyon from 7256' to 7267' and 7520' to 7530'. The well is also perforated in the Delaware-Lower Brushy Canyon at 7900' to 7933'. TOC on the 5-1/2" production casing is at 3900' determined by Temp. Survey. The Delaware-Cherry Canyon perforations will be squeezed with cement and isolated from Delaware-Lower Brushy Canyon injection perfs with a packer at +/- 7850'.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well if any.

The next lower oil zone is the Bone Spring at 7973', but is unproductive in the area of the proposed well.



	DDUCTION COMPANY, LP Abulation in Review Area Well Name	API NO	Sec Twn Range				•						
	Well Name	1	Twn			0	•				ļ	 	
Prod Co LP				Туре	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval	Casing Program	тос
	North Pure Gold 8 Fed 1	30-015-26296	8 T23S R31E	Gas	ACT	3/24/1990	7/4/1990	14821	14703	Morrow	13966' - 13986'	13-3/8", 48#, @ 628, w/ 800 sxs 9-5/8", 40#, @ 4125, w/2500 sx 7", 29&26#, @ 11718', w/1100 sxs 4-1/2", @ 11380 to 14820, w/510 sxs	Surf Surf 5140' liner top
			8									13-3/8", 48#, @ 605, w/ 600 sxs	Surf Surf
Prod Co LP	North Pure Gold 8 Fed 2	30-015-27597	T23S R31E	Oil	ACT	1/28/1994	2/25/1994	8080	8035	Delaware	7870' - 7910'	8-5/8", 32#, @ 4096', w/1850 sx 5-1/2", 15.5&17#, @ 8080', w/1700 sxs	3520-log
Prod Co LP	North Pure Gold 8 Fed 3	30-015-27610	8 T23S R31E	Oil	ACT	2/12/1994	3/27/1994	8196	8134	Delaware	7864' - 7930'	13-3/8", 48#, @ 582, w/ 600 sxs 8-5/8", 32#, @ 4068', w/1900 sx 5-1/2", 15.5&17#, @ 8196', w/1150 sxs	Surf Surf 3050-log
			8 T23S				11/13/1993			Delaware	7860' - 7900'	13-3/8", 48#, @ 590, w/ 350 sxs 8-5/8", 32#, @ 4045', w/2200 sx 5-1/2", 15.5&17#, @ 8070', w/895 sxs	Surf Surf 3416-log
Prod Co LP	North Pure Gold 8 Fed 5 . North Pure Gold 8 Fed 6	30-015-27598	8 T23S R31E	Oil	ACT	2/10/1994	3/24/1994	8082	8000	Delaware	7822' - 7890'	13-3/8", 48#, @ 584, w/ 600 sxs 8-5/8", 32#, @ 4016', w/1900 sx 5-1/2", 15.5&17#, @ 8082', w/900 sxs	Surf Surf 3456-log
Prod Co LP	North Pure Gold 8 Fed 9	30-015-27600	8 T23S R31E	Oil	ACT	10/5/1993		8100		Delaware	7880' - 7910'	13-3/8", 48#, @ 585, w/ 600 sxs 8-5/8", 32#, @ 4072', w/2100 sx 5-1/2", 15.5&17#, @ 8010', w/1095 sxs	Surf Surf 2800-log
Prod Co LP	North Pure Gold 8 Fed 11	30-015-32619	8 T23S R31E	Oil	SI	2/10/2003			8056	Delaware-Cherry Canyon Delaware-Brushy Canyon	7256' - 7530' 7900' - 7933'	13-3/8", 48#, @ 461' w/490 sxs 8-5/8", 32#, @ 4056' w/ 1090 sxs 5-1/2", 15.5# & 17#, @ 8160' w/800 sxs	Surf Surf 3900'-log
Prod Co LP	North Pure Gold 9 Fed 2	30-015-27479	9 T23S R31E	Oil	ACT	5/29/1994	6/23/1994	8120	8076	Delaware	7900' - 7940'	13-3/8", 48#, @ 425, w/ 351 sxs 8-5/8", 32#, @ 3998', w/1000 sx 5-1/2", 15.5&17#, @ 8120', w/675 sxs	Surf Surf 3500-log
Prod Co LP	North Pure Gold 9 Fed 3	30-015-27442	9 T23S R31E	Oil	ACT		7/15/1993	8120	8073	Delaware	7920' - 7976'	13-3/8", 48#, @ 590' w/800 sxs 8-5/8", 32#, @ 4090' w/ 1800 sxs 5-1/2", 15.5# & 17#, @ 8120' w/1160 sxs	Surf Surf 2720-log
			17 T23S R31E	Oil						Delaware	7904' - 7954'	13-3/8", 48#, @ 588' w/800 sxs 8-5/8", 32#, @ 4084' w/ 2100 sxs 5-1/2", 15.5# & 17#, @ 8100' w/1160 sxs	Surf Surf 3210-log
TOU OU LE			17 T23S									13-3/8", 48#, @ 570, w/ 800 sxs 8-5/8", 32#, @ 4082', w/2300 sx	Surf Surf 2972-log
21015	North Pure Gold C-17 Fed 10	30-015-2/393	 	J OII	ACI	111011990	0/0/1993	3033	3007	Delaware	1007 7000	13-3/8", 48#, @ 425' w/350 sxs	Surf Surf
Prod	Co LP	Co LP North Pure Gold C-17 Fed 5 Co LP North Pure Gold C-17 Fed 10		Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E 17 T23S	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993 8/8/1993	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 8100 Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993 8/8/1993 8055	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 8100 8080 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993 8/8/1993 8055 8007	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 8100 8080 Delaware 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993 8/8/1993 8055 8007 Delaware	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 8100 8080 Delaware 7904' - 7954' 17 T23S Co LP North Pure Gold C-17 Fed 10 30-015-27393 R31E Oil ACT 7/15/1993 8/8/1993 8055 8007 Delaware 7854' - 7900'	Co LP North Pure Gold C-17 Fed 5 30-015-27392 R31E Oil ACT 5/6/1993 5/30/1993 8100 8080 Delaware 7904' - 7954' 5-1/2", 15.5# & 17#, @ 8100' w/1160 sxs 17

		ODUCTION COMPANY, LP abulation in Review Area												
	Operator	Well Name	API NO	Sec Twn Range	Туре	Status	Spud Date	Comp Date	TD	PBTD	Comp Zone	Comp Interval	Casing Program	тос
3	Yate Petroleum Corp	Medano VA ST 17	30-015-27325	16 T23S R31E	Oil	ACT	4/26/1993	5/25/1993	8087	8026	Delaware		13-3/8", 54.5#, @ 505' w/475 sxs 9-5/8", 36# & 40#, @ 3995' w/ 1450 sxs 5-1/2", 15.5# & 17#, @ 8087' w/1205 sxs	Surf Surf 718'-calc

North Pure Gold 8 Federal 11 APPLICATION FOR INJECTION Form C-108 Section VII to XII

VII Attach data on the proposed operation, including:

(1) Proposed average injection rate:

500 BWPD

Proposed maximum injection rate:

800 BWPD

- (2) The system will be a closed system.
- (3) Proposed average injection pressure:

800 psi

Proposed max injection pressure:

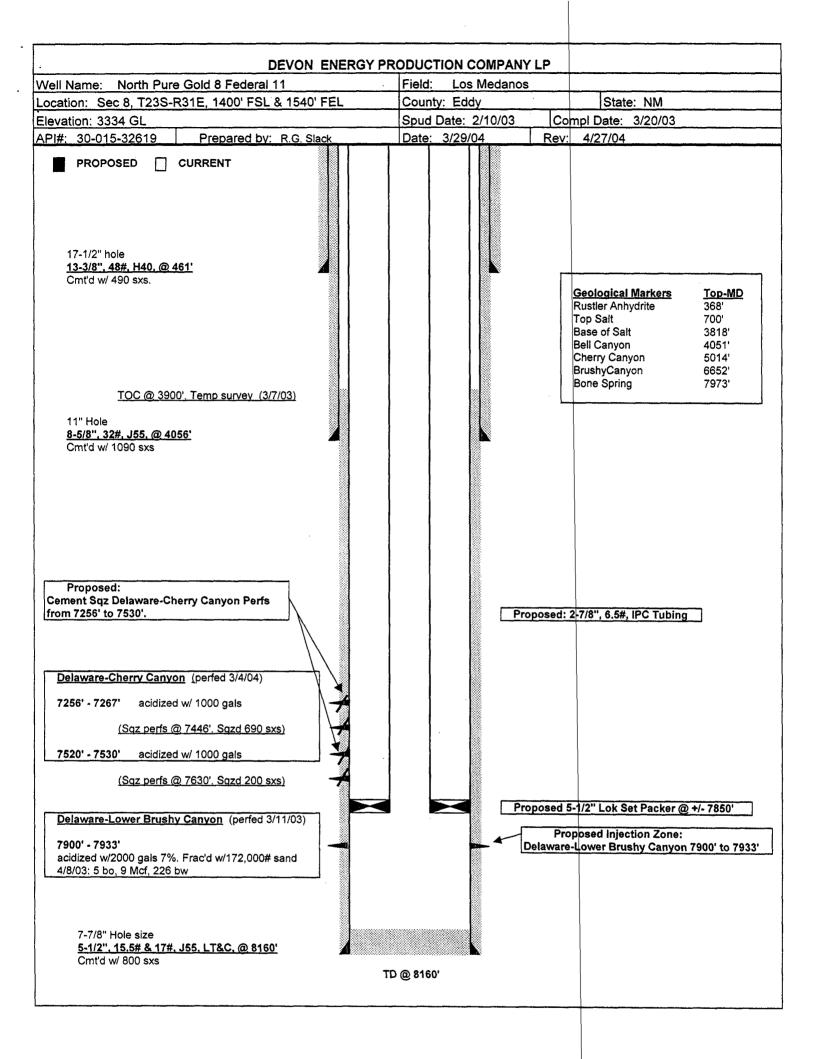
1000 psi

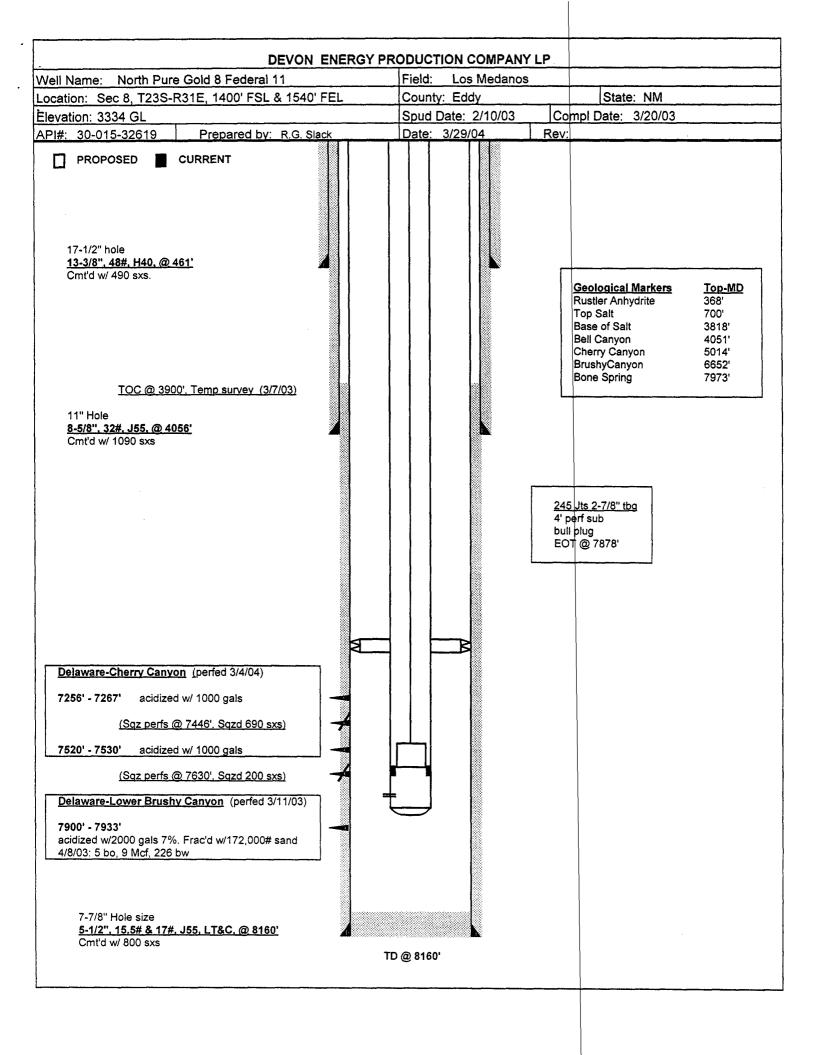
- (4) The proposed injection fluid is produced water from the Delaware that will be re-injected into the Delaware.
- (5) Disposal zone formation water analysis: <u>Delaware-Lower Brushy Canyon</u> water analysis is attrached.

VIII The proposed injection interval is located in the Delaware formation. This Permian age reservoir is approximately 250 feet thick in this area. The injection interval is from 7900' to 7933'.

No wells using fresh water drinking aquifers are reported in the proposed well review area. The closest well used for commercial purposes is the Mills Ranch #2492 located in Section 6, T23S, R31E. This well encounters water at a depth of 85 feet. The well depth is 135 feet. The Well / Surface Data Report is attached as obtained from the New Mexico Office of the State Engineer.

- IX There is no proposed stimulation program for the injection interval.
- X Logging & test data have previously been submitted to the OCD.
- XI No resh water wells are reported within one mile of proposed conversion well. This information per New Mexico Office of the State Engineer is attached.
- An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.





						New Me	xico Offi	ce of the	State E	ngir	eer			······································					 		
						WELL / S	URFACE	DATA RE	PORT	5/4	2004										t
					-	Fownship 2	23S, Ran	ge 31E,	All Sect	ion	Searc	h									
í																		I			
						(quarters are	1=NW	2=NE	3=SW		4=	SE)									-
		ft per annum				quarters are b	iggest to sr	nallest				XΥa	are in Feet	UTM are in	Meters)		Start	Finish	Depth	Depth (in f	eet)
DB File Nbr		Diversion Owner		W	·		Tws	Rng	Sec	qp	q	q		UTM_Zone	Easting	Northing	Date	Date		Water	
	STK		Y PARTNERSHIP	С	2348		23S	31E	26	3	2	i		13	617704	3571241	4/1/1947	4/1/1947	500		
	СОМ	105 MILLS RANCH	·	С	2492	Shallow	238	31E	6	4	4	4	1	13	612101	3577113		12/31/2048	135	85	ļ — —
	SAN	3 POGO PROD	UCING COMPANY	С	2602		238	31E	35	2	2			13	618518	3570446			450		
C 02664	MON	0 SANDIA NATI	ONAL LABORATORIES	С	2664		238	31E	5	2	3		3	13	613094	3577928		5/31/1974	4299		
	MON	0 U.S. DEPT. O	F ENERGY, WIPP	С	2725		238	31E	5	1	1	1		13	612286	3578521		12/31/1978	532		
	MON		F ENERGY - WIPP	С	2773		23S	31E	3	3	1	4	l l	13	615713	3577551		12/31/1987	880		
	MON	0 U.S. DEPT. O	F ENERGY - WIPP	С	2774		23S	31E	4.	3	1	3	3	13	613902	3577535		12/31/1976	1660		
C 02775	MON	0 U.S. DEPT. O	F ENERGY - WIPP	C	2775		23S	31E	5	1	1	1		13	612286	3578521		12/31/1978			
C 02776	MON	0 U.S. DEPT. O	F ENERGY - WIPP	C	2776		23S	31E	5	1	1	2	2	13	612486	3578521		12/31/1978	661		
C 02777	MON	0 U.S. DEPT. O	F ENERGY - WIPP	С	2777		23S	31E	15	2	2	2		13	616950			12/31/1983	1001		
C 02865	EXP	0 STACY MILLS		С	2865	Shallow	23S	31E	6	4	4	4		13	612101	3577113	8/27/2001		174		
C 02954	EXP	0 U.S. DEPART	MENT OF ENERGY CARL	С	02954 EXPL	Shallow	23S	31E	20	4	1	3		13	613159	3572701	6/25/2003	7/29/2003			

Record Count: 12

Affidavit of Publication

State of New Mexico, County of Eddy, ss.

Dawn Higgins, being first duly sworn, on oath says:

That she is Business Manager of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

March 31

2004

2004

2004

That the cost of publication is \$ 38.37
and that payment thereof has been made and will be assessed as court costs.

Dair direction

Subscribed and sworn to before me this

31 day of March, 2004

My commission expires 12-13-05

Notary Public

March 31, 2004

Legal Notice

Devon Energy Production Company. LP. 20 North Broadway, Ste 1500, Oklahoma City, OK 73102 has filled form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division asseking administrative approval for an injection well. The proposed well North Pure Gold B Federal #11, located 1400' FSL & 1640' FEL of Unit J. Section 8, Township 23 South, Range 31 East of Eddy County, New Mexico, with be used for saltwater disposal. Disposal waters from the Delaware Sand will be re-injected into the Delaware Sand at a depth of 7900'-7933' with a maximum pressure of 1000 psi and a maximum rate of 500 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days, Additional information can be obtained by contacting Jim Bloum at (405) 228-4301.



Water Analysis

Date: 02-Jun-03

2708 West County Road, Hobbs NAI 88240 Phone (505) 392-5556 Fix: (505) 392-7307

Analyzed For

Company	THE REAL PROPERTY.	Vell Name	يون بالمستخدين	County	Sto	
Devan	Ful	e Gold 8-11		Len	New IV	exico
Sample Source	Swab Sar	nple	Sample #		1	
Formation			Depth			
Specific Gravity	1.195		SG	ტ 80 °F	1.1	97
рН	7.37			Sulfides	Abs	ent
Temperature (*F)	71		Reducing	Agents	1	
Cations						
Sodium (Calc)	*** * ********	in Mg/L	70,031	in PPM	58	496
Calcium		in Mg/L	39,600	in PPM	33	,077
Magneslum		in Mg/L	360	in PPM	8	02
Soluable Iron (FE2)		in Mg/L	25.0	in PPM	' :	1
Anions						
Chlorides		in Mg/L	180,000	in PPN	1 150	,351
Sulfates		in Mg/L	200	in PPN	1 1	67
Bicarbonates		in Mg/L	146	in PPN	1 1	22
Total Hardness (as CaC) ()	in Mg/L	103,000	în PPN	7 86	,034
Total Dissolved Solids (C	elcj	in Mg/L	290,962	In PRIV	1 24:	acq,
Equivalent NaCl Concent	tration	in Mg/L	241,990	in PPN	202	2,130
Scaling Tendencies						
Calcium Carbonate Index	-				5,797,4	40
Below 500.0	00 Remate / 500	,000 - 1,000,00	10 Possible / Abov	o 1,000,000 Proba	blo	-
Calcium Sulfate (Gyp) In					7,920,0	00
				10,000,000 Proba		
This Calculation is only on ap, reaument.	proximation on	d is only valld	before treatmen	f of a well or save	ral weeks	after
Remarks rw=.08@	711	····				

Report #

1288

17:27 B. SERVICES-HOBBS DISTRICT

(X)\$05 392 7307



Water Analysis

Date: 31-Mar-03

2708 West County Road, Hobbs NM 88240 Phone (505) 392-5556 Fax (505) 392-7307

Analyzed For

103	ompany Davon		Vell Name Pure Gold 8		unty ea	New Mexico
Sample	Source			Sample #		,
- }		Swab Sar	mpie	Sample #		1
Forma	tion			Depth		
Sp	ecific Gravity	1,155		SG @	60 °F	1.158
	ДH	8.14			ilfides	Absent
Tem	perature (°F)	76		Reducing A	gents	;
Cations	.					;
Sodium (Caic)		in Mg/L	50,280	in PPI	M 43,419
Calcium			in Mg/L	19,200	in PPI	/ 16,580 ¹
Magnesiy			in Mg/L	10,080	in PPI	1 8,705
Soluable	Iron (FE2)		in Mg/L	5,0	in PPI	1 4 .
Anions						1
Chlorides	,		in Mg/L	140,000	in PP	M 120,898
Sulfates			in Mg/L	250	in PP	
Bicarboni	ates		in Mg/L	917	in PP	M 792 ;
,	dness (as CaC		in Mg/L	000,00	In PP	M 77,720
,	solved Solids (C		în Mg∕L	220,732	în PP.	M 190,615
Equivaler	nt NaCl Concern	tration	in Mg/L	197,800	in PP	M 170,812
caling	Tendencies					
Calcium	Carbonata Inda:					17,614,848
			0,000-1,000,00	O Possible / Above 1	,000,000 Prob	adla i
Calcium :	Sulfate (Gyp) In					4,800,000
1				O Possible / Above 10		
This Caicul natment.	ation is only on op,	proximadon an	d is only valid	bafore treatment p	la well or suv	roral wooks after
Remark	s rw=.22@	75f				
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;						;
eport #	1233					

Application For Injection
Devon Energy Prod Co LP
North Pure Gold 8 Federal 11
Form C-108 Section XIV

Proof of Notice to Surface Owner

J.C. & Francis Mills Family Partnership P.O. Box 190 Abernathy, TX 79311

A copy of this application has been mailed to the above surface land owner by cerfified mail, pertaining to Devon Energy's application for salt water disposal in the North Pure Gold 8 Federal 11.

Date:

Date Mailed: 5/4/04

Signature: <u>Konnu</u>

Ronnie Slack, Engineering Technician Devon Energy Production Co., L.P. 20 N. Broadway, Suite 1500 Oklahoma City, OK 73102

- Application For Injection
- Devon Energy Prod Co LP
 North Pure Gold 8 Federal 11
- Form C-108 Section XIV

Proof of Notice to Leasehold Operators within 1/2 mile of North Pure Gold 8 Federal 11

Bass Enterprises Production Company P.O. Box 916110 Fort Worth, TX 76191-6110

Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210

A copy of this application has been mailed to the above leasehold operators by cerfified mail, pertaining to Devon Energy's application for salt water disposal in the North Pure Gold 8 Federal 11.

5/4/04

Date:

Date Mailed: 5/4/04

Ronnie Slack, Engineering Technician Devon Energy Production Co., L.P.

20 N. Broadway, Suite 1500 Oklahoma City, OK 73102



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

RECEIVED

Mark Fesmire, P.E.

Director

Oil Conservation Division

SEP 0 9 2004

CONTACTES IAADMINISTRATIVE ORDER SWD-925

APPLICATION OF DEVON ENERGY PRODUCTION COMPANY, LP FOR PRODUCED WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Devon Energy Production Company, LP made application to the New Mexico Oil Conservation Division on May 7, 2004, for permission to utilize for produced water disposal its North Pure Gold 8 Federal Well No. 11 (API No. 30-015-32619) located 1,400 feet from the South line and 1,540 feet from the East line of Section 8, 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 is hereby authorized to utilize its North Pure Gold 8 Federal Well No. 11 (API No. 30-015-32619) located 1,400 feet from the South line and 1,540 feet from the East line of Section 8, Township 23 South, Range 31 East, NMPM, Eddy County, New Mexico, in such manner as to permit the injection of produced water for disposal purposes into the Lower Brushy Canyon member of the Delaware formation from 7,900 feet to 7,933 feet through 2-7/8 inch plastic-lined tubing set in a packer located within 100 feet above the top perforation.

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.

As preparation and prior to injection, the existing Cherry Canyon perforations at 7256 to 7530 shall be squeezed with cement, the squeeze plug drilled out, and the casing pressure tested to the satisfaction of the Artesia office of the Division.

After installing injection tubing and 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 wellhead injection pressure on the well shall be limited to **no more than 1,580 psi**. In addition, the injection well or system shall be equipped with a pressure limiting device in workable condition which shall, at all times, limit surface injection pressure to the maximum allowable pressure for this well.

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 injection 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 any 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 is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

Administrative Order SWD-925 Devon Energy Production Company, LP June 2, 2004 Page 3 of 3

The operator shall provide written notice of the date of commencement of injection to the Artesia district office of the Division. The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1120 of the Division Rules and Re1580gulations.

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 2nd day of June 2004.

MARK E. FESMIRE, P.E.

Director

MEF/wvjj

cc:

Oil Conservation Division – Artesia Bureau of Land Management – Carlsbad