



David L. Wacker
Division Manager
Hobbs Division
Exploration and Production, North America

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

September 27, 1989

Oil Conservation Division
Energy, Minerals and Natural Resources Dept.
Post Office Box 2088
Santa Fe, New Mexico 87504

Attention: Mr. David Catanach

Dear Mr. Catanach:

Jicarilla "30" SWD Well No. 1,
Request to Amend Order SWD-140

In response to your letter of September 15 and as support for amending the Division's Administrative Order SWD-140 to allow injection into the entire Mesa Verde interval from 4846 feet to 5586 feet, we offer the following information.

1. Area of Review - One Half Mile Radius. Exhibit A outlines a map showing all wells within a 1/2 mile radius of the subject well. Exhibit B is a brief description of wells within the 1/2 mile radius which do not penetrate the injection interval and construction information on all wells within the area that penetrate the injection interval.
2. Area of Review - Two Mile Radius. Exhibit C is a map showing all wells within a 2 mile radius of the subject well. There is no Mesa Verde production within this area and there is limited, if not non-existent, Mesa Verde potential. Exhibit D is a review of the Mesa Verde production and potential.
3. Proof of Notice. The only offset operator within a 1/2 mile radius is Meridian Oil Inc. Attached as Exhibit E is a copy of the notification letter sent to Meridian, the certified mailing receipt and their response, indicating they have no objection to our application for a permit to the EPA, which is essentially for the same terms as our request for a revision to the Order.
4. Publication Notice. Exhibit F documents Conoco's placement of a description of our proposed amendment to the existing order in the Rio Grande Sun newspaper in Espanola, Rio Arriba County. We anticipate this will be published October 1 through 7 and will forward a copy of the published article upon receipt.

Oil Conservation Division

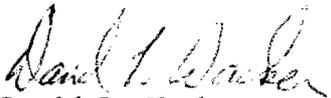
Page 2

September 27, 1989

Also enclosed for your information, is a copy of a graph and supporting data showing the results of the step-rate test which was performed on August 17. The test was run at a maximum stabilized rate of 2.6 barrels per minute with a corresponding pressure of 1880 psi. The consistently increasing pressure with no break-over point indicates that new fractures are not being created nor are existing fractures being propagated.

Thank you for the authorization to resume injection into the well pending amendment of this order. We believe the information provided demonstrates protection of USDW's and protection of the injection interval. If there is any other information required for amending this order, please call Hugh Ingram or Judy McLemore at (505)397-5800.

Yours very truly,

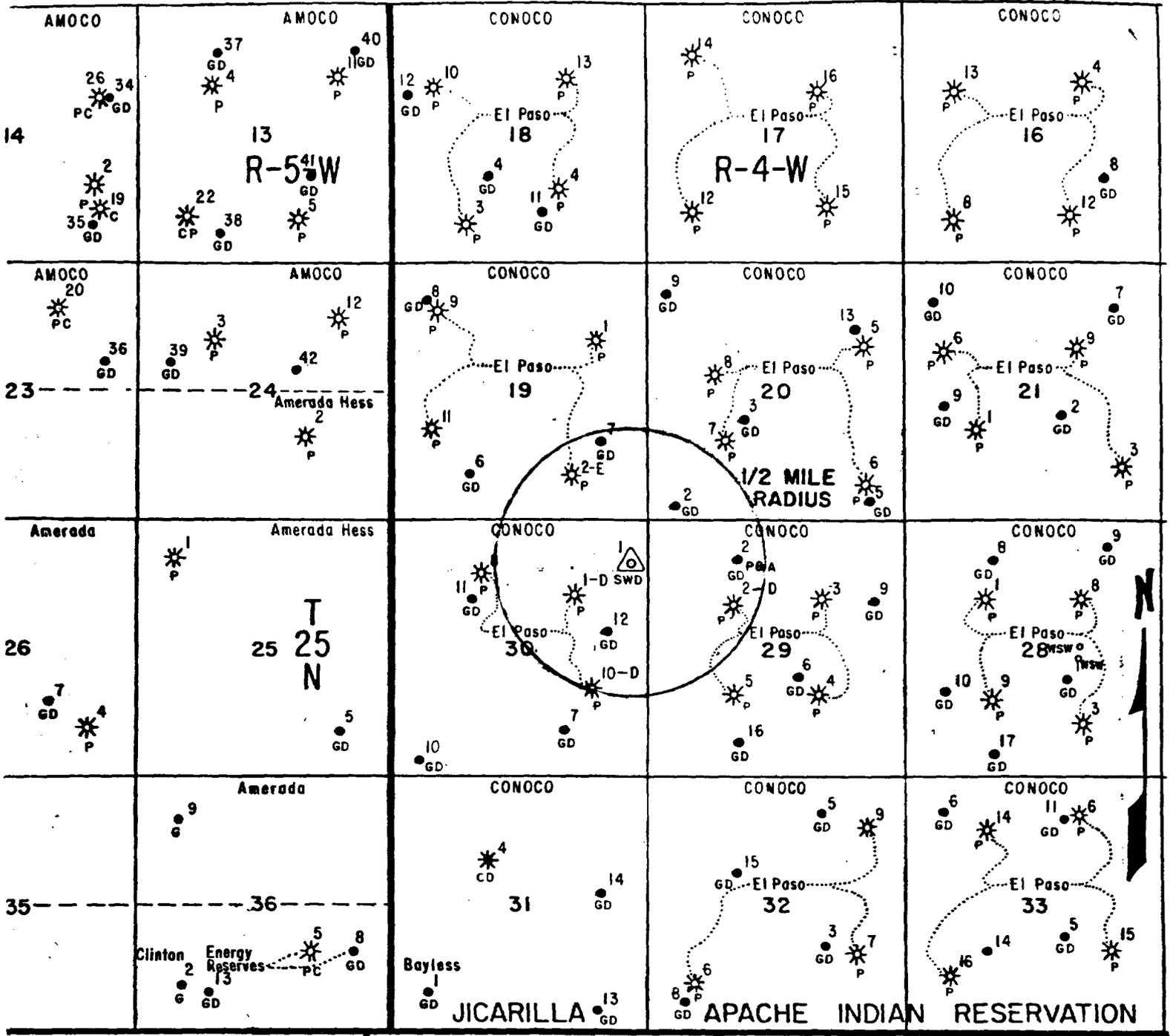


David L. Wacker
Division Manager

JAM/tm

cc:

RLT CMN



- C * Chacra
- D • Dakota
- G • Gallup
- P * Pictured Cliffs
- WSW • Water Supply Well

T
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N

JICARILLA 30 LEASE--WELL NO.1

Rio Arriba County, New Mexico

WELLS WITHIN 1/2 MILE OF INJECTION WELL
NOT PENETRATING THE INJECTION ZONE

WELL NAME:	JICARILLA 2-E
LOCATION:	890' FSL, 1550' FEL, SEC. 19, T25N, R4W
ELEV:	7340' DF
TD:	3663'
PBTD:	3650'
OPERATOR:	Meridian Oil Inc.
WELL NAME:	JICARILLA 2-D
LOCATION:	1750' FNL, 1750' FWL, SEC. 29, T25N, R4W
ELEV:	7023' DF
TD:	3315'
PBTD:	3265'
OPERATOR:	Meridian Oil Inc.
WELL NAME:	JICARILLA NO. 1-D
LOCATION:	1550' FNL, 1500' FEL, SEC. 30, T25N, R4W
ELEV:	7070' DF
TD:	3340'
PBTD:	3260'
OPERATOR:	Meridian Oil Inc.
WELL NAME:	JICARILLA NO. 10-D
LOCATION:	1760' FSL, 1150' FWL SEC 30, T25N, R4W
ELEV:	7032' DF
TD:	3529'
PBTD:	3517'
OPERATOR:	Meridian Oil Inc.

TABULATION OF WELLS WITHIN 1/2 MILE OF INJECTION WELL
WHICH PENETRATE THE INJECTION ZONE

WELL NAME: Jicarilla 30 No. 12 OPERATOR: Conoco Inc. LOCATION: 2210' FNL, 990' FEL, Sec. 30, T25N, R4W Rio Arriba County, NM							
DATE DRILLED: 01/03/79 DATE COMPLETED: 04/26/79 SURFACE ELEV: 7021' DATUM: 14' AGL		TD: 7805' PBTD: 7737' STATUS: ACTIVE		CURRENT PRODUCTION BOPD BWPD MCFD 5 2 96			
HOLE SIZE	CASING RECORD			CEMENT SIZE		TOC	
	SIZE	GRADE	WEIGHT	DEPTH	QUANTITY	CEMENT & ADDITIVES	
12-1/4"	8-5/8"	K-55	24#/ft	0-992'	400 sks	class "B" w/4% gel, 2% CaCl, and 1/4#/sk flocele	surface (circ.)
					150 sks	class "B" w/2% CaCL, and 1/4#/sk flocele	
7-7/8"	5-1/2"	K-55	15.5#/ft	0-	1st Stage:		1820'
			17.0#/ft	7805'	400 sks	liteweight cement w/2% CaCl, .75% CFR-2, 1/4#/sk flakes	temp. survey
	DV TOOL @ 5145				350 sks	class "B" w/2% CaCl, 1/4#/sk flakes	
					2nd Stage:		
					325 sks	liteweight cement w/2% CaCl, 1/4#/sk flakes	
Additional Detail:							
Squeeze Cement through defective DV Tool					300 sks	class "B" w/2% CaCl and 1/10% fluid loss additive	
Formations Open to Wellbore:							
Gallup: 6597', 6599', 6601', 6603', 6628', 6630', 6632', 6634', 6636', 6638', 6665', 6667', 6669' w/ 1 JSPF. Dakota: 7430', 7432', 7434', 7436', 7438', 7440', 7570', 7572', 7574', 7576', 7584', 7586', 7616', 7618', 7620', 7622' w/ 1 JSPF.							

TABULATION OF WELLS WITHIN 1/2 MILE OF INJECTION WELL
WHICH PENETRATE THE INJECTION ZONE

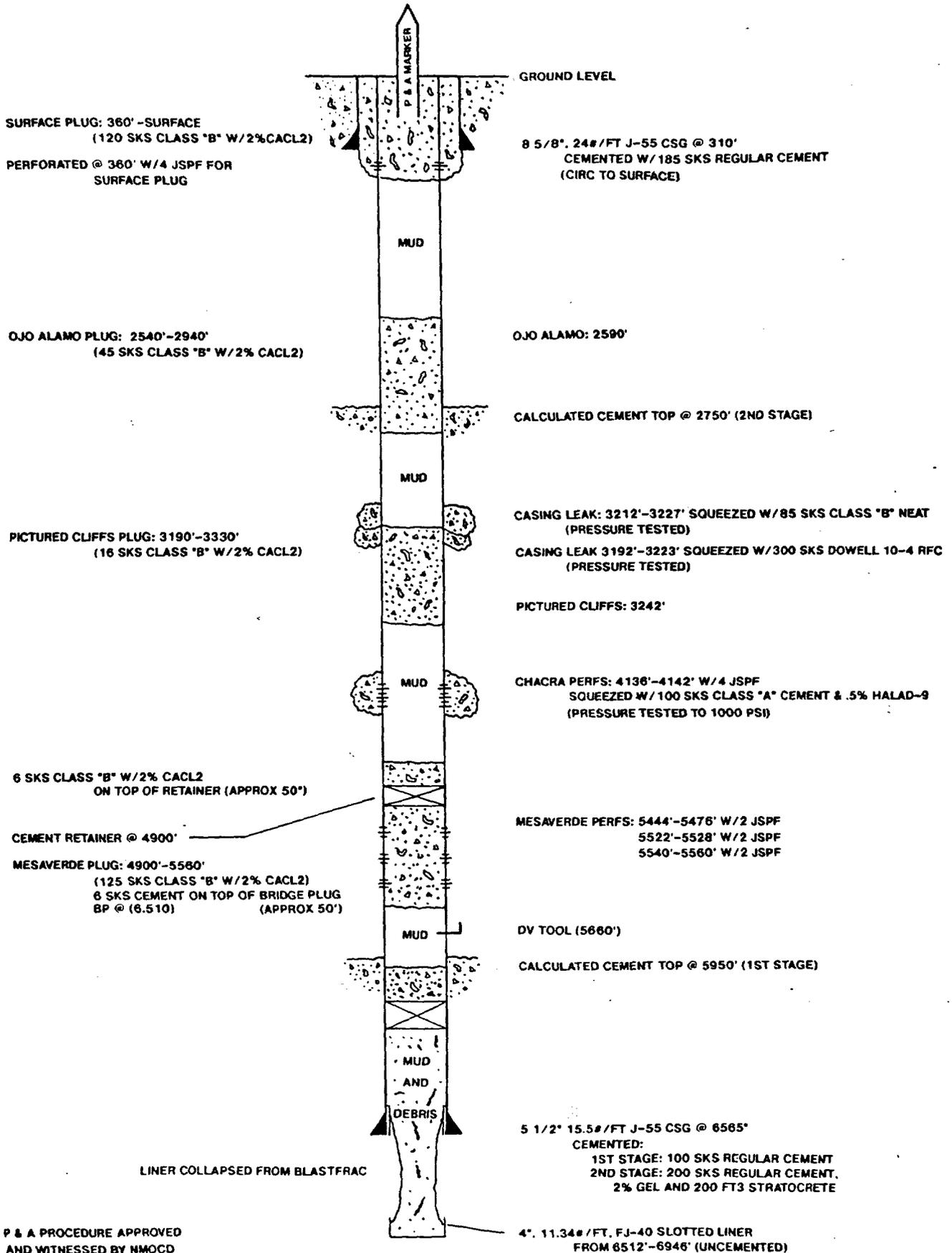
WELL NAME: Jicarilla 20 No. 2 OPERATOR: Conoco Inc. LOCATION: 349' FSL, 596' FWL, Sec. 20, T25N, R4W Rio Arriba County, NM							
DATE DRILLED: 02/02/59		TD: 7237'		CURRENT PRODUCTION			
DATE COMPLETED: 03/09/59		PBSD: 7237'		BOPD	BWPD	MCFD	
SURFACE ELEV: 7303'		STATUS: ACTIVE		1	0	17	
DATUM: 12' AGL							
HOLE SIZE	CASING RECORD SIZE	GRADE	WEIGHT	DEPTH	QUANTITY	CEMENT SIZE CEMENT & ADDITIVES	TOC
17-1/4"	13-3/8"	H-40	48#/ft	0-111'	175 sks	Regular cement	surface (circ.)
7-7/8"	5-1/2"	K-55	14.0#/ft 15.5#/ft	0- 7020'	1st Stage: 320 sks	Regular cement w/2% gel and 325 ft ³ stratacrete	4900' calc.
			DV TOOL @ 3696'		2nd Stage: 125 sks	Regular cement w/2% gel and 125 ft ³ stratacrete	
4-3/4"	4-1/2"	Grade E	12.93#/ft	7008' -7224'			
Additional Cement Detail: Block squeeze @ 5149', 5336', 5608' to prepare to perf Mesaverde interval Squeezed cement into Mesaverde perfs from 5149'-5210' (Unproductive) Squeezed cement into Mesaverde perfs from 5550'-5850' (Unproductive)					300 sks	100 sks at each depth	
					100 sks	class "C"	
					600 sks	class "C"	
Formations Open to Wellbore: Gallup: 6860'-6870', 6880'-6915', 6940'-6980' w/4 JSPF 6870'-6880', 6932'-6940', w/8 JSPF 7008'-7224' perforated liner.							

TABULATION OF WELLS WITHIN 1/2 MILE OF INJECTION WELL
WHICH PENETRATE THE INJECTION ZONE

WELL NAME: Jicarilla 30 No. 2							
OPERATOR: Conoco Inc.							
LOCATION: 810' FNL, 1825' FWL, Sec. 29, T25N, R4W Rio Arriba County, NM							
DATE DRILLED: 11/19/63		TD: 6946'		CURRENT PRODUCTION			
DATE COMPLETED: 12/19/63		PBTD: 0		BOPD	BWPD	MCFD	
SURFACE ELEV: 7025'		STATUS: P&A'd		0	0	0	
DATUM: 11' AGL							
HOLE SIZE	CASING RECORD			CEMENT SIZE	TOC		
	SIZE	GRADE	WEIGHT	DEPTH	QUANTITY	CEMENT & ADDITIVES	
12-1/4"	8-5/8"	J-55	24#/ft	0-310'	185 sks	Regular cement	surface (circ.)
7-7/8"	5-1/2"	J-55	15.5#/ft	0-6565'	1st Stage: 100 sks	Regular cement	2750' calc.
	DV TOOL @ 5660'				2nd Stage: 200 sks	Regular cement w/2% gel and 200 ft3 stratacrete	
4-5/8"	4"	FJ-40	11.34#/ft	6512'- -6946'	UNCEMENTED		
Additional Detail:							
ATTACHED WELLBORE SCHEMATIC SHOWS ADDITIONAL CEMENT DETAIL AND HOW THE WELL WAS P&A'd							
Formations Open to Wellbore:							
NONE							

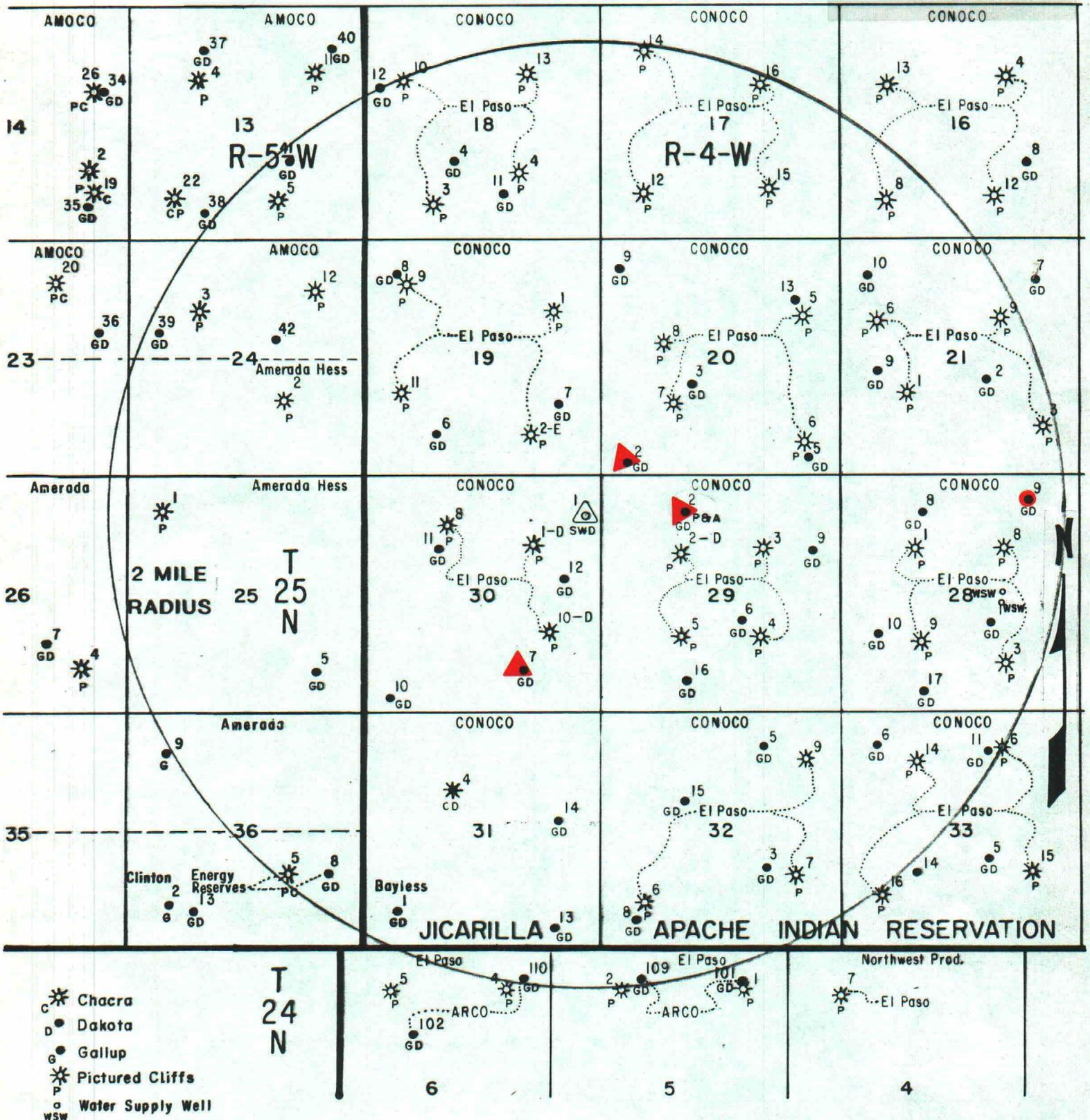
JICARILLA 30 NO. 2

810' FNL, 1825' FWL
 SEC. 29, T25N-R4W
 RIO ARRIBA COUNTY, NM



NOTE: P & A PROCEDURE APPROVED
 AND WITNESSED BY NMOCD

RLT



JICARILLA 30 LEASE--WELL NO.1

Rio Arriba County, New Mexico
MESA VERDE PRODUCTION REVIEW
2 MILE RADIUS

- Proposed Mesaverde Completion
- ▲ Unsuccessful Mesaverde Tests

REVIEW OF MESAVERDE PRODUCTION
WITHIN A 2 MILE RADIUS OF THE
JICARILLA 30 NO. 1 SWD WELL

Currently, there is not any Mesaverde production within a 2 mile radius of the Jicarilla 30 No. 1 SWD well. Additionally, there is not much development potential for Mesaverde production within this area of review. Non-commerciality of the Mesaverde interval has already been established with a series of tests near the Jicarilla 30 No. 1 and are discussed below:

Jicarilla 20 No. 2 (7/72)

Attempted to dual Mesaverde with Gallup/Dakota production. The Mesaverde interval, however, tested at 68-167 BWPD, 0 MCFD and was subsequently squeeze cemented

Jicarilla 30 No. 2 (9/81)

Perforated the Mesaverde from 5444'-5560' and converted well to SWD.

Jicarilla 30 No. 7 (8/88)

Attempted to dual Mesaverde with Gallup/Dakota production. Selectively tested the Point Lookout and Cliffhouse formations within the Mesaverde interval. Both sands proved non-commercial and were squeeze cemented.

A major effort to identify Mesaverde potential on the Jicarilla 20, 22, 28 and 30 leases was undertaken in 1987 by Conoco. As a result of the study, the Jicarilla 30 No. 7 was identified as a potential recompletion candidate based on Mesaverde sand development and log response across the Mesaverde interval. The Jicarilla 30 No. 7 was selected as an experimental well in which a successful test would prove up and justify additional work on offsetting wells. However, the unfavorable results of the Mesaverde test coupled with negative results from the other two above mentioned tests eliminated any hopes of future development potential on the Jicarilla 20 and 30 leases. A successful test of the Jicarilla 22-12 has led to Mesaverde development on the Jicarilla 22 lease and a Mesaverde test is planned for the Jicarilla 28 lease. However, only one well completed or identified as having Mesaverde potential is located in the two mile review area and it will not be affected by continued injection of water in the Jicarilla 30 No. 1.



Hobbs Division
Exploration and Production, North America

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

August 29, 1989

Mr. Robert Hopkins
Meridian Oil Inc.
P.O. Box 4289
Farmington, NM 87449-4289

Dear Mr. Hopkins:

Application for EPA Underground
Injection Control Permit for
Jicarilla 30 No. 1

Conoco Inc. has been injecting produced water into the Jicarilla 30 No. 1 well since 1973 under authority granted by the Oil Conservation Division. The Environmental Protection Agency has assumed control of the Underground Injection Control program on Indian Lands, effective November 25, 1989. Therefore, Conoco will be applying for an EPA Permit for continuing injection in this well which is located in the Northwest quarter of Section 30, Township 25N, Range 4W, Rio Arriba County, New Mexico.

Conoco seeks a permit for injecting produced water into the Mesa Verde formation at approximately 4846' to 5586' KB at a maximum injection pressure of 1800 psig, a maximum rate of 1 barrel per minute, and a maximum volume range of 120 to 150 barrels per day. The fluid to be injected is produced water from the Pictured Cliffs, Chacra, Gallup Dakota, and Mesa Verde formations.

Wells producing the water are located on Conoco's Jicarilla 20, 22, 28, and 30 leases, the N.E. Haynes lease and the AXI Apache J, K, L, M, N, and O leases.

Opportunity to comment on Conoco's application will be announced after the EPA prepares a draft permit determination. The contact person within EPA is Mr. Gus Chavarria, Section Chief, Environmental Protection Agency, 1445 Ross Avenue, UIC Permits and Enforcement Section (6W-SE), Dallas, TX 75202-2733. EPA's phone number is (214) 655-7165.

Should you have any questions, you may contact Judy McLemore located at the Conoco Hobbs Division office's address listed above.

Yours very truly,

David L. Wacker
Division Manager

JAM/tm

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Robert Hopkins Meridian Oil Inc. P.O. Box 4289 Farmington, NM 87449-4289	4. Article Number P732945192 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Loy Ruiz</i>	(JAM)
7. Date of Delivery 9/5/88 CA	(JAM)

MERIDIAN OIL

KL

September 19, 1989

Conoco Inc.
Attention: Mr. David L. Wacker
Post Office Box 460
Hobbs, New Mexico 88240

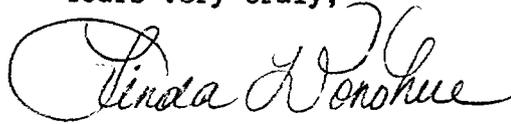
Re: Application for EPA Underground
Injection Control Permit for
Jicarilla 30 No. 1
NW/4 Section 30, T25N, R4W
Rio Arriba County, New Mexico

Dear Mr. Wacker:

This is to advise that Meridian Oil Inc. has no objection to Conoco's application for an EPA permit to continue to use the referenced well for injection.

Please contact the undersigned at 505-326-9760 if there are any questions relating to this matter.

Yours very truly,



Linda Donohue
Landman

LD:jf

Attachments

Doc. 18+

Conoco Correspondence



Hobbs Division
Exploration and Production, North America

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

September 22, 1989

Rio Grande Sun
P.O. Box 790
Española, NM 87532

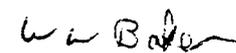
Dear Sirs:

Legal Notification - Amend Division
Order SWD-140

Notification to the public is required for the enclosed as a measure of compliance with the NMOCD. Please publish this article for one week in the "Legal Notice" section of your newspaper at the earliest possible date, approximately October 1-7, 1989.

Please forward a copy of this published article and your invoice to Ms. Kandy Lawson at the address shown above.

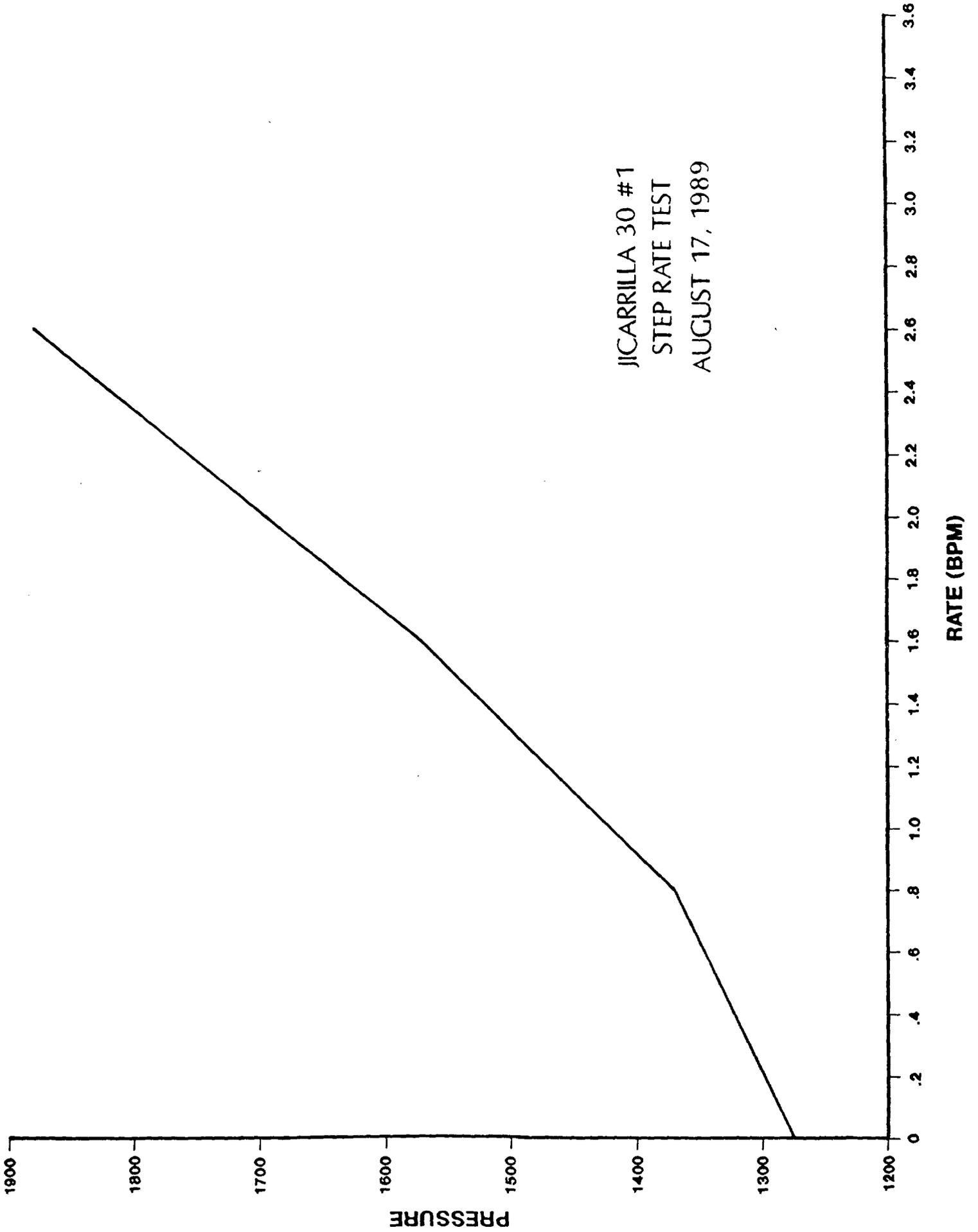
Yours very truly,


W. W. Baker
Administrative Supervisor

KLL:tm
Enc.

LEGAL NOTICE
September 22, 1989
EXPAND INJECTION INTERVAL
IN SWD WELL

Conoco Inc., P.O. Box 460, Hobbs, New Mexico, Phone: (505) 397-5800, Mr. D. L. Wacker, Division Manager of Production, proposes to amend Division Administrative Order No. SWD-140 by expanding the injection interval for Jicarilla 30 #1, to include the entire Mesaverde interval from 4846 feet to 5586 feet. The Jicarilla 30 #1 is located 915' FNL & 330' FEL of Section 30, T-25N, R-4W. Conoco intends to inject at a maximum pressure of 1800 psi and a maximum rate of 1 BPM, not to exceed a maximum volume of 150 BPD. Any objections to this intent or request for hearing must be filed with the New Mexico Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501 within 15 days from the date of this publication.



LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE



Hobbs Division
Exploration and Production, North America

Conoco Inc.
726 East Michigan
P.O. Box 460
Hobbs, NM 88241
(505) 397-5800

October 9, 1989

Mr. David Catanach
Oil Conservation Division
Energy, Minerals and Natural Resources Dept.
P.O. Box 2088
Santa Fe, New Mexico 87504

Dear Mr. Catanach:

Jicarilla "30" SWD Well No. 1
Request to Amend Order SWD-140

Attached, for completion of your records, is the Rio Grande Sun's Affidavit of Publication for the Public Notification of Conoco's request to amend this order.

Yours very truly,

Judy A. McLemore
Sr. Environmental Analyst

/tm
4.

OIL CONSERVATION DIVISION
RECEIVED
89 OCT 12 AM 8 43

ATTACHMENT #1

Well # Jicarilla 30 #1
 Permit # 06SNMJ1F9005
 Date Received : 10-12-89
 *EPA Authorization # 784

Permit Application Checklist

<u>Attached</u>	<u>Not Attached</u>	
<u>✓ JH</u>	_____	1. Budget Bureau Form # 1004 - 0135 (Sundry Notices) or #1004 - 0136 (Application to Drill) (2 copies to EPA).
<u>✓ JH</u>	_____	2. Map using township-range-sections to show the location of wells within 1/2 mile (2640 ft.) of the proposed well. S,
<u>✓ JH</u>	_____	3. Tabulation of data on wells within 1/2 mile (2640 ft) including: <i>OPR. SENDING INFO. ON WELL #7.</i>
	_____	depth ess,
	_____	location
	_____	For wells that penetrate the injection interval, also show:
	_____	date drilled
	_____	record of plugging and/or completion 0
	_____	corrective action plan for inadequately completed or plugged wells.
<u>✓ JH</u>	_____	4. Injection well schematic drawings of surface and subsurface details showing:
	<u>✓</u>	(i) total depth plug-back depth,
	<u>✓</u>	(ii) depth to top and bottom of injection interval,
	<u>✓</u>	(iii) depth to top and bottom of casing and cemented interval, plus amount of cement,
	<u>✓</u>	(iv) size of casing and tubing and depth of packer, and
	<u>✓</u>	(v) hole diameter,
	<u>✓</u>	(vi) other perforated intervals,
	<u>✓</u>	(vii) daily drilling records, if available

applicable to wells authorized by rule

- | <u>Attached</u> | <u>Not Attached</u> | |
|-----------------------------|-----------------------------|--|
| 5. <u> <i>JA</i>✓ </u> | <u> </u> | 5. Operating data including:
(i)✓ maximum and average injection rate,
(ii)✓ maximum and average injection pressure,
(iii)✓ fracture pressure gradient of injection zone,
(iv)✓ whether operations is cyclic or continuous, and
(v)✓ source and analysis of injected fluids including TDS, chlorides, and additives. |
| 6. <u> <i>JA</i>✓ </u> | <u> </u> | 6. Geologic data on the injection and confining zones, including faults, geological name, thickness, porosity, permeability, depth, current reservoir pressure or fluid level, water quality, and lithologic description. |
| 7. <u> ✓<i>JA</i> </u> | <u> </u> | 7. Depth to base of fresh water (10,000 mg/l) |
| 8. <u> ✓<i>JA</i> </u> | <u> </u> | 8. Verification of public notice, consisting of a list showing names, addressess, and date that notice of permit application was given or sent to each:
(i)✓ surface land owner,
(ii)✓ tenant,
(iii)✓ operator of a producing lease within one-half mile of the well location, and
(iv)✓ affected Tribal Government. |
| 9. <u> ✓<i>JA</i> </u> | <u> </u> | 9. All available logging and testing data on the well (for existing wells only). |
| 10. <u> ✓<i>JA</i> </u> | <u> </u> | 10. Proof of adequate financial responsibility. |
| 11. <u> ✓<i>JA</i> </u> | <u> </u> | 11. Certification form signed by well owner/operator or authorized representative (authorization must be in writing and copy attached). |
| 12. <u> (Yes) </u> | <u> (No) </u> | 12. Has the applicant declared any part of his submission confidential? [147.2907] |
| 13. <u> (Yes) </u> | <u> (No) </u> | 13. Is the injection well currently authorized by rule? If yes, EPA Inventory No. is <u> <i>NM10784</i> </u> . |

- | | <u>Attached</u> | <u>Not Attached</u> | |
|-----|-----------------|---------------------|---|
| 14. | <u>(Yes)</u> | <u>(No)</u> | 14. Was applicant required by EPA to apply for a permit? Permit applied for increasing P _{inj} . |
| 15. | <u>(Yes)</u> | <u>(No)</u> | 15. The permit applicant is the <u>owner/operator</u> (circle one or both) |
| 16. | <u>(Yes)</u> | <u>(No)</u> | 16. Has the applicant requested emergency authorization to inject. Well has Emergency Authorization from State of New Mexico. |
| 17. | <u>AV</u> | <u> </u> | 17. Plugging and Abandonment Plan, and estimated cost of plan. Notification that Emergency Authorization by EPA is not required was received in letter of October 30 from C. Sabra to J.A. McLeone. |

Administrative Reviewer
Signature/Date

Virginia Hughes November 3, 1989
Technical Reviewer
Signature/Date

NEW MEXICO UIC
 PERMIT APPLICATION

Well # Jicarilla 30 #1
 Permit # 10-12-89
 Date Received: 10-12-89
 EPA Authorization # 789

Permit Application Checklist

Exhibit	Attached	Not Attached	
B	1. <u>x</u>	_____	1. BLM Sundry Notice "Notice of Intent" (BLM Form 3160-3), or BLM Application for Permit to Drill (BLM Form 3160-5). (2 copies to EPA)
C Pg. 1&2	2. <u>x</u>	_____	2. Map using Sections, Township and Range to show the location of wells within 1/2 mile (2,640 ft.) of the proposed well.
D Pgs 1-5	3. <u>x</u>	_____	3. Tabulation of data on wells within 1/2 mile (2,640 ft.) including:
		_____	depth
		_____	location
		_____	For wells that penetrate the injection interval, also show:
		_____	date drilled
		_____	record of plugging and/or completion
		<u>x</u>	corrective action plan for inadequately completed or plugged wells.
E Pgs 1-6	4. <u>x</u>	_____	4. Injection well schematic drawings of surface and subsurface details showing:
		_____	a. total depth and plugback depth,
		_____	b. depth to top and bottom of injection interval,
		_____	c. depth to top and bottom of casing(s) and cemented interval(s), plus amount of cement.
		_____	d. size(s) of casing and tubing and depth of packer, and
		_____	e. hole diameter(s)
		_____	f. other perforated intervals,

NEW MEXICO UIC
PERMIT APPLICATION

Exhibit		<u>Attached</u>	<u>Not Attached</u>	
E			<u> </u>	g. daily drilling report, if available - Well History
F	5.	<u> x </u>	<u> </u>	h. surface schematic
Pgs 1-14				5. Operating data including:
				a. maximum and average injection rate,
				b. maximum and average injection pressure,
				c. fracture pressure gradient of injection zone, Step Rate Test Graph and Data in Exhibit O and I
				d. whether operation is cyclic or continuous, and
				e. source and analysis of injected fluids including TDS, chlorides, and additives.
G	6.	<u> X </u>	<u> </u>	f. Mechanical, integrity tests
Pgs 1-4				6. Geologic data on the injection and confining zones, including: faults, geological name, thickness, porosity, permeability, depth, current reservoir pressure or fluid level, water quality,** and lithologic description.
				** Water Quality description is outlined in Exh. F, pgs 4-8, & 11
G	7.	<u> X </u>	<u> </u>	7. Depth to base of fresh water (10,000 mg/l).
H	8.	<u> X </u>	<u> </u>	8. Verification of public notice, consisting of a list showing names, addresses, and date that notice of permit application was given or sent to each:
				a. the surface landowner,
				b. tenants,
				c. operator of a producing lease within one-half mile of the well location, and
				d. affected Tribal Government.
I	9.	<u> X </u>	<u> </u>	9. All available logging and testing data on the well (for existing wells only). - Logging Package
J	10.	<u> X </u>	<u> </u>	10. Proof of adequate financial responsibility.
K	11.	<u> X </u>	<u> </u>	State of New Mexico Plugging Bond.
				11. Certification form signed by well owner/operator or authorized representative (authorization must be in writing and copy attached).
	12.	<u> (YES) </u>	<u> X (NO) </u>	12. Has the applicant declared any part of his submission confidential? [147.2907]

NEW MEXICO UIC
PERMIT APPLICATION

3

- | <u>Exhibit</u> | <u>Attached</u> | <u>Not Attached</u> | |
|----------------|-----------------|---------------------|--|
| 13. | <u>X(YES)</u> | <u>(NO)</u> | 13. Is the injection well currently authorized by rule? If yes, EPA Form No. is <u>NM 0784</u> . |
| 14. | <u>(YES)</u> | <u>X(NO)</u> | 14. Was applicant required by EPA to apply for a permit. Permit was not called for by EPA but UIC program required Permit due to operating pressure. |
| 15. | <u>(YES)</u> | <u>(NO)</u> | 15. The permit applicant is the owner/operator.
(Circle one) Both |
| 16. | <u>(YES)</u> | <u>(NO)</u> | 16. Has the applicant requested emergency authorization to inject? * |
| L. | <u>X(YES)</u> | <u>(NO)</u> | 17. Plugging and Abandonment Plan, and estimated cost of plan. |

ADMINISTRATIVE REVIEW

Signature

Date

TECHNICAL REVIEW

Signature

Date

* Emergency Authorization from State of New Mexico has been granted as shown in Exhibit N.

Notification that Emergency Authorization by EPA is not required was received in the letter dated August 30 from Oscar Cabra, Jr., P.E. to J.A. McLemore.

OIL CONSERVATION DIVISION
RECEIVED
89 NOV 20 AM 10 28

SWD-140 FILE

NOV 15 1989

REPLY TO: GM-SF

Ms. Judy McLemore
Conoco, Incorporated
Post Office Box 460
Hobbs, New Mexico 88241

Re: Permit Application #00SNM1P9005

Well No.: Jicarilla 30 No. 1
Location: 916 FNL, 930 FEL, NE/4 Sec. 30, T 28N, R 40
Rio Arriba County, New Mexico

Dear Ms. McLemore:

Your application for a permit on the above referenced injection well has been reviewed and deemed complete.

A draft permit and statement of basis are being prepared and will be supplied to you. Following our completion of these documents, we will give public notice of your application. A copy of the public notice will be mailed to you, and it will be published in newspaper(s) in the affected area.

We appreciate your interest and thoroughness in the permit application. If you have any questions, please contact Ms. Virginia Hughes at (214) 685-7165.

Sincerely yours,

/s/ Oscar Cabra, Jr P E

Oscar Cabra, Jr., P.E.
Chief
Water Supply Branch (GM-S)

ILLEGIBLE

cc: Bureau of Land Management, Farmington, New Mexico
BIA, Dulce and Albuquerque
cc: w/enclosure:
Jicarilla Apache Tribe
State of New Mexico Oil Conservation Division, Santa Fe