

1

Ernie Busch

From: Ernie Busch
To: Ben Stone
Subject: MERRION OIL & GAS (SWD)
Date: Monday, December 04, 1995 11:23AM
Priority: High

FEDERAL 11C #1

P-11-19N-04W

RECOMMENDATION: REQUIRE THE P&A OF THE EMU#4 AND REQUIRE PLASTIC LINED TUBING

*from here
we get reports*

131	13DK27N11W24L	05/01/81	DISC	113	149	315	95	8672	30-045-06354
132	13DK27N11W24L	11/01/82	630	53	171	213	49		30-045-06354
133	13DK27N11W24L	04/24/83	425	108	154	361	91		30-045-06354
134	13DK27N11W24L	04/18/84	632	171	213	49			30-045-06354
135	13DK27N11W24L	03/17/87	495						30-045-06354
136	13DK27N11W24L	04/19/88	780	110	215	312	102		30-045-06354
137	6DK27N11W25F	11/11/62	1243	975	589	622	950	7422	30-045-06260
138	6DK27N11W25F	08/02/63	1238	991	573	619	957		30-045-06260
139	6DK27N11W25F	03/13/64	905	321	490	453	335		30-045-06260
140	6DK27N11W25F	01/27/65	803	169	507	402	199		30-045-06260
141	6DK27N11W25F	04/04/66	762	157	520	381	202		30-045-06260
142	6DK27N11W25F	03/30/67	742	118	499	371	149		30-045-06260
143	6DK27N11W25F	04/01/68	889	80	491	445	85		30-045-06260
144	6DK27N11W25F	06/23/69	615	118	423	308	154		30-045-06260
145	6DK27N11W25F	05/12/71	838	73	368	419	69		30-045-06260
146	6DK27N11W25F	05/30/72	764	113	260	382	100		30-045-06260
147	6DK27N11W25F	04/29/75	662	145	214	331	127		30-045-06260
148	6DK27N11W25F	05/12/77	720	50	218	360	43		30-045-06260
149	11DK27N11W25M	03/11/63	1586	424	341	793	354	7786	30-045-06218
150	11DK27N11W25M	03/11/63	1586	424	341	793	354		30-045-06218
151	11DK27N11W25M	06/02/64	1380	231	218	690	190		30-045-06218
152	11DK27N11W25M	12/01/64	1045	294	237	523	246	8887	30-045-06218
153	11DK27N11W25M	03/23/65	931	207	217	466	174		30-045-06218
154	11DK27N11W25M	05/17/66	738	142	200	369	121		30-045-06218
155	11DK27N11W25M	04/16/67	794	98	200	397	83		30-045-06218
156	11DK27N11W25M	08/16/68	702	97	194	351	83		30-045-06218
157	11DK27N11W25M	06/16/69	704	96	153	352	80		30-045-06218
158	11DK27N11W25M	02/08/71	640	97	149	320	82		30-045-06218
159	11DK27N11W25M	05/17/72	629	63	150	315	53		30-045-06218
160	11DK27N11W25M	08/01/75	606	82	128	303	68		30-045-06218
161	11DK27N11W25M	04/02/77	615	164	161	308	136	4484	30-045-06218
162	11DK27N11W25M	07/19/79	501	61	147	251	52		30-045-06218
163	11DK27N11W25M	04/24/83	490	18	178	245	16		30-045-06218
164	11DK27N11W25M	03/17/87	275						30-045-06218
165	11DK27N11W25M	04/19/88	298	67	212	119	100		30-045-06218
166	4PC27N11W26B	07/09/56	355	1281	220	177	1517	1188	30-045-06284
167	4PC27N11W26B	05/15/57	335	803	193	167	886		30-045-06284
168	4PC27N11W26B	04/15/58	304	732	178	152	819		30-045-06284
169	4PC27N11W26B	04/23/59	297	689	167	149	745		30-045-06284
170	4PC27N11W26B	05/16/60	287	916	185	144	1133		30-045-06284
171	4PC27N11W26B	04/08/61	276	1026	166	138	1177		30-045-06284
172	4PC27N11W26B	05/11/62	266	791	181	133	1051		30-045-06284
173	4PC27N11W26B	04/18/63	268	694	195	214	556		30-045-06284
174	4PC27N11W26B	04/02/64	261	762	172	209	517		30-045-06284
175	4PC27N11W26B	06/15/65	257	594	188	206	475		30-045-06284
176	4PC27N11W26B	03/14/66	254	486	191	203	415		30-045-06284
177	4PC27N11W26B	02/09/67	257	358	200	206	329		30-045-06284
178	4PC27N11W26B	03/17/68	280	292	180	224	193		30-045-06284
179	4PC27N11W26B	09/17/69	275	400	128	220	207		30-045-06284
180	4PC27N11W26B	07/17/70	267	333	151	214	192		30-045-06284
181	4PC27N11W26B	06/17/71	258	377	134	206	208		30-045-06284
182	4PC27N11W26B	07/16/72	268	384	144	214	216		30-045-06284
183	4PC27N11W26B	01/12/73	273	357	125	218	184		30-045-06284
184	4PC27N11W26B	08/01/75	199	271	134	159	191		30-045-06284
185	4PC27N11W26B	04/17/77	193	248	164	154	311		30-045-06284
186	4PC27N11W26B	07/17/79	199	227	146	159	184		30-045-06284
187	4PC27N11W26B	04/25/81	194	204	115	155	124		30-045-06284
188	4PC27N11W26B	04/03/83	197	198	174	158	299		30-045-06284
189	4PC27N11W26B	02/25/87	185						30-045-06284
190	3EDK27N11W26B	05/24/82	1610	204	188	805	166	8673	30-045-25102
191	3EDK27N11W26B	04/24/83	1600	25	152	800	20	8675A	30-045-25102
192	3EDK27N11W26B	04/18/84	1560	127	149	780	103		30-045-25102
193	3EDK27N11W26B	05/15/85	675	69	170	270	64		30-045-25102
194	3EDK27N11W26B	01/13/87	757						30-045-25102
195	3EDK27N11W26B	02/17/88	480	102	152	192	97		30-045-25102
196	1PC27N11W26C	01/01/53						1373	30-045-06299

APPLICATION FOR AUTHORIZATION TO INJECT

RECEIVED
BLM MAIL ROOM

IN TO INJECT 1:43

- I. **PURPOSE:** Secondary Recovery Pressure Maintenance XX Disposal XX Storage
Application qualifies for administrative approval? XX Yes No
- II. **OPERATOR:** Merrion Oil & Gas
ADDRESS: P.O. Box 840, Farmington, NM 87499
CONTACT PARTY: Connie Dinning **PHONE:** (505)327-9801
- III. **WELL DATA:** Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary. Attachments
- IV. Is this an expansion of an existing project: Yes XX 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
- 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. Attachments
- VII. Attach data on the proposed operation, including: Attachments
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. 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.).
- *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 sources known to be immediately underlying the injection interval. Attachments
- IX. Describe the proposed stimulation program, if any. Attachment
- * 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
- * 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. No Fresh Water
- 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
- 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 correct to the best of my knowledge and belief.
- NAME: Connie Dinning TITLE: Engineer
SIGNATURE: [Signature] DATE: 10/26/95
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstance of the earlier submittal. _____

APPLICATION FOR AUTHORIZATION TO INJECT SECTION III - WELL DATA

Federal 11C #1, Convert to Water Injection						
A.						
1)	Well Name:	Federal 11C #1	Location:	330' fsl & 330' fel, Sec 11, T19N, R4W		
2)	Casing:					
	Size	10 3/4"	Depth Set	203'	Hole Size	15"
		7"		5465'		8 3/4"
						825 sx, 2 stages
						1st Stg cemented to DV tool (Driller's notes)
						2nd Stg lost circulation, TOC @ 3070' from CBL
3)	Tubing:	4 1/2", 10.5# (casing material)				
		Set @ depth to be determined when packer assembly is made up				
		No Internal Lining				
4)	Packer:	Mountain States Model Arrowset IX, Retrievable Casing Packer				
		Set @ 5460'				
B.						
1)	Name of Pool/Formation:	Eagle Mesa Entrada				
2)	Injection Interval:	5469' - 5569', Open Hole				
3)	Original Purpose of Well:	Oil Producer				
4)	No other intervals are perforated in this wellbore. No intervals were perforated during the P&A work					
5)	There are no other producing zones in the area. The Dakota, Gallup and Mesa Verde are present as illustrated on the wellbore diagram, but they are not productive.					

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Supervisor's Office
1463

All distances must be from the outer boundaries of the Section

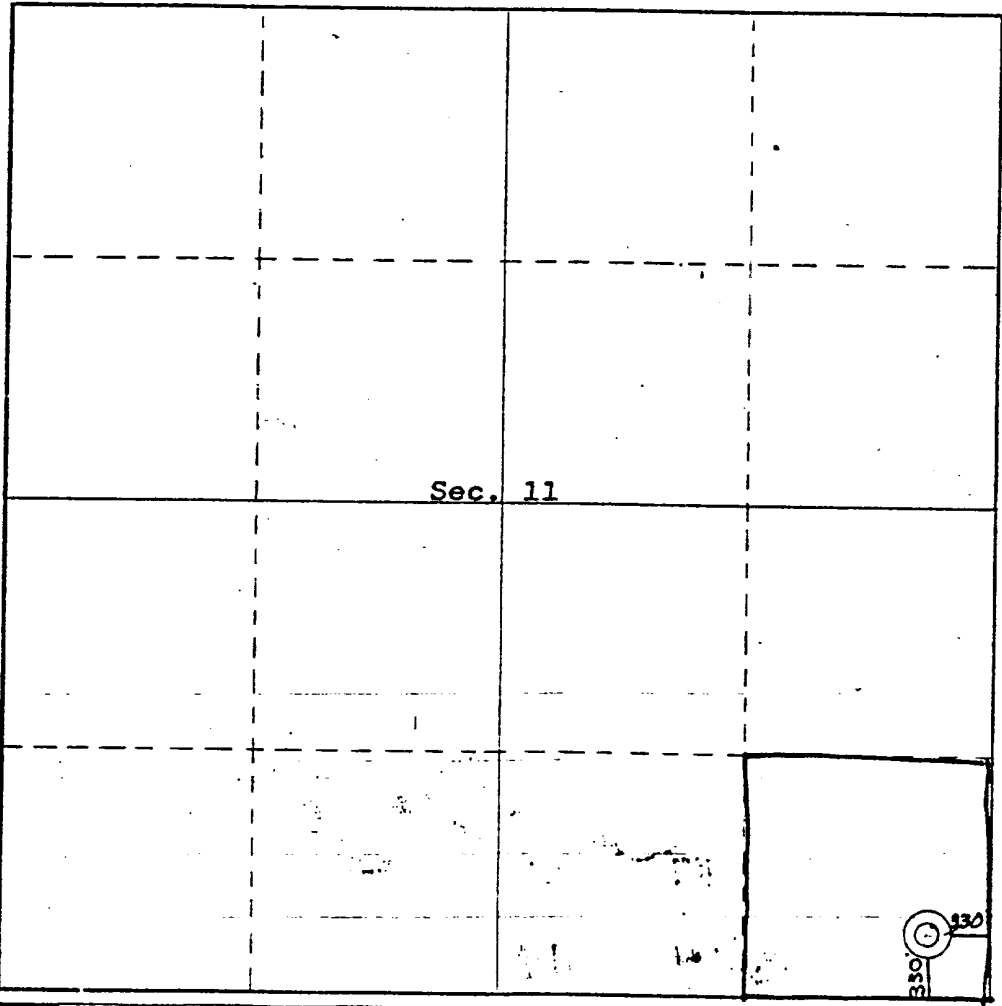
FILON EXPLORATION COMPANY				RECEIVED MAIL ROOM FEDERAL		11C	
P	11	19 NORTH	30 PM	14 WEST	SANDOVAL		
330	SOUTH		330 NM	EAST			
6633.0	Entrada		Un-named		40		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



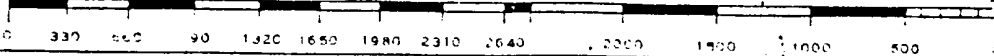
CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name J. Amos Shell
Position _____
Area Manager
Company _____
Minerals Management Inc.
Date August 20, 1975

I hereby certify that the location shown on this plat was plotted by field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed 15 August, 1975
Registered Professional Engineer
James P. Leese
James P. Leese
1463



Merrion Oil & Gas Corporation

Wellbore Schematic

Federal 11C-1

Proposed Wellbore Configuration

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BLM MAIL ROOM

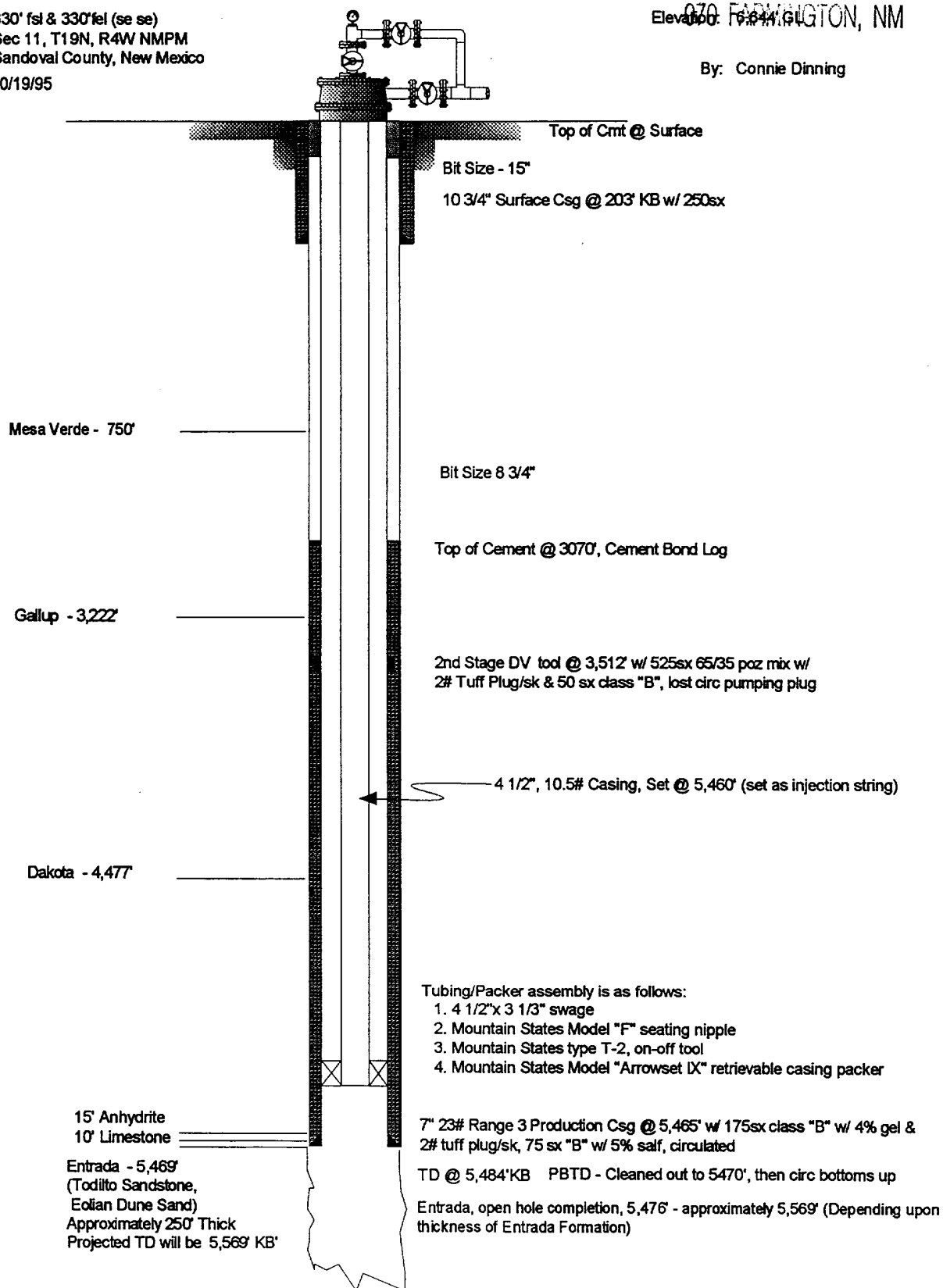
95 OCT 30 PM 1:43

Location: 330' fsl & 330' fel (se se)
Sec 11, T19N, R4W NMPM
Sandoval County, New Mexico

Prepared: 10/19/95

Elevation: 6,844' GL
070 FARWINGTON, NM

By: Connie Dinning



Merrion Oil & Gas Corporation
Wellbore Schematic
Federal 11C-1

Current Wellbore Configuration

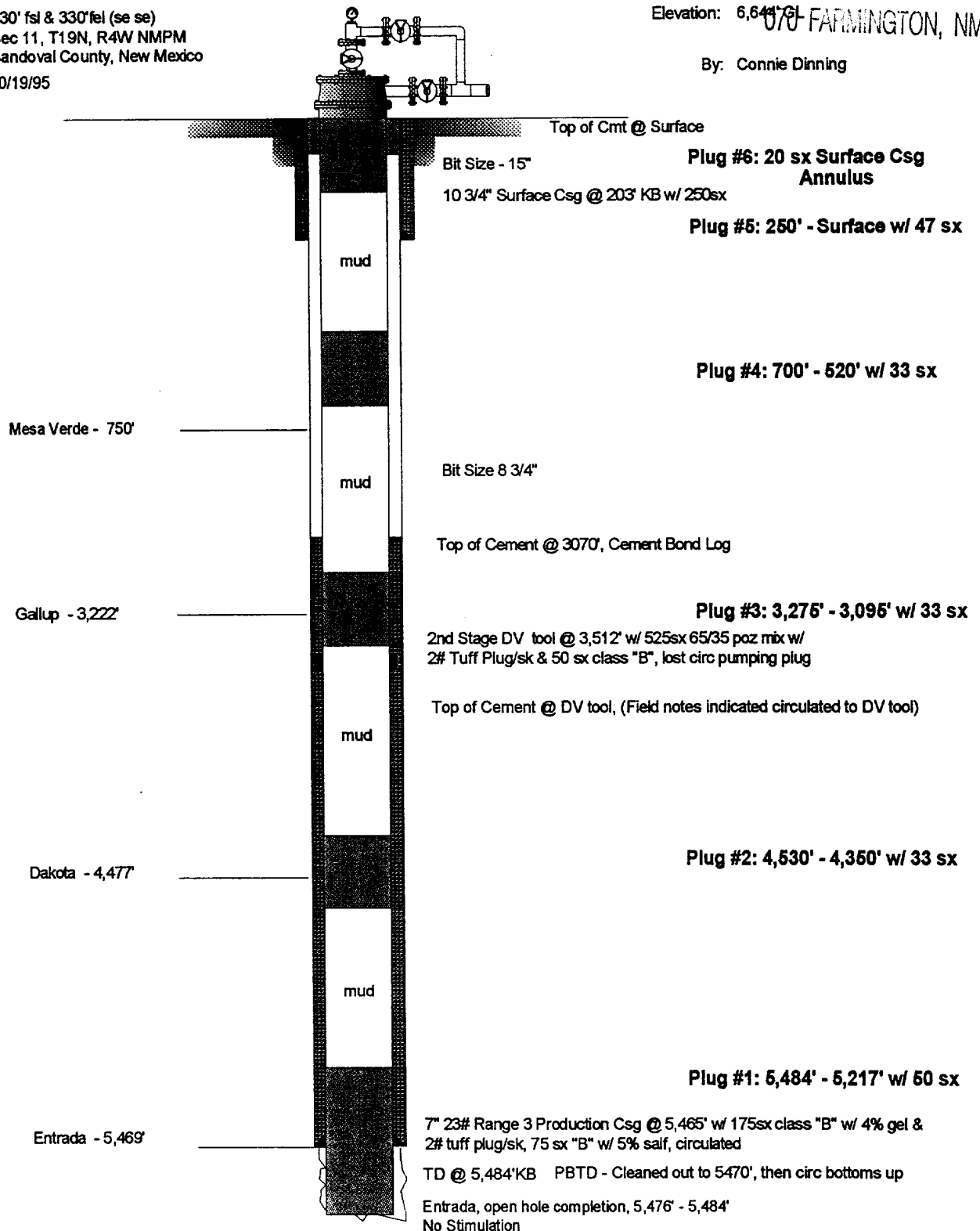
RECEIVED
BLM MAIL ROOM

95 OCT 30 PM 1:43

Location: 330' fsl & 330' fsl (se se)
Sec 11, T19N, R4W NMPM
Sandoval County, New Mexico
Prepared: 10/19/95

Elevation: 6,641' - 6,641' - 6,641'
070 FARMINGTON, NM

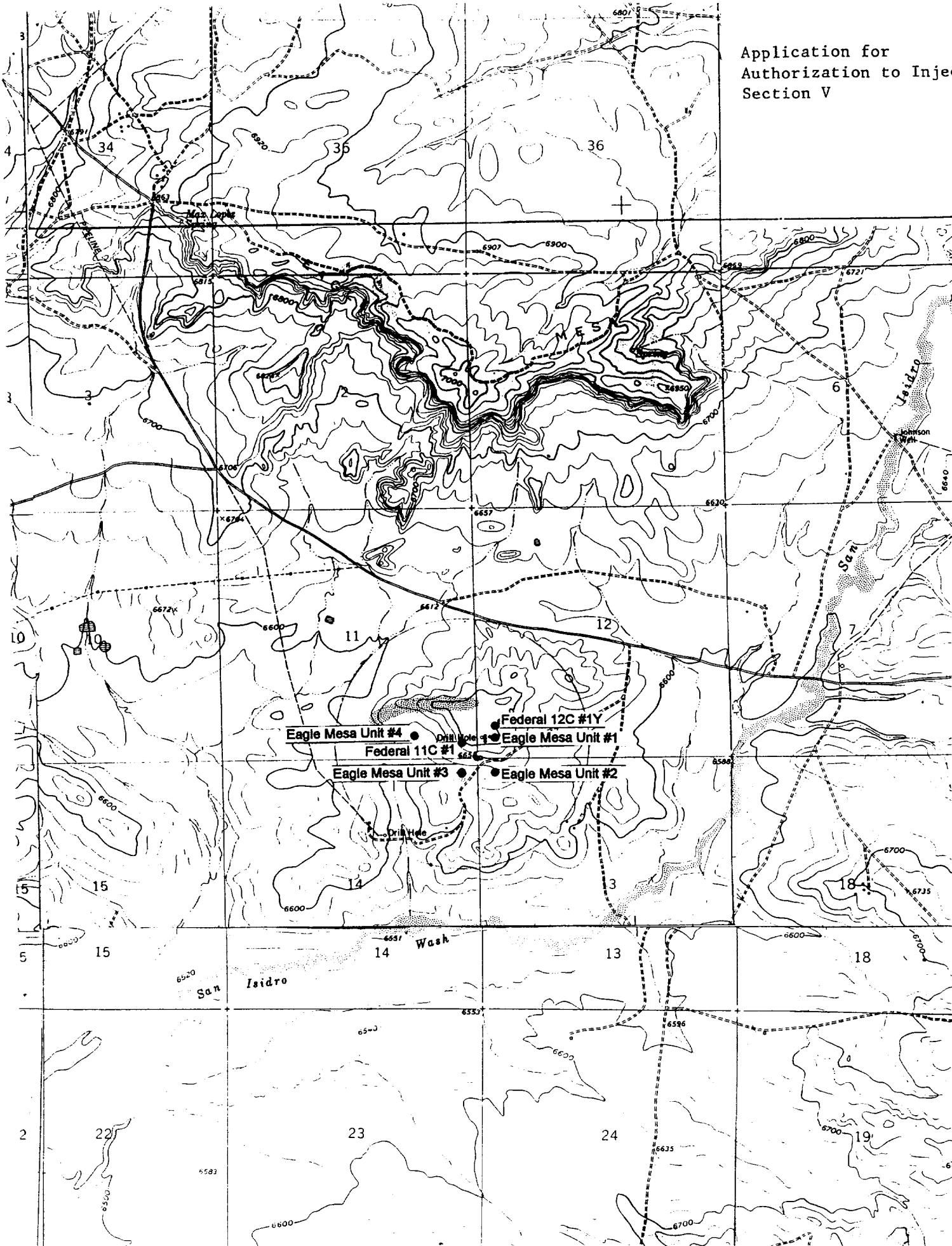
By: Connie Dinning



APPLICATION FOR AUTHORIZATION TO INJECT, SECTION VI

Well Name	Type	Construction				Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size			
Eagle Mesa Unit #3	Oil	10 3/4"		197'	15" Surface, 200 sx		10-21-75	5662'
Eagle Mesa Entrada		7"		5347'	8 3/4" 2 stages			
		5 1/2"		5590'	8 3/4" 578 sx, 365 sx			
Location	330' fnl & 330' fel, Sec 14, T19N, R4W			Sandoval County, NM				
Completion	Perforated 5442' - 5460', No Stimulation							
Well Name	Type	Construction				Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size			
Eagle Mesa Unit #4	Water Injection	8 5/8"	23#	229'	12 1/4" 150 sx		9-19-75	3700'
		5 1/2"	15.5#	3685'	7 7/8" 2 stages: 126 sx, 450 sx			
Location	460' fsl & 800' fel, Sec 11, T19N, R4W			Sandoval County, NM				
Completion	Perforated 3048' - 3177', 3206' - 3270', 3350' - 3428', 3470' - 3596', No Stimulation							
Well Name	Type	Construction				Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size			
Federal 12C #1Y	Oil (dry)	9 5/8"		187'	180 sx		10-26-95	5605'
Location	685' fsl & 330' fwl, Sec 12, T19N, R4W			Sandoval County, NM				
Completion	No Production Casing Set, Well Plugged after drilling							
	Cement Plugs in the following intervals:			5605' - 5450', 50 sx	Surface Plug, 10 sx			
				4590' - 4410', 50 sx				
				3340' - 3190', 50 sx				
				2350' - 2190', 50 sx				
				200' - 150', 30 sx				

Application for
Authorization to Inje
Section V



Application for Authorization to Inject, Section V

The map on the preceding page indicates a drill hole on the border of the 1/2 mile radius area of review. There is no record of any wellbore at this location in the Dwight's data nor in the NMOCD files in the Aztec office. Field inspection of the site yielded no further information. There was nothing to indicate that a well of any sort existed at this location.

Merrion Oil & Gas Corporation
Wellbore Schematic for Offset to Proposed Water Injection Well
Federal 12C-1Y (Operator: Jordan Oil & Gas Co.)

Current Wellbore Configuration According to NMOCD Records

RECEIVED
BLM MAIL ROOM

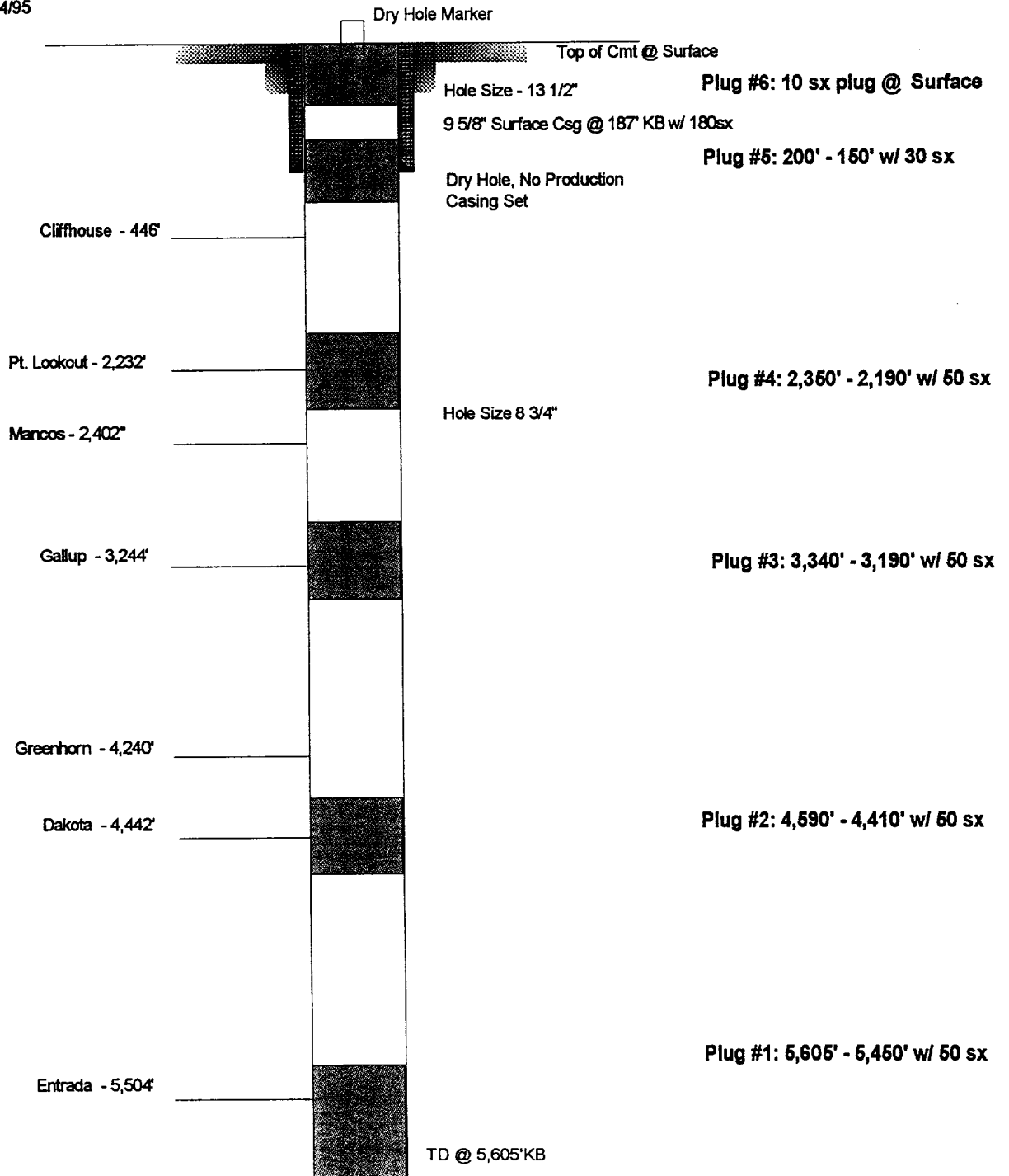
95 OCT 30 PM 1:43

Location: 685°fsl & 330°fwl
Sec 12, T19N, R4W NMPM
Sandoval County, New Mexico

Elevation: 6,693' GL
070 FARMINGTON, NM

Prepared: 10/24/95

By: Connie Dinning



APPLICATION FOR AUTHORIZATION TO INJECT

Federal 11C #1, Convert to Water Injection							
VII. Operational Data							
1)	Ave Rate:	2-3 BPM	Daily Rate:	4000 BPD			
2)	Open System						
3)	Ave. Pressure:	700 psi	Max Pressure:	1200 psi			
4)	Reinjected produced water from same formation						
5)	Water Analysis Attached						
VIII. Geological Data							
Injection Zone:		Todilto Sandstone (Eolian Dune Sand)					
Thickness:		approx. = 250'					
Top:		5469'					
Overlaying this formation is a 10' layer of limestone and a 15' layer of anhydrite.							
According to engineering and geological review, there are no known formations in the area of review above or below the Entrada which contain water with < 10,000 ppm TDS.							
IX. Stimulation Program							
The well will not be stimulated initially. However if injection volumes and pressures are not satisfactory, a fracture program may be proposed.							
X. Logging and Test Data							
All logs are on file with the OCD office in Aztec							
XI. Fresh Water Analysis							
There are no known fresh water zones in the area of review.							
XII. Engineering and Geology Review to Protect Fresh Water							
There is little concern over hydraulic connection with other formations because there are no known fresh water zones in the area of review. The casing/hole annulus is cemented from 3,070' to TD, and there are low permeability formations between the Entrada and the top of cement, therefore there is no reason to believe hydraulic connections are present.							

STATE OF NEW MEXICO

County of Bernalillo

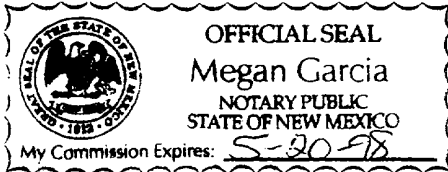
SS

PUBLIC NOTICE
Merrion Oil & Gas
P.O. Box 840
Farmington, NM 87401
Attn: Connie Dinning
Merrion Oil & Gas proposes to convert a previously plugged and abandoned well to a water disposal well to take produced water from the Eagle Mesa Entrada field.
Injection Well Location: 330' lat & 330' lat, Sec. 11, T19N, R4W, Sandoval County, NM.
Injection Formation: Entrada
Depth of Injection Zone: 5,400'
Maximum Pressure: 1,200 psi
Maximum Rate: 12,000 barrels per day
Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2085, Santa Fe, New Mexico 87504-2085 within 15 days of this notice.
Journal: October 24, 1995

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made of assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being of the 24th day of October, 1995, and the subsequent consecutive publications on _____, 1995

Bill Tafoya

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 24th day of Oct, 1995



PRICE \$14.47
Statement to come at end of month.

Megan Garcia

CLA-22-A (R-1/93) ACCOUNT NUMBER C81582

APPLICATION FOR AUTHORIZATION TO INJECT

OIL CON. DIV.
DIST. 3

- I. PURPOSE: Secondary Recovery Pressure Maintenance XX Disposal Storage
Application qualifies for administrative approval? XX Yes No
- II. OPERATOR: Merrion Oil & Gas
ADDRESS: P.O. Box 840, Farmington, NM 87499
CONTACT PARTY: Connie Dinning PHONE: (505)327-9801
- III. WELL DATA: Complete the data required on the reverse side of this form for each well processed for injection. Additional sheets may be attached if necessary. Attachments
- IV. Is this an expansion of an existing project: Yes XX 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
- 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. Attachments
- VII. Attach data on the proposed operation, including: Attachments
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. 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.).
- *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 sources known to be immediately underlying the injection interval. Attachments
- IX. Describe the proposed stimulation program, if any. Attachment
- * 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
- * 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. No Fresh Water
- 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
- 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 correct to the best of my knowledge and belief.
- NAME: Connie Dinning TITLE: Engineer
SIGNATURE: [Signature] DATE: 10/26/95
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be re-submitted. Please show the date and circumstance of the earlier submittal. _____

APPLICATION FOR AUTHORIZATION TO INJECT SECTION III - WELL DATA

Federal 11C #1, Convert to Water Injection					
A.	1)	Well Name:	Federal 11C #1	Location:	330' fsl & 330' fel, Sec 11, T19N, R4W
	2)	Casing: Size	10 3/4"	Depth Set	203'
			7"	Hole Size	15" 250 sx
					8 3/4" 825 sx, 2 stages
					1st Stg cemented to DV tool (Driller's notes)
					2nd Stg lost circulation, TOC @ 3070' from CBL
	3)	Tubing:	4 1/2", 10.5# (casing material)		
			Set @ depth to be determined when packer assembly is made up		
			No Internal Lining		
	4)	Packer:	Mountain States Model Arrowset IX, Retrievable Casing Packer		
			Set @ 5460'		
B.	1)	Name of Pool/Formation:	Eagle Mesa Entrada		
	2)	Injection Interval:	5469' - 5569'	Open Hole	
	3)	Original Purpose of Well:	Oil Producer		
	4)	No other intervals are perforated in this wellbore. No intervals were perforated during the P&A work			
	5)	There are no other producing zones in the area. The Dakota, Gallup and Mesa Verde are present as illustrated on the wellbore diagram, but they are not productive			

330	420	40	1320	680	1980	2310	3040	3300	1530	51000	520
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Merrion Oil & Gas Corporation

Wellbore Schematic

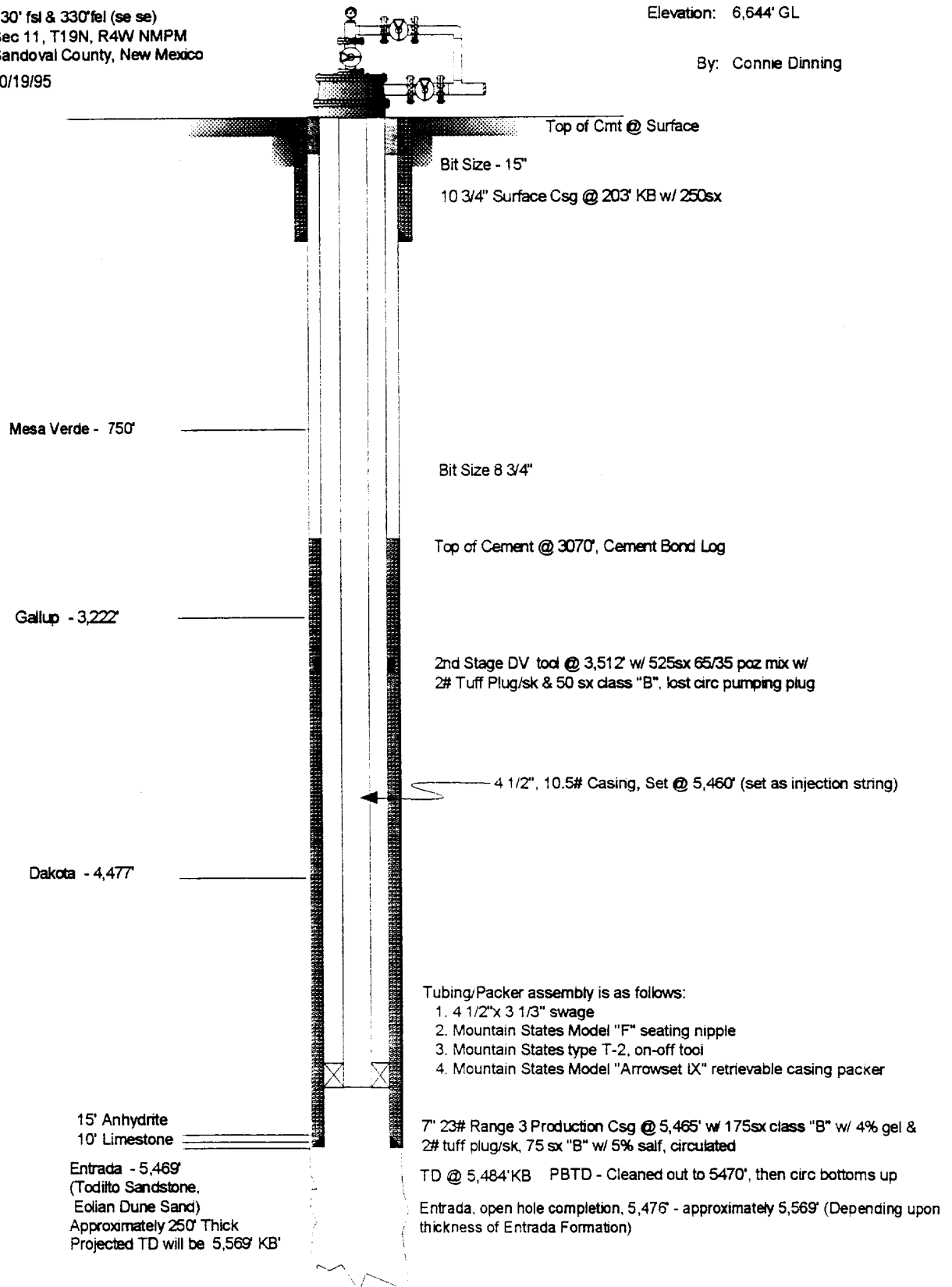
Federal 11C-1

Proposed Wellbore Configuration

Location: 330' fsl & 330' fel (se se)
Sec 11, T19N, R4W NMPM
Sandoval County, New Mexico
Prepared: 10/19/95

Elevation: 6,644' GL

By: Connie Dinning



Merrion Oil & Gas Corporation Wellbore Schematic

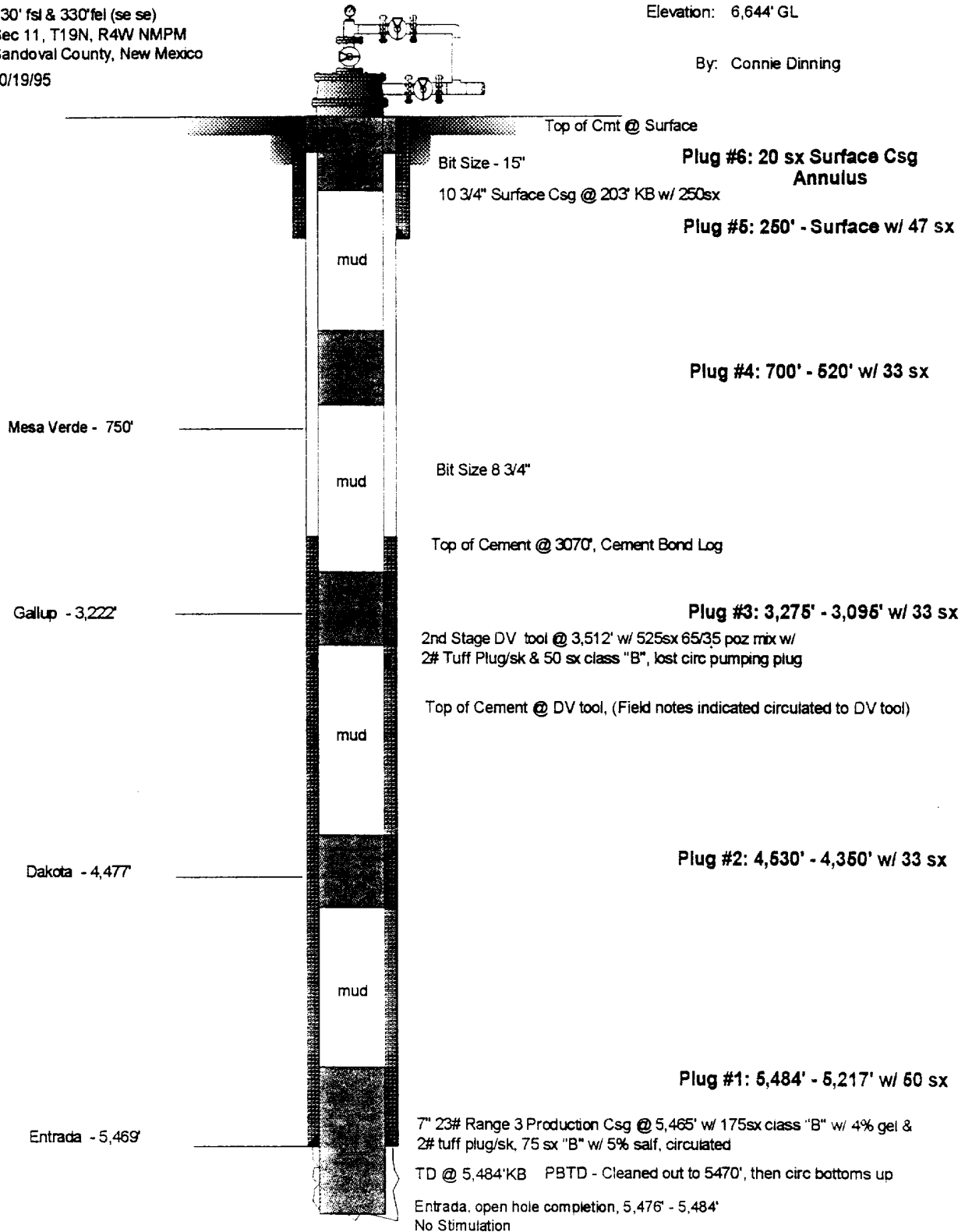
Federal 11C-1

Current Wellbore Configuration

Location: 330' fsl & 330' fel (se se)
Sec 11, T19N, R4W NMPM
Sandoval County, New Mexico
Prepared: 10/19/95

Elevation: 6,644' GL

By: Connie Dinning



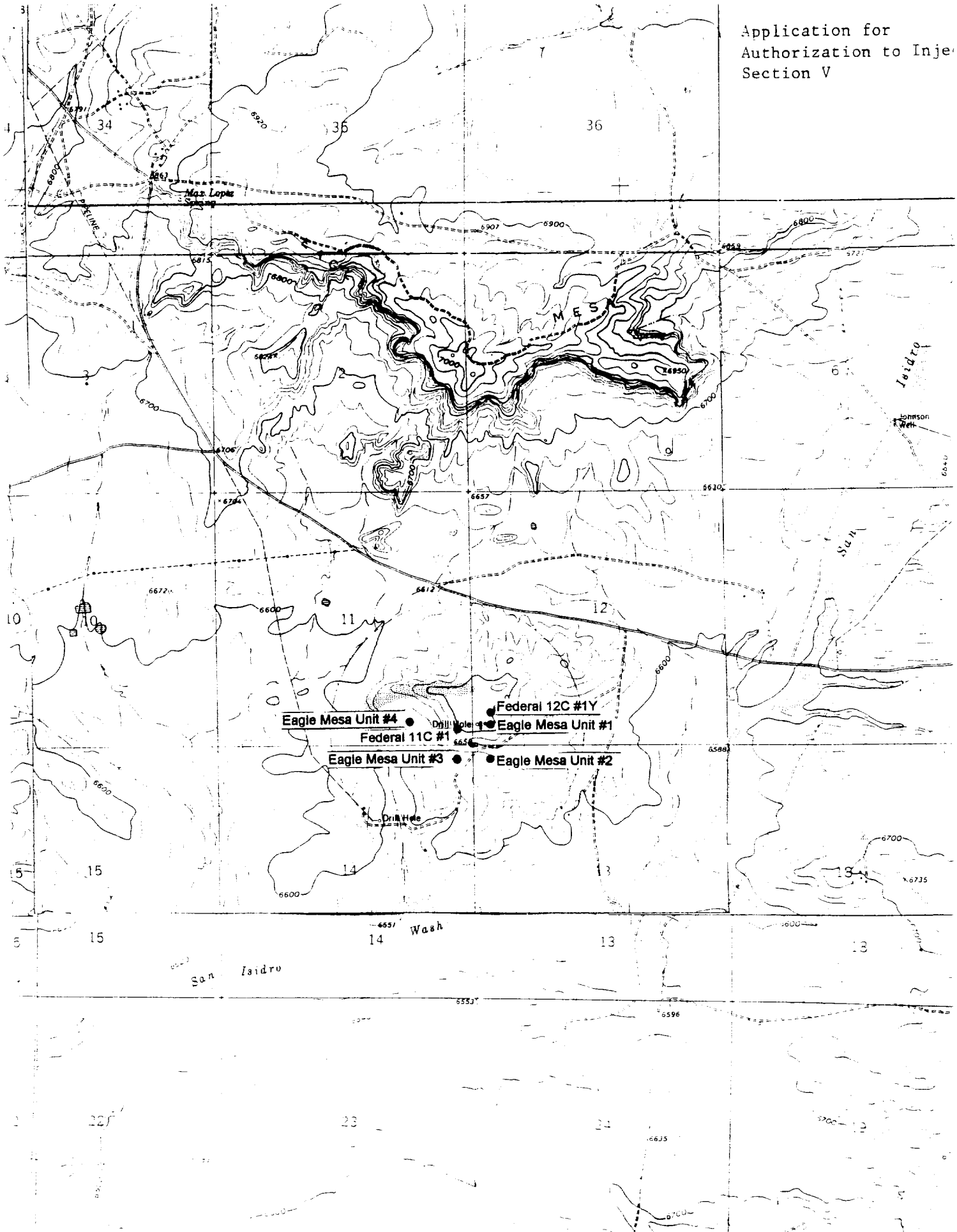
		Well Data									
Well Name	Type	Construction			Hole Size	Cement Record	Spud Date	TD			
		Casing Size/Grade	Wt., lb/ft	Depth Set							
Eagle Mesa Unit #1	Oil	10 3/4", J-55	40.5	207'	15"	Surface, 250 sx	9-30-94	6078'			
Eagle Mesa Entrada		7" J-55	23#	5724'	8 3/4"	Stage 1 - 3850', 242 sx		TVD = 5491'			
Horizontal Wellbore						Stage 2 - 3240', 450 sx					
						Sqz: 1675'-1878', 40 sx					
						2106' - 2294' w/60 sx					
Location		Surface: 460' fsl & 330' fwl,	Sec 12								
		Top Prod: 228.4' fsl & 239' fwl	T19N								
		TD: 196.4' fnl & 42.8' fwl	R4W		Sandoval County, NM						
Completion		Open Hole, No Stimulation									

		Construction							
Well Name	Type	Construction			Hole Size	Cement Record	Spud Date	TD	
		Casing Size/Grade	Wt., lb/ft	Depth Set					
Eagle Mesa Unit #2	Oil	10 3/4", J-55	40.5	228'	15"	Surface, 200 sx	3-21-95	6506'	
Eagle Mesa Entrada		7" J-55	23#	5355'	8 3/4"	Total 705 sx, 2 stages		TVD = 5435'	
Horizontal Wellbore		5 1/2" J-55	15.5#	5570'	8 3/4"	Cemented on 1st Stg			
Location		Surface: 430' fnl & 330' fwl,	Sec 13						
		Top Prod: 765' fnl & 271' fwl	T19N						
		TD: 1656' fnl & 90' fnl, Sec 14	R4W		Sandoval County, NM				
Completion		Open Hole, No Stimulation							

APPLICATION FOR AUTHORIZATION TO INJECT, SECTION VI

Well Name	Type	Construction			Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size		
Eagle Mesa Unit #3	Oil	10 3/4"		197'	15"	Surface, 200 sx	5662'
Eagle Mesa Entrada		7"		5347'	8 3/4"	2 stages	
		5 1/2"		5590'	8 3/4"	578 sx, 365 sx	
Location	330' fsl & 330' fwl, Sec 14, T19N, R4W			Sandoval County, NM			
Completion	Perforated 5442' - 5460', No Stimulation						
Well Name	Type	Construction			Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size		
Eagle Mesa Unit #4	Water Injection	8 5/8"	23#	229'	12 1/4"	150 sx	3700'
		5 1/2"	15.5#	3685'	7 7/8"	2 stages: 126 sx, 450 sx	
Location	460' fsl & 800' fwl, Sec 11, T19N, R4W			Sandoval County, NM			
Completion	Perforated 3048' - 3177', 3206' - 3270', 3350' - 3428', 3470' - 3596', No Stimulation						
Well Name	Type	Construction			Cement Record	Spud Date	TD
		Casing Size/Grade	Wt., lb/ft	Depth Set	Hole Size		
Federal 12C #1Y	Oil (dry)	9 5/8"		187'		180 sx	5605'
Location	685' fsl & 330' fwl, Sec 12, T19N, R4W			Sandoval County, NM			
Completion	No Production Casing Set, Well Plugged after drilling						
	Cement Plugs in the following intervals:			5605' - 5450', 50 sx		Surface Plug, 10 sx	
				4590' - 4410', 50 sx			
				3340' - 3190', 50 sx			
				2350' - 2190', 50 sx			
				200' - 150', 30 sx			

Application for
Authorization to Inje
Section V



Application for Authorization to Inject, Section V

The map on the preceding page indicates a drill hole on the border of the 1/2 mile radius area of review. There is no record of any wellbore at this location in the Dwight's data nor in the NMOCD files in the Aztec office. Field inspection of the site yielded no further information. There was nothing to indicate that a well of any sort existed at this location.

Merrion Oil & Gas Corporation

Wellbore Schematic for Offset to Proposed Water Injection Well

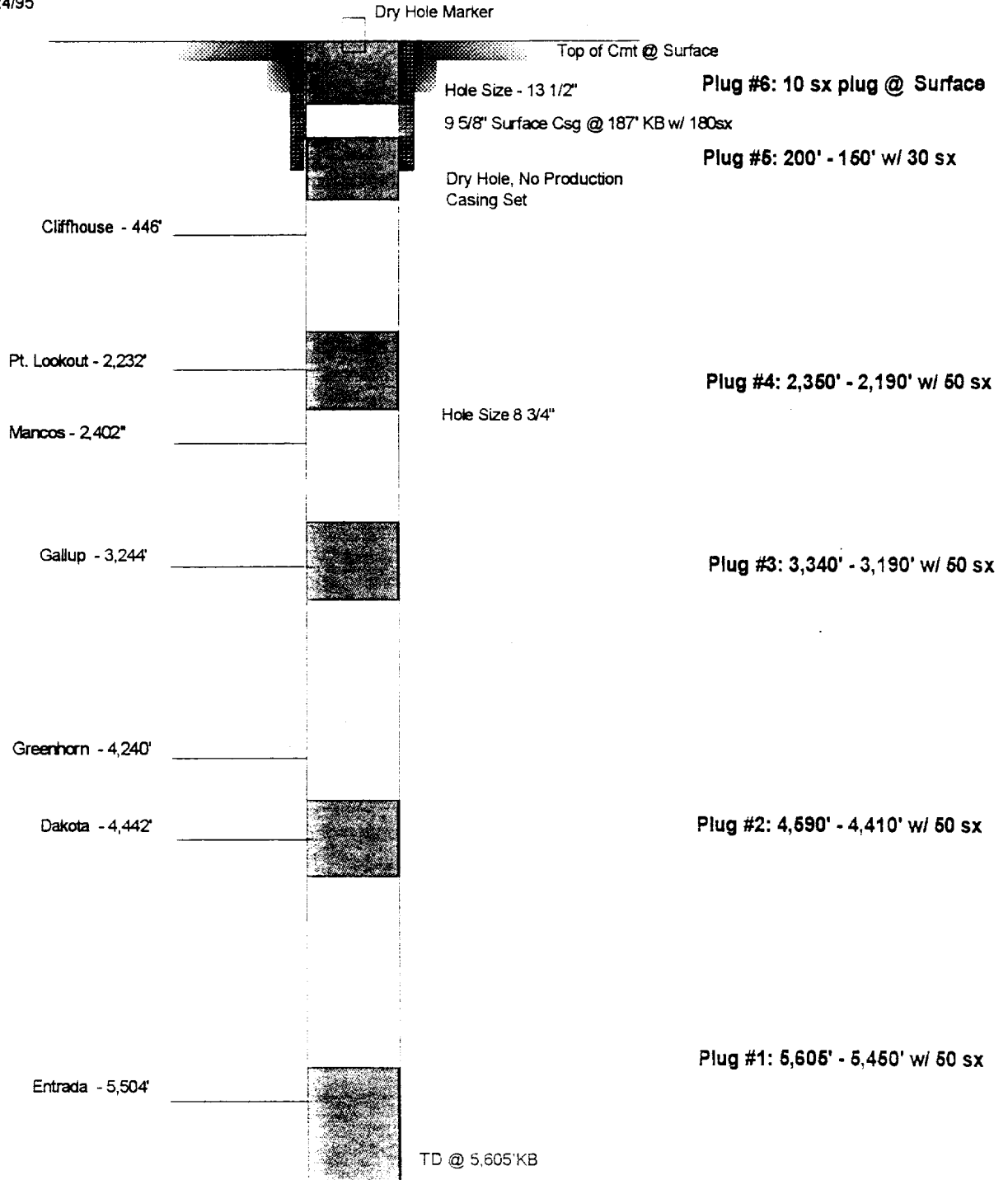
Federal 12C-1Y (Operator: Jordan Oil & Gas Co.)

Current Wellbore Configuration According to NMOCD Records

Location: 685°fsl & 330°fwl
Sec 12, T19N, R4W NMPM
Sandoval County, New Mexico
Prepared: 10/24/95

Elevation: 6,693' GL

By: Connie Dinning



Federal 11C #1, Convert to Water Injection			
VII. Operational Data			
1)	Ave Rate:	2-3 BPM	Daily Rate: 4000 BPD
2)	Open System		
3)	Ave. Pressure:	700 psi	Max Pressure: 1200 psi
4)	Reinjected produced water from same formation		
5)	Water Analysis Attached		
VIII. Geological Data			
	Injection Zone:	Todilto Sandstone (Eolian Dune Sand)	
	Thickness:	approx. = 250'	
	Top:	5469'	
	Overlaying this formation is a 10' layer of limestone and a 15' layer of anhydrite.		
According to engineering and geological review, there are no known formations in the area of review above or below the Entrada which contain water with < 10,000 ppm TDS.			
IX. Stimulation Program			
	The well will not be stimulated initially. However if injection volumes and pressures are not satisfactory, a fracture program may be proposed.		
X. Logging and Test Data			
	All logs are on file with the OCD office in Aztec		
XI. Fresh Water Analysis			
	There are no known fresh water zones in the area of review.		
XII. Engineering and Geology Review to Protect Fresh Water			
	There is little concern over hydraulic connection with other formations because there are no known fresh water zones in the area of review. The casing/hole annulus is cemented from 3,070' to TD, and there are low permeability formations between the Entrada and the top of cement, therefore there is no reason to believe hydraulic connections are present.		

PUBLIC NOTICE

Merrion Oil & Gas

P.O. Box 840

Farmington, NM 87401

Attn: Connie Dinning

Merrion Oil & Gas proposes to convert a previously plugged and abandoned wellbore to a water disposal well to take produced water from the Eagle Mesa Entrada field. Injection Well Location: 330' T&I & 330' T&I, Sec. 11, T19N, R4W, Sandoval County, NM.

Injection Formation: Entrada

Depth of Injection Zone: 5,489'

Maximum Pressure: 1,200 psi

Maximum Rate: 12,000 barrels per

day

Interested parties must file objections

or requests for hearing with the Oil

Conservation Division, P.O. Box

2086, Santa Fe, New Mexico 87504-

2086 within 15 days of this notice.

Journal: October 24, 1995

STATE OF NEW MEXICO

County of Bernalillo

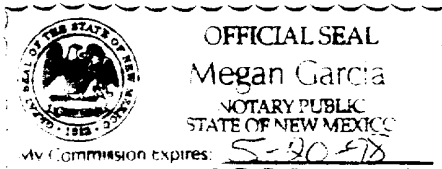
SS

Bill Tafoya being duly sworn declares and says that he is Classified Advertising manager of **The Albuquerque Journal**, and that this newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Session Laws of 1937, and that payment therefore has been made or assessed as court cost; that the notice, copy of which is hereto attached, was published in said paper in the regular daily edition, for 1 times, the first publication being of the 24th day of October, 1995, and the subsequent consecutive publications on _____, 1995

Sworn and subscribed to before me, a notary Public in and for the County of Bernalillo and State of New Mexico, this 24th day of Oct, 1995

PRICE

\$14.47
Statement to come at end of month.



Megan Garcia

CLA-22-A (R-1/93) ACCOUNT NUMBER C81582