

Donald W. Johnson Division Manager Production Department Hobbs Division North American Production Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

COLLEGAL COLLEGAL



February 5, 1985

New Mexico Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87501

Gentlemen:

Convert 13 MCA Unit Wells To Water Injection Wells

Conoco Inc. respectively requests authority to convert the 13 MCA Unit wells shown on the attached page to active water injection wells. The additional injection wells will increase the total effective input into nonswept zones.

The proposed average daily injection rate will be 105 BWPD with a maximum rate of 200 BWPD. Proposed average injection pressure will be 2000 psi surface pressure with a maximum pressure of 2150 psi. No fresh water wells exist within one mile of the proposed injection wells.

During conversion procedures, we plan to acidize with 3000 gallons 10 weight percent acetic acid with 1 percent mutual solvent.

This application is consistent with operations being conducted in the MCA Unit and administrative approval is requested.

Yours very truly,

Sound My Johnson

RCB: jr

Convert 13 MCA Unit Wells To Injection

Well Number	Location	St at us
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122	660' FNL & 660' FEL, Section 27	Oil
156	2580' FNL & 2595' FWL, Section 29	S.I.
182	2615' FSL & 2570' FEL, Section 27	S.I.
202	660' FSL & 660' FWL, Section 26	Oil
282	1295' FNL & 2615' FWL, Section 27	Oil
299	175' FNL & 1295' FWL, Section 27	Oil
311	1295' FNL & 2615' FWL, Section 26	S.I.
318	25' FNL & 1295' FEL, Section 28	Oil
327	1225' FSL & 2615' FEL, Section 22	Oil
346	55' FSL & 1200' FWL, Section 27	Oil
349	75' FSL & 1295' FWL, Section 23	Oil
350	2615' FSL & 1295' FWL, Section 26	oil

I.	Purpose: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Types Ino
11.	Operator: Conoco Inc.
	Address: P. O. Box 460, Hobbs, NM 88240
	Contact party: Coleen Bose Phone: 393-4141
111.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? yes no If yes, give the Division order number authorizing the project
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a 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 receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
III.	Attach appropriate geological data on the injection zone including appropriate lithological, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
х.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
III.	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 correcto the best of my knowledge and belief.
	Name: Robert Gault/ Title Division Administrative Manage
	Signature: Chulf Midf 4 Date: 1-16-85

of the earlier submittal. Well logs were submitted for each well when completed.

III. 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 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 Dil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

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

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.

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Production Department Hobbs Division North American Production Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

January 16, 1985

Mr. Norman Caswell Route 1 Meadow, Texas 79345

Dear Mr. Caswell:

On October 30, 1984, we notified you of our plans to convert 11 wells in the MCA Unit to water injection for the purpose of secondary recovery. Since that time, we have added 2 wells to be converted, MCA Unit Nos. 349 and 350. Please see the attachment for the list of 13 wells to be converted.

Also attached for your information and file is a copy of our Application for Authorization to inject to the New Mexico Oil Conservation Divison.

Yours very truly,

R. Gault, III

Division Administrative Manager

RCB: jr

Attachments

MCA Unit Wells to be Converted to Water Injection Wells

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Sec. 21, T-17S, R-32E, Lea County, New Mexico
MCA Unit No. 43
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.122
                 Sec. 29, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.156
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.182
                 Sec. 26, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.202
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MCA Unit No.282
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
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MCA Unit No.311
                 Sec. 28, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.318
                 Sec. 22, T-17S, R-32E, Lea County, New Mexico
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MCA Unit No.346
                 Sec. 23, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.349
                 Sec. 26, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.350
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Roger M. Kirk
Division Administrative Manager
Production Department
Hobbs Division
North American Production

Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

October 30, 1984

Mr. Norman Caswell Route 1 Meadow, Texas 79345

Dear Mr. Caswell:

This is to notify you, as required by rule 701(B) of the NMOCD Rules and Regulations, that Conoco Inc. plans to convert 11 wells in the MCA Unit to Water Injection for the purpose of secondary recovery. Please see the attachment for a list of the wells to be converted.

Also attached for your information and file is a copy of our Application for Authorization to Inject to the New Mexico Oil Conservation Division.

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Division Administrative Manager

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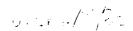
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OIL CONSEF VATION DIVISION POST OFFICE BUX JOHE STATE LAND OFFICE BUILDING BALITA FE, NEW MEXICO B/501

FORM C-108 Revised 7-1-81

I.	Purpose: X recondary Recovery Application qualifies for adminis	Pressure Maintenance Disposal Storage trative approval? X yes no
II.	Operator: Conoco Inc.	
	Address: P. O. Box 460, Hobb	s. NM 88240
	Contact party: John R. Lopez	Phone: 393-4141
III.		ed on the reverse side of this form for each well Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing If yes, give the Division order numb	
٧.	Attach a map that identifies all well injection well with a one-half mile well. This circle identifies the we	ls and leases within two miles of any proposed radius circle drawn around each proposed injection ll's area of review.
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XII.	examined available geologic and engi	ake an affirmative statement that they have neering data and find no evidence of open faults etween the disposal zone and any underground
XIII.	Applicants must complete the "Proof	of Notice" section on the reverse side of this form.
MIV.	Certification	
	I hereby certify that the information to the best of my knowledge and below	n submitted with this application is true and correct of.
	Name: Roger M. Kirk	Title Division Administrative Manage
	Signature: Ross un	Date: 10-30-84





Donald W. Johnson
Division Manager
Production Department
Hobbs Division
North American Production

Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

February 5, 1985

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Santa Fe, NM 87501

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P 335 778 274 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-**NOT FOR INTERNATIONAL MAIL** (See Reverse)

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P 335 779 397 RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED

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P 335 118 211 RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED— NOT FOR INTERNATIONAL MAIL

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P 335 778 275 RECEIPT FOR CERTIFIED MAIL

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RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED-

NOT FOR INTERNATIONAL MAIL

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AFFIDAVIT OF PUBLIC	ATION
State of New Mexico,	
County of Lea.	
1,	
-Robert L. Summer	8
of the Hobbs Daily Newsdaily newspaper publish Hobbs, New Mexico, do s ly swear that the clippi tached hereto was pulonce a week in the regular entire issue of said paper not in a supplement there a period	ed at olemn- ng at- olished ar and r, and
of	
One ,	wee ks .
Beginning with the issue	dated
November 6 19	84
and ending with the issue	dated
November 6	84

Publisher. Sworn and subscribed to before Notary Public. My Commission expires (Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.



EGAL NOTICE Nevember 4, 1904. WATER INJECTION WELLS

Conoco Inc., 726 E. Michigan, P. O. Box 40, Habba, New-Maxico, Phone: 505/393-4141, Mr. D. W. Johnson, Division Mahager of Production, intends for the purposage secondary recovery, to convert the following wells in Lee County to water injection wells.

	•	- 1 919 1	•
Well-Name	Location	Depth	Formation
MCA Unit No. 431	1986 FNL & 1980 FELL Set, 21, T-175, R-32E	4119	Grayburg-San Andres
MCA Unit No. 122	660'FNL & 660'FEL, Sec. 27,1-175,R-32E	4000	Grandurg San Andres
MCA UNIT NEW SE	2500 FIFE, & 2555 FINAL BOX. 20/J-175, R-12E	4060	Grayburg-San Andres
MCA Unit No. 182	2615'FSL & 2570'FEL, Sec.27,T-175,R-325;		Grayburg-San Andres
MCA Unit No. 202	660'FSL & 660'FWL, See:26,T-175,R-32E	4300	Grayburg-San Andres
MCA Unit No. 281	1285'FML & 2015'FWE, Sec. 27, T-175, R-32E	4184"	Grayburg-San Andres
MCA Unit No. 299	175 FMC & 1295 FWL, Sec.27, T-175, R-32E	4200'	Grayburg-San Andres
MCA Unit No. 317	1295'FNL & 2615'FWL; Sec. 26,T-175,R-32E	4325'	Grayburg-San Andres
MCA Unit No. 318	25'FNL & 1295'FEL, Sec.28,T-175,R-32E	4200'	Grayburg-San Andres
MCA Unit No. 327	1225'FSL & 2615'FEL, Sec. 22,T-175,R-32E	4200'	Grayburg-San Andres
	55'FSL & 1200'FWL, Sec. 27, T-175, R-32E	4925'	Gravburg-San Andres
	inject produced water at a rate of approxim		barrels per day with surfac
	2150 psi. Any objections to this intent or req		
	onservation Division, P. O. Box 2088, Santa		
from the date of		,	
	····		

My Commission Expires 3

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.
1,
Robert L. Summers
of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period
of
One weeks.
Beginning with the issue dated
January 24 , 19 85
and ending with the issue dated
January 24 , 19 85
Lout & Summer
Publisher.
Sworn and subscribed to before
me this 25 day of
January, 1985 Vira Muschy
Notary Public
My Commission expires
14, 1988
(SCA)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE

JANUARY 24, 1785.

CONVERT WELLS TO

WATER INJECTION WELLS

Conoco Inc., 726 E, Michigan, P. Q. Box 460, Hobbs, New Mexico, Phone: 505/393-4141, Mr. D. W. Johnson, Division Manager of Production, intends for the purpose of secondary recovery, to conduction, intends for the purpose of secondary recovery, to conduction wells.

Well Name

37 FSL & 1295 FWL, 450' Grayburg-San Andres Sec 23, T-175, R-32E

MCA Unit No. 349 75 FSL & 1295' FWL, 4350' Grayburg-San Andres Sec 24, T-175, R-32E

Operator plans to inject produced water at a rate of approximate by 200 barrels per day with surface pressure of about 2150 psl. Any objections to this intent or request for hearing must be filed with objections to this intent or request for hearing must be filed with the New Mexico Oil Conservation Division, P. O. Box 2088, Santa the New Mexico, 87501 within 15 days from the date of this publication.



Production Department Hobbs Division North American Production Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

January 16, 1985

Mr. Dallas McCasland P. O. Box 206 Eunice, NM 88231

Dear Mr. McCasland:

On October 30, 1984, we notified you of our plans to convert 11 wells in the MCA Unit to water injection for the purpose of secondary recovery. Since that time, we have added 2 wells to be converted, MCA Unit Nos. 349 and 350. Please see the attachment for the list of 13 wells to be converted.

Also attached for your information and file is a copy of our Application for Authorization to inject to the New Mexico Oil Conservation Divison.

Yours very truly,

R. Gault, III

Division Administrative Manager

RCB: jr

Att achments

MCA Unit Wells to be Converted to Water Injection Wells

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Sec. 21, T-17S, R-32E, Lea County, New Mexico
MCA Unit No. 43
MCA Unit No.122
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.156
                 Sec. 29, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.182
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
                 Sec. 26, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.202
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.282
MCA Unit No.299
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.311
                 Sec. 26, T-17S, R-32E, Lea County, New Mexico
                 Sec. 28, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.318
                 Sec. 22, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.327
                 Sec. 27, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.346
                 Sec. 23, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.349
                 Sec. 26, T-17S, R-32E, Lea County, New Mexico
MCA Unit No.350
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