

#### STATE OF NEW MEXICO

# ENERGY AND MINERALS DEPARTMENT

# OIL CONSERVATION DIVISION AZTEC DISTRICT OFFICE

GARREY CARRUTHERS
GOVERNOR

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

Date: 7-14-89
Oil Conservation Division P.O. Box 2088 Santa Fe, NM 87504-2088
Re: Proposed MC Proposed DHC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
Gentlemen:
I have examined the application dated 6-6-89
for the Manien Offices Corp. Western # 5 Operator Lease & Well No.
15-7-2611 1/1 and my recommendations are as follows: Unit, S-T-R  Set for dearing - Surrounding Pt f wills Race in Aufficient Remot Courses
an sufficient Almen source go
Yours truly,
In Bunk
A Marora and al to

610 REILLY AVE. • P. O. Box 840 FARMINGTON, NEW MEXICO 87499

June 5, 1989



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

Attn:

Mr. Michael Stogner

SUBJECT:

Application for Authorization to Inject

Western No. 5

Unit B, Section 7, T26N, R11W San Juan County, New Mexico

Dear Mr. Stogner:

By application enclosed herein, Merrion Oil & Gas requests administrative approval for authority to dispose of produced water in the Western No. 5 well.

If further information is required, please advise.

Sincerely,

Steven S. Dunn Operations Manager

SSD/eg

 $\sqrt{\text{CC}}$ : Mr. Frank Chavez, Aztec OCD

Enclosures

#### POST OFFICE BOX 20MG BOXTO OFFICE BOX 20MG GLICHE STATE OFFICE TOCKE CHICAM WANTED BOXTO

rukm C+108 Revised 7-1-81

APPLICATION FOR AUTHORIZATION TO INJECT

ı.	Purpose: Decondary Recovery Pressure Maintenance Disposal Disposal Storage
	Application qualifies for administrative approval? 🗓 yes 🔲 no
II.	Operator: MERRION OIL & GAS CORPORATION
	Address: P. O. Box 840, Farmington, New Mexico 87499
	Contact party: Steven S. Dunn Phone: 327-9801
III.	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.  ATTACHMENT NO. 1
IV.	Is this an expansion of an existing project?  yes  no  If yes, give the Division order number authorizing the project
V	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. ATTACHMENT NO. 2
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. ATTACHMENT NO. 3
VII.	Attach data on the proposed operation, including: ATTACHMENT NO. 4
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and</li> <li>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.).</li> </ol>
VIII.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, 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. ATTACHMENT NO. 4
IX.	Describe the proposed stimulation program, if any. ATTACHMENT NO. 4
x.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) On file with NMOCD
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. ATTACHMENT NO. 5
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. ATTACHMENT NO. 6
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form. ATTACHED Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: Steven S. Dunn Title Operations Manager
	Signature: Date: 5/11/89

of the earlier submittal. X. Filed as a result of original Gallup drilling and completion.

### ATTACHMENT NO. 1 INJECTION WELL DATA SHEET

MERRION PERATOR	OIL & GAS CORPORATION	WESTERN LEASE		
5 ELL NO.	660' FNL & 660' FWL FOOTAGE LOCATION	7 SECTION	26N TOWNSHIP	11W RANGE
		(SCHEMATIC ATTACHED		
50	<u>hematic</u>	•	<u>Tabular Data</u>	
		Surface Casing	" Cemented with	9 Y -
			_ feet determined by _	
		Hole size		
		Intermediate Casing		
			_" Cemented with	
		TOC	_ feet determined by _	
		Hole size		
		Long string		
		Size	Cemented with	sx.
		TOC	feet determined by _	
		Hole size		
		Total depth		
		Injection interval feet (perforated or open-	to hole, indicate which)	_ feet
Tubing s	ize <u>2-3/8"</u> line	ed with plastic		set in a
		(ma	aterial)	
	ker Model "A" tension (brand and model)	раскел	- at	1886
(or desc	ribe any other casing-tubir	ng seal).		•
Other Da	ta			
	of the injection formation			
2. Name	of Field or Pool (if appli	icable) <u>N/A</u>		
3. Is t	his a new well drilled for	injection? /_7 Yes	<u>/</u> X∕ No	
Ifn	o, for what purpose was the	e well originally dril	led? <u>Gallup oil pro</u>	oduction
<u>in</u>	the Gallegos field			
4. Has and	the well ever been perfora give plugging detail (sacks	ted in any other zone( s of cement or bridge <sub>l</sub>	s)? List all such per plug(s) used) <u>See w</u> e	forated interval
sch	nematic attached			
			· · · · · · · · · · · · · · · · · · ·	
5. Give	the depth to and name of a area. South Gallegos Fr	any overlying and/or u uitland Sand ≈ 800'	nderlying oil or gas z - 1,400', Basin Frui	ones (pools) in tland   ≈ 800' -
Cal i	legos Gallup 🌣 5,000', B	asin Dakota 🚓 6.000	• .	

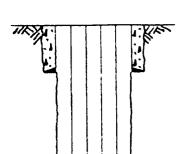
### PROPOSED INJECTION CONFIGURATION WELLBORE SCHEMATIC

Well: Western No 5 Field: Gallegos Gallup Location:

660'FNL & 1980'FEL

Sec. 7, T26N, R11W

Elevation: 6,109' KB 6.0981 GL San Juan Co. New Mexico



TOC @ Surface Bit Size - 13 3/4"

10 3/4" 32.75# Surface @ 173' KB w/ 200sx

Hole size - 7 7/8"

TOC @ 1.000'KB (calculated)

Annular Fluid w/ biocide & oxygen scavenger

Sqz holes @ 2.320'

5 1/2" 14lb/ft @ 2.320'KB w/ 150 sx

Model 'A' Tension Packer @ 2,340'

Cliffhouse Perfs 2.359'-2.425'(Inject Interval)

Retainer @ 2.490' Sgz holes @ 2.500'

TOC @ 3.950' (Temp Survey)

	Tops	Depth
Well Equip:	D4 - 01466	1 454
2" EUE Plastic Lined Tbg @ 2,340'w/Mod 'A'	Pic Cliffs Lewis	1,454 1,730
Tension Packer	Mesa Verde	2.337
	Mancos	4,196
	Gallup	5,042

Spot 65sx 'B' - 5.350' - 4.820'KB (March 1988)

Gallup Perfs - 5.062'-5.310'KB Gross Interval

PBTD @ 5,370 KB

5 1/2" 15.5# Prod Csg @ 5,373'KB w/300 sx TD @ 5,373' KB

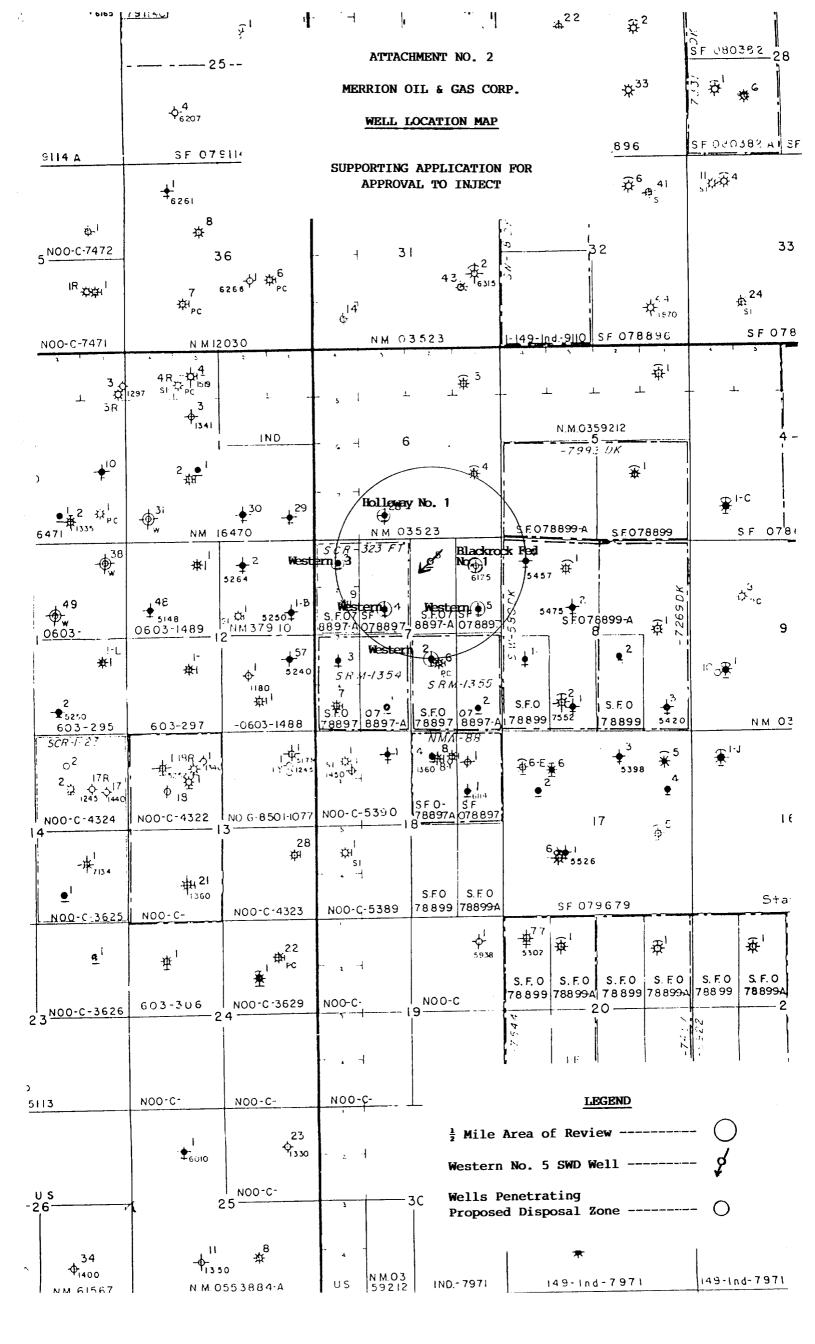
5/11/1989 File: WSTN5.sch Capacities: 2" Tbg -

0.00387 Bbl/Ft

5 1/2" 15.5#Csg- 0.0238 Bbl/Ft

Annulus -

0.0183 Bbl/Ft



#### WELLBORE SCHEMATIC

Well: Blackrock Fed No. 1

Location:

790'FNL & 790'FEL

Field: Basin Dakota

Sec. 7, T26N, R11W

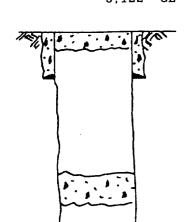
Elevation: 6,135' KB

San Juan Co, New Mexico

6,122' GL

Operator:

Southwest Production



TOC @ Surface Est 30' Surf Plug

Hole - 12 1/4"(Est)

8 5/8" Surface @ ?' KB w/ ?sx

Cmnt Plug @ 972' -1,102'

Hole size - 7 7/8"(Est)

Cement Plug @ 4,585' -4,715'

cut off casing @ 4,799'

Depth

Dakota Perfs 6,160' - 6,090' Gross Interval Squeezed w/ 50sx 5,600 - 6,160'

4.5" 10.5# @ 6,190 w/ 275sx TD @ 6,190' PBTD @ 6,174'

5/23/1989 File: WF4.sch

Capacities: 2 3/8" Tbg - 4 1/2" 10.5#Csg-

0.00387 Bbl/Ft 0.0159 Bbl/Ft

Annulus -(2" x 4.5")

0.0105 Bbl/Ft

#### WELLBORE SCHEMATIC

Well: Holloway No. 1 Field: Gallegos Gallup Location: 660 FSL & 1980'FWL

Sec. 6, T26N, R11W

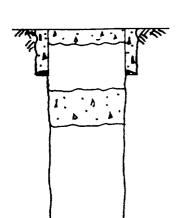
San Juan Co, New Mexico

Elevation: 6,079' KB

6,066' GL

Operator:

Skelly 0il



TOC @ Surface 10sx surf plug Hole - 12 1/4"(Est)

8 5/8" Surface @ ?' KB w/ ?sx Est

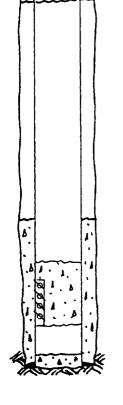
20sx 450' - 550'

20sx 2,426' - 2,526'

Shot off Csg @ 2,476'

Hole size - 7 7/8"(Est)

Tops	Depth
Ojo Alamo Pic Cliffs	
Cliffhouse Pt Lookout	
Gallup	



TOC @ 4585'

Squeezed w/25sx top @ 4988'

Gallup Perfs 5,063' - 5,258' Gross Interval

5.5" 15.5# @ 5,367' w/ 150 sx TD @ 5,374' PBTD @ 5,327'

5/23/1989 File: HOLL.sch Capacities: 2 3/8" Tbg - 5 1/2" 14#Csg-

Annulus  $-(2" \times 5.5")$ 

0.00387 Bbl/Ft

0.0244 Bbl/Ft

0.0189 Bbl/Ft

#### WELLBORE SCHEMATIC

Well: Western Fed No.2

Location:

1980'FSL & 1980'FEL

Field: Gallegos Gallup

Sec. 7, T26N, R11W

Tops

Depth

San Juan Co, New Mexico

Elevation: 6,113' KB

Operator:

Dugan Production Corp

6,100' GL

Hole - 12 1/4"(Est) 8 5/8" 24# Surface @ 323' KB w/ 225sx

65sx 275' - 520'

TOC @ Surface 10sx Surface Plug

80sx 1,140' - 1,450'

26sx 2,230 - 2,330' Hole size - 7 7/8"(Est)

26sx 3,350' - 3,450'

25sx from 4,190' - 4,075' Top of Tubing @ 4,190'KB

Gallup Perfs 5,108' - 42' 5,235' - 58'

5.5" 14# @ 5,335' w/ 135sx

TD @ 5,335'

5/23/1989

3 6 6

Capacities: 2 3/8" Tbg - 5 1/2" 14#Csg-

0.00387 Bb1/Ft

File: WF2.sch

0.0244 Bbl/Ft

Annulus  $-(2" \times 5.5")$ 

0.0189 Bbl/Ft

#### WELLBORE SCHEMATIC

Well: Western Fed No.4 Field: Gallegos Gallup

Location:

1980'FNL & 1980'FWL

Sec. 7, T26N, R11W

San Juan Co, New Mexico

Elevation: 6,083' KB 6,074' GL

Operator:

Dugan Production Corp

TOC @ Surface

Hole - 12 1/4"(Est)

8 5/8" 24# Surface @ 323' KB w/ 200sx Est

120sx @ 503'

90sx 664' - 1,440'

26sx 2,065' - 2,290'

Hole size - 7 7/8"(Est)

26sx 2,965' - 3,065'

Tops Depth

Pic Cliffs Cliffhouse Pt Lookout Gallup

Ojo Alamo

25sx 4,200' - 4,425'

Gallup Perfs 5,100' - 5,250' Gross Interval

5.5" 15.5# @ 5,346'

TD @ 5,349' PBTD @ 5,305'

5/23/1989 File: WF4.sch Capacities: 2 3/8" Tbg - 5 1/2" 14#Csg-

Annulus  $-(2" \times 5.5")$ 

0.00387 Bbl/Ft 0.0244 Bbl/Ft

0.0189 Bbl/Ft

#### WELLBORE SCHEMATIC

Well: Western Fed No.5

Location:

660'FNL & 1980'FEL

Sec. 7, T26N, R11W

San Juan Co, New Mexico

Field: Gallegos Gallup

Elevation: 6,147' KB

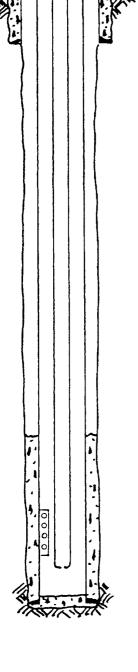
Operator: Dugan Production Corp

6,134' GL

TOC @ Surface

Hole - 12 1/4"(Est)

8 5/8" 24# Surface @ 320' KB w/ 250sx



Hole size - 7 7/8"(Est)

Depth
347 1,481 2,338 3,942 5,043

Gallup Perfs 5,074' - 5,313' Gross Interval

2" Tubing @ 5,328'

5.5" 15.5# @ 5,423' w/ 165sx TD @ 5,430' PBTD @ 5,387'

5/23/1989 File: WF5.sch Capacities: 2 3/8" Tbg - 0.00387 Bbl/Ft 5 1/2" 14#Csg- 0.0244 Bbl/Ft Annulus -(2" x 5.5") 0.0189 Bbl/Ft

#### \* MERRION OIL & GAS \*

#### WELLBORE SCHEMATIC

Well: Western No 3 Field: Gallegos Gallup

Location:

660'FNL & 660'FWL Sec. 7, T26N, R11W

San Juan Co, New Mexico

Elevation: 6.059' KB

6.048' GL

TOC @ Surface Bit Size - 13 3/4"

10.3/4" 32.75# Surface @ 171' KB w/ 150sx

Hole size - 9 7/8"

TOC @ 1,190'KB (calculated)

Top of 7 5/8" 26.4# @ 1,430'KB 5 1/2" 15.5# @ 1,511'KB w/ 100 sx

	Tops	Depth
	Pic Cliffs	1,385
	Mesa Verde	2,275
	Mancos	4,132
TOC @ 2,990'	Gallup	4.992

5 1/2" Liner Top @ 4.105'KB 7 5/8" 26.4# @ 4.177'KB w/ 250sx

> Well Equip: 2" EUE Tbg @ 5,248' 165 Joints 79 - 3/4" Scr Rods 8 - 5/8" Scr Rods 98 - 5/8" Pln Rods 20 - 3/4" Pln Rods

Gallup Perfs - 5,006'-5,252'KB Gross Interval

PBTD @ 5,270'KB 5 1/2" 15.5# Prod Csg @ 5,303'KB w/300 sx TD @ 5,319' KB

9/16/1988 File: WSTN3.sch Capacities: 2" Tbg -0.00387 Bbl/Ft 5 1/2" 15.5#Csg- 0.0238 Bbl/Ft 7 5/8" 26.4#Csg - 0.0472 Bbl/Ft

#### ATTACHMENT NO. 4

# APPLICATION FOR AUTHORIZATION TO INJECT WESTERN NO. 5

#### SECTION VII: OPERATIONAL DATA

- Proposed Average Rate 100 BPD Maximum Rate - 400 BPD
- 2. System is closed.
- Average injection pressure 450 PSI
- 4. Injection fluid Gallup produced water and Fruitland produced water. (Analysis included)
- 5. Injection zone water analysis to be submitted after perforating and prior to injection.

#### SECTION VIII: GEOLOGIC DATA

- 1. Injection zone Cliffhouse formation
- 2. Lithology Sandstone
- 3. Depth 2,358' KB
- 4. Thickness 69'
- 5. Overlying aquifers Ojo Alamo formation
- 6. Depth of bottom estimated < 400 feet
- 7. Underlying aquifers none

#### SECTION IX: STIMULATION PROGRAM

1. Propose to sand-water frac the Cliffhouse with approximately 20,000 lbs 20/40 sand.

Duce 4-19-88

Company

Analysis S1-60-88
Field Receipt

API FORM 45-1

### API WATER ANALYSIS REPORT FORM

| Sample No.

Mere	i oils	+Gas.		1		4-15	-88	
Field	gos Gallup	Legal D	escription		County or Par	rici	State	
Calle Lease of C COCLG	int	Well /		Depth	Formation Gallup	Wate	ר, וויט	
Type of V	Vater (Produced, S	supply, etc.)	Sampling     Well				ned By Neulatt	
DIJSOLVED SOLID				ì	OTHER PROPERT	TIES		<u>6.8</u>
CAPIONS  Socium, Ma (cale.)  Calcium, Ca  Magnesium, Mg  Barium, Ba	16 050 672 96 72	(98.17 16.77 395			pH Specific Gravity, 60 Resistivity (ohm m Pot al Handness	eters)6.7	<u>′5°</u> F.	1.030 _0.2 _2018
Perassium, K				•	WATEI	e patti	ERNS — me	71
Chloride, Cl Sulfate, SO <sub>4</sub> Carbonate, CO <sub>3</sub> Distribunite, HCO <sub>4</sub> Distribunite, Ull	25390	715,2/ 0 · 0 5,52 0			, ,			1111 1111 112
Total Dissolved Solid (mo. Iron, Fe (total) Sulfide, as HiS	42617		•		L. minter ampression of the control			ulu uuluu Heo.s
RUMARKS & RECO	MMENDATIONS	:						

Analys Con Stille

Questions reporting this analysis may be directed to Chay Force, District to the analysis the Farmington, Ed District (505) 327-6222.

Date 4-19-88

Analysis 51-61-88 Field Receipt

API FORM 45-1

# API WATER ANALYSIS REPORT FORM

Company	um Oil	+ Sas Co.			Sample No.		Sampled 5 - 8 &	
Field	os Gallu	Legal De	escription		County or Pari	isiı	State NM	_
Lease or Uni	t	Well 43		Depth	Formation   Gallup	Wat	er, B/U	
	ter (l'roduced,	Supply, etc.)	Sampling P   we			1	ipled Br	<u>e</u>
PISSOLVED SOLIDS				ï	OTHER PROPERT	TES		4.73
Catrions  Sodium, Na (culc.)  Calcium, Ca  Magnesium, Mg  Barium, Ba  Potassium, K	my/l 11 195, 395, 9/u -,62	486.97 9.56 3.75			pH Specific Gravity, 607 Resindivity (ohm mo Total Hardness	eters)_7	<u>'S°</u> F.	1.027 0.22 1366
					WATER	PATT	ERIIS — me	, ι
Chloride, Cl Solfate, SO <sub>4</sub> Carbonate, CO <sub>3</sub> Vicarbonate, HCO <sub>3</sub> Eydnox I do , OH	17468 150 0 534 0	492.06 1.56 . 0 8.75			1 0	i		
Total Dissolved Solids (  (mosts  lron, Fe (total)  Sulfide, as H <sub>2</sub> S	29,900	2 <sup>#1</sup> 0	•		Compt. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-11	1 HC03
ייריווידים ג דרכסאו	NEND CTIONS	•						

REMARKS & RECOMMENDATIONS:

Questions regarding this analysis may be directed to Clay Lerre, District to its a In the Carmington, fitt District (505) 327-6222.

#### FARMINGTON DISTRICT

ATTACHMENT NO. 4	
ABORATORY WATER ANALYSIS	No

ToMerrion	Oil & Gas	Date	12/4/86
		it nor any part thereof no or disclosed without first s of laboratory management	of Halliburton Company and neither r a copy thereof is to be published ecuring the express written approval; it may however, be used in the operations by any person or concernations such report from Halliburton
Submitted by Mike M	ull <b>£</b> n (Welex)	Date Rec	12/3/86
	7-R_Depth	Formation_	Fruitland
		Source	
Resistivity	0.32 @ 66°F		
Specific Gravity			
pH	6.7		
Calcium (Ca)	050		*MPL
Magnesium (Mg)	600		
Chlorides (CI)	15900		
Sulfates (SO <sub>4</sub> )	less than 50		
Bicarbonates (HCO <sub>3</sub> )	280		
Soluble Iron (Fe)	no trace		
TDS			
Remarks:			*Milligrams per liter
	Respectfully sub	mitted,	<del></del>
Analyst: Barry Pe	eiser	HALLIBURTON	COMPANY

# NOTICE

This report is limited to the described sample tested. Any user of this report agrees that Halliburton shall not be liable for any loss or damage, whether it be to act or amission, resulting from such report or its use.

| ONE ATTIACHMENT NO Opr. Rig Time Truck No. Recorded By COUNTY\_ FIELD or SAN JUAN, N.M LOCATION GALLEGUS-GALLUP
WELL WESTERN #5 SCHLUMBERGER SCHLEMBERGER COMPANY EL PASO NATURAL GAS PRODUCTS CO 2 HRS 25 ISFARM COVEY THOMAS FIELD\_ WELL\_ LOCATION COUNTY COMPANY\_EL PASO NATURAL GAS WELL SURVEYING SEC. 7-26N-11W WESTERN #5 PRODUCTS COMPANY NEW MEXICO SAN JUAN GALLEGOS-GALLUP 3.44.110/ or 1.44.100/ or 1. SEETT CULL PL PLENT MONG El Paso Natural Gas Ploducis Co.
Geological Department
Sen Juan Division CORPORATION 660' FR N/L 1980' FR E/L SEC. 7-26N-11W Elevation: D.F.: 6 | 08 '
K.B.: 5or G.L.: 6099' @ of @ of @ of @ of @ of FILING No .\_ 6 NONE Location of Well 5043 5164 5232 5281 347 534 1235 1481 1756 2338 2942 41196 Other Surveys e or e c c c 30 min. 2300 CUIFFHOUSE PROPOSED : ZONE 0000000 NOTECTION 2400. 2500 ξ MACANA LAWY 2600 £ 2700 2800

API FORM 45-1

FIELD RECEIPT NO.

#### API WATER ANALYSIS REPORT FORM

Company Meelion	Od & GAS			Sample No.	Date Sampled 5-24-89
Field Gallegos		escription // 26N	, 12W	County or Par	ish State
Lease or Unit	Well Whitey Spor	rins	Depth	Formation Ojo Alamo	Water, B/D
Type of Water (Produc	ed, Supply, etc.)	Sampling Po			Sampled By T. L.M.

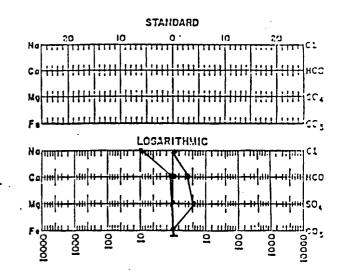
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REMARES & RECOMMENDATIONS:
metal stemp at well with the following infor
ACO-Operative U.S. Public Health Service
Project Huerfano Ch. Whitey Spring
19-5-6 5-28-65

#### OTHER PROPERTIES

pH	<u>7.39                                    </u>
Specific Gravity, 60/60 F.	1.0012
Resistivity (ohm-meters) 78 F.	+ 10
Total hardness	76

#### WATER PATTERNS - me/l



ANALYST: Jan Laul

THE WESTERN COMPANY OF NORTH AMERICA, FARMINGTON. III (505) 327-6222

Please refer any questions to: Clay Terry, District Engineer

#### ATTACHMENT NO. 6

# APPLICATION FOR AUTHORIZATION TO INJECT WESTERN NO. 5

Merrion Oil and Gas Corporation states the following:

1. We 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.

MERRION OIL & GAS CORPORATION

Steven S. Dunn, Operations Manager

Date: JUNE 5, 1989

#### PROOF OF NOTICE

## APPLICATION FOR AUTHORIZATION TO INJECT

#### WESTERN NO. 5

I hereby certify to the best of my knowledge and belief that Merrion Oil & Gas Corporation has furnished notice of this application by certified mail to the surface owner of the land on which the well is located and to each leasehold operator within one-half mile of the well location.

A copy of such notice is enclosed herein.

Name:

Steven S. Dunh

Title: Operations Manager

Date: June 5, 1989

# AFFIDAVIT OF PUBLICATION

No. <u>23565</u>

STATE OF NEW MEXICO. County of San Juan:

Betty Shipp being duly
sworn, says: That he is the Nat'l. Adv. Manager of
THE FARMINGTON DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the
hereto attached legal notice
was published in a regular and entire issue of the said FARMINGTON DAILY
Times, a daily newspaper duly qualified for the purpose within the
meaning of Chapter 167 of the 1937 Session Laws of the State of New
Mexico for One consecutive (days) (weeks) on the same day as
follows:
First Publication Tuesday, May 30, 1989
Second Publication
Third Publication
Fourth Publication
and that payment therefor in the amount of \$ 10.23
has been made. Sette Vkepp
<b>4</b>
Subscribed and sworn to before me this31stday
of Jhorta
NOTARY PUBLIC, SAN JUAN COUNTY, NEW MEXICO
My Commission expires: 1100 13 1990

# Copy of Publication

NOTICE

NOTICE
Subject: Western No. 5
Section 7, T26N, 11W
San Juan County, NM
Merrion Oil & Gas has applied
to the New Mexico Oil Conservation Division requesting administrative approval for their Application to Inject produced water into
the Western No. 5 well located in
the NW/4, NE/4, of Section 7,
T26N, R11W, NMPM, San Juan
County, New Mexico, in accordance with Rule No. 701 Section D of the New Mexico Oil Conservation Commission Rules. servation Commission Rules.

The proposed maximum injection rate is 400 BPD with an average injection pressure of 450 PSI. The injection zone is to be the Cliffhouse formation with a depth of 2,350 ft. to 2,430 ft.

Interested parties must file objections or requests for hearing with the Oil Conservation Division. P. O. Box 2088. Santa Fe. New Mexico 87501 within 15 days.

For further information contact Steven S. Dunn. Merrion Oil & Gas. P. O. Box 840. Farmington. New Mexico 87499, (505) 327-9801.

Legal No. 23565 published in the Farmington Daily Times, Farm-ington. New Mexico on Tuesday, May 30. 1989.

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

#### MERRION OIL & GAS CORPORATION

610 REILLY AVE. . P. O. Box 840
FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 25, 1989

Marathon Oil Co. P. O. Box 552 Midland, Texas 79702

Subject: Application for Authorization to Inject

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

#### Gentlemen:

Merrion Oil & Gas has applied to the New Mexico Oil Conservation Division requesting administrative approval to inject produced water into the Cliffhouse formation at a depth of 2,358 feet in the Western No. 5 well in accordance with Rule 701-B.

Merrion Oil & Gas requests you to submit a written waiver to the NMOCD if you have no objection to our application.

Enclosed for your review is a lease ownership map identifying the location of this well and the offsetting leases. Also, included is a wellbore schematic and log across the Cliffhouse interval.

If you have questions or desire further information, please give me a call.

Yours truly,

Steven S. Dunn Operations Manager

SSD:ks

Enc.

PS Form 3800, June 1985

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610 REILLY AVE. P. O. Box 840 FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 24, 1989

Depco, Inc. 110 16th Street, Suite 1000 Denver, Colorado 80202

Subject: Application for Authorization to Inject

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

#### Gentlemen:

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Yours truly,

Steven S. Dunn

Operations Manager

SSD:ks

Enc.

PS Form 3800, June 1985

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

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610 REILLY AVE. . P. O. Box 840 FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 24, 1989

W. W. Lynch 2010 Fdlty Life Bldg. Dallas, Texas 75201-4713

Application for Authorization to Inject Subject:

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

#### Gentlemen:

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Yours truly,

Steven S. Dunn Operations Manager

SSD: ks

Enc.

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610 REILLY AVE. • P. O. Box 840 FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 25, 1989

Meridian Oil Co. P. O. Box 4289 Farmington, New Mexico 87499

Subject: Application for Authorization to Inject

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

### Gentlemen:

Merrion Oil & Gas has applied to the New Mexico Oil Conservation Division requesting administrative approval to inject produced water into the Cliffhouse formation at a depth of 2,358 feet in the Western No. 5 well in accordance with Rule 701-B.

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Yours truly,

Steven S. Dunn Operations Manager

SSD:ks

Enc.

P 950 806 082

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610 REILLY AVE. • P. O. Box 840
FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 25, 1989

Bureau of Indian Affairs P. O. Box M Window Rock, Arizona 86515

Subject: Application for Authorization to Inject

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

#### Gentlemen:

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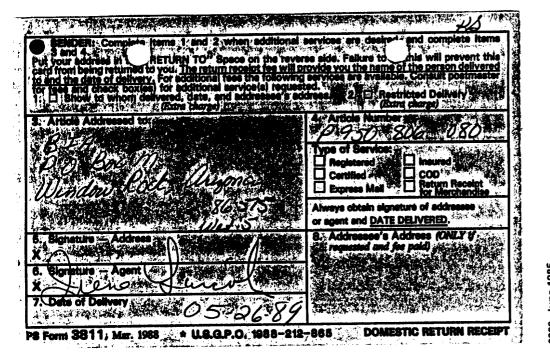
If you have questions or desire further information, please give me a call.

Yours truly,

Steven S. Dunn Operations Manager

SSD:ks

Enc.



# P 950 806 880

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610 REILLY AVE. • P. O. Box 840
FARMINGTON, NEW MEXICO 87499

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

May 25, 1989

Navajo Agriculture Products Industry S. Highway 371 Farmington, New Mexico 87401

Subject: Application for Authorization to Inject

Western No. 5

Gallegos Gallup Pool Sec. 7, T26N, R1W

San Juan County, New Mexico

#### Gentlemen:

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Yours truly,

Steven S. Dunn Operations Manager

SSD:ks

Enc.

P 950 806 081

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NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

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