7/	20/06 8-	6 6 WIZLL JONES LOGGED IN 7/21/06 THE SWD APP NO. OTD SO 620248953
DATE IN	Sespens	2 66 WILL SONES LOGGED IN 7721/06 THE SWD APP NO. 070 50620248953
		ABOVE THIS LINE FOR DIVISION USE ONLY
]	NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -
		1220 South St. Francis Drive, Santa Fe, NM 87505
		ADMINISTRATIVE APPLICATION CHECKLIST
тн		ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS
pplica	ation Acronym	WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
	[DHC-Down [PC-Po	ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] lified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
1]		PLICATION - Check Those Which Apply for [A]
	[A]	Location - Spacing Unit - Simultaneous Dedication
		One Only for [B] or [C]
	[B]	Commingling - Storage - Measurement
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	[D]	Other: Specify
2]	NOTIFICAT	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners
	[B]	Offset Operators, Leaseholders or Surface Owner
	[C]	Application is One Which Requires Published Legal Notice
	[D]	Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E]	For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F]	Waivers are Attached
3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE ATION INDICATED ABOVE.
4]	CERTIFICA	FION: I hereby certify that the information submitted with this application for administrative

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Print or Type Name

Signature

Title

Date

and the second sec

e-mail Address



Certified Mail 7005 1820 0002 8596 1482

2006 JUL

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July 18, 2006

Will Jones NMOCD 1220 S. St. Francis St. Santa Fe, NM 87505

SUBJECT:	PRETTY LADY 30-11-34 NO. 1 AMENDMENT TO SWD PERMIT
Dear Mr. Jone	(Swp-103T)

Merrion Oil & Gas proposes to permit the Mesaverde zone for injection in the subject wellbore. We are not certain whether we will complete the previously approved Morrison and Entrada zones in addition to the Mesaverde. We propose to test the Mesaverde and see if it will take sufficient volume to meet our disposal needs. If it is insufficient, we would complete the two deeper zones for injection as well. The information required for your evaluation of the Mesaverde portion of the project is attached.

If you have questions about this project, please call me at 505.324.5326 or email me at cdinning@merrion.bz.

Sincerely,

Connie S. Dinning/ Production Engineer

Enclosures

csd

Cc: NMOCD Aztec Office, Well File

Proposed Amendment to SWD-1034 for Pretty Lady 20-11-34 No. 1 (API# 30-045-30922) Add Mesaverde as an injection zone.

Items I – V: No Change

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Item VI : The Martin 34 No., a Dakota completion, is the only well that penetrates the Mesaverde within the $\frac{1}{2}$ mile radius area of review. Data about this well was taken from the NMOCD website. A wellbore schematic is attached. The well was drilled in 1961. It had holes in the casing, but they were squeezed and pressure tested to 1500 psi. The Mesaverde was isolated by the first squeezes in 1969. The shallow zones were isolated by a squeeze job in 1971. ConocoPhillps ran a liner in 2000 to further isolate the Mesaverde.

Item VII – IX: Data summaries for these sections regarding the Mesaverde are attached as is a wellbore diagram.

Item X: Logs are on file with the NMOCD

Item XI: No change from original permit application

Item XII: No change in affirmative statement

Item XIII: Proof of Notice for Mesaverde attached.

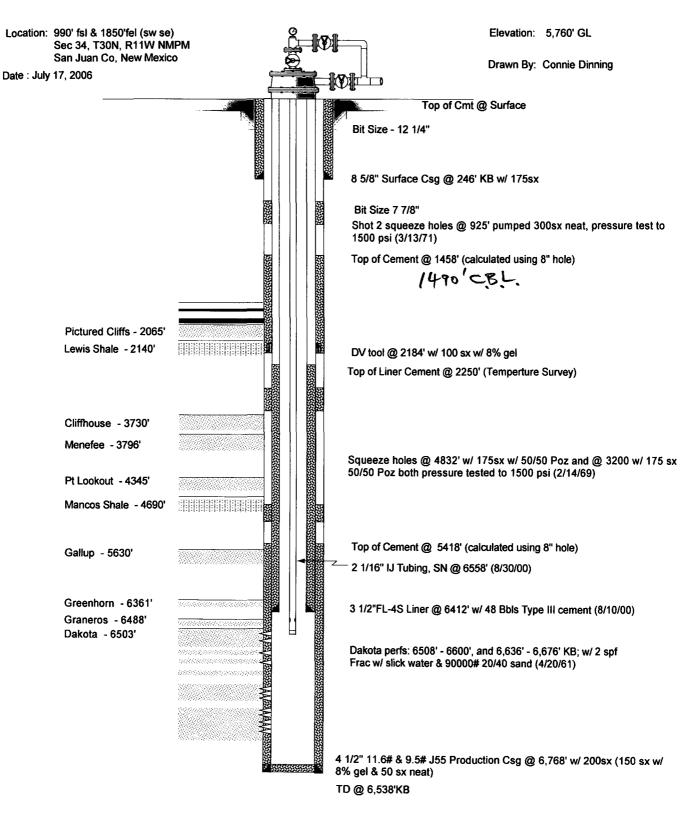
Item XIV: Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: <u>Connie Dinning</u>	Title:	Prod	uction Engineer	
SIGNATURE:	2	DATE:	7/18/06	
E-MAIL ADDRESS: cdinning(@merrion.bz			

Wellbore Schematic

Martin 34 No. 2 (Operated by Conoco Phillips)

Current Wellbore Configuration, Data from NMOCD website



SPUD: Mar 21, 1961 COMPLETED: Apr 5, 1961

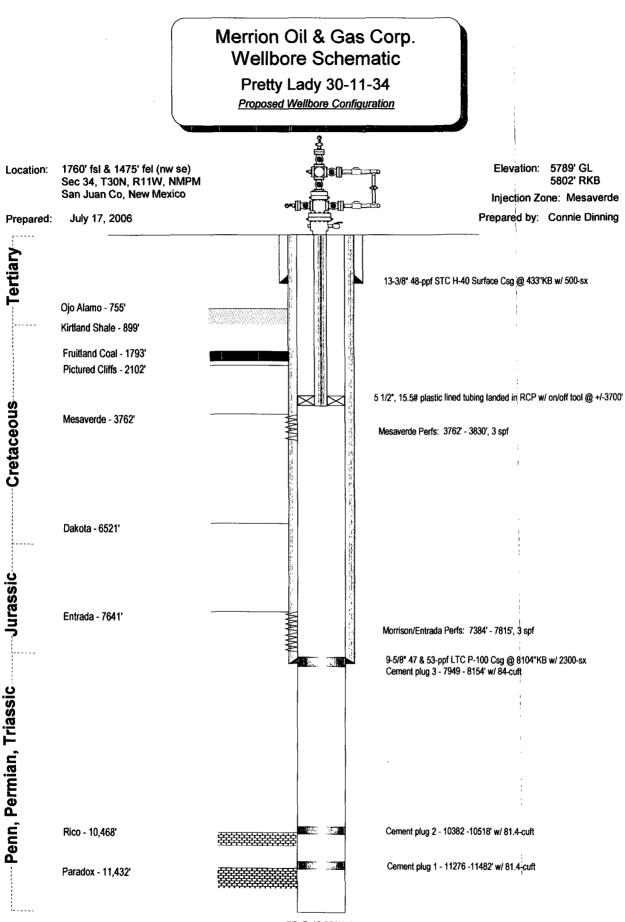
Pretty Lady 30 11 34, Salt Water Disposal Well

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Amendedment to original permit application to add Mesaverde

VII.

1)	Ave Rate:	10000 BPD	Max Daily Rate:	12000 BPD	
2)	Ave. Pressure:	800	Max Pressure:	828 psi	•
3)	Annular Fluid:	Packer fluid oxygen scav	• •	g corrosion inhibitor and	1
4)	Injection Fluid Ar	nalysis, No cha	ange from original a	application	
5)	but according to and analysis fror	n is provided in the Four Corn n MOG produc	ers Geological Soc	ity of the Mesaverde	



TD @ 12,551' KB

Merrion Oil & Gas

Pretty Lady 30-11-34 Proposed Stimulation Procedure for Mesaverde

The subject well will be stimulated in a single stage with a spearhead of 1500 gal of 15% HCL and frac'd w/ slick water and 20/40 mesh sand as follows:

Pad Stg 1	25000 gal slick water	No Sand
Stg 2	20000 gal slick water	0.5 ppg
Stg 3	20000 gal slick water	1.0 ppg
Stg 4	60000 gal slick water	2.0 ppg
Flush Stg 6	1927 gal slick water	No Sand
		1

Total – 126,927 Bbls Fluid 120,000 # proppant at 60 BPM

The detail design may vary depending upon frac string size, etc.

Merrion Oil & Gas

VIII. Mesaverde Geological Information for Amended SWD Permit

A. The proposed injection zone is the Mesaverde (MV)

The section of the MV (Cliffhouse) of interest for the proposed SWD well is a transgressive sandstone.

The Blanco MV pool lies to the northeast of the proposed SWD well. It ranges from 700' to 1100' thick, and it consists of sandstones, shales and coals. The porosity is 10% to 16% with a water saturation of 30% to 40%. The salinity varies greatly through the pool. The Crouch Mesa MV pool to the southwest has a water salinity of around 38,800 TDS. MOG has Mesaverde producing wells in section 5, T29N, R11W with a TDS of 24,000 ppm and in section 36 of T30N, R12W with a TDS of 33,900 ppm. This indicates that the Mesaverde in this area has high salinity, and would be a good candidate for SWD.

The nearest MV production is from the Blanco MV pool. According to Dwight's data, there are no MV producers in Sections 33, 34, or 35 of T30N, R11W. There is one ConocoPhillips MV to the south in Section 1 of 29N and 11W. There are some Burlington (now ConocoPhillips) MV producers to the north in 26, 27 and 28 of 30N and 11W. These are all about a mile away from the proposed disposal well. No interference has been noted in the Blanco MV wells from the existing SWD well in section 3 of T29N and R11W.

- B. Water Bearing Zones
 - a. Underlying the Proposed Injection Zones: There are no known fresh water formations underlying the injection zone. Zones below the Morrison and Entrada were discussed in the original SWD application. The Dakota formation lies below the Mesaverde, and above the Morrison. Basin Dakota salinity varies, but it is gerally no lower than 17,000 ppm TDS.
 - b. Overlying the Proposed Injection Zones: All overlying zones were discussed in the original permit application.

Merrion Oil & Gas	Legal Notices 152
Aerrion Oil & Gas 10 Reilly Avenue armington, NM 87401 thr: Connie Dinning. Aerrion Oil & Gas pro poses to amend plans to install commercial pro duced water disposal fa cilities at the Pretty Lady 30-11:34 No 1 to in clude the Mesaverde for mation. he facility will dispose of	produced water by off bading into closed top tanks and injecting into the Pretty Lady 30-11-34 No. 1 Well Location: 1760' fsl & 1475' fel, Section 34, T30N, R11W, San Juan County, NM Formation Name & Depth Mesaverde, 1262' 3830' and Mon

Aug-02-06 04:44pm From-Marrien Oil & Gas Corp.

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FAX 334-6170

C104AReport

1000 Nio Brazos Rd., Azier, NM \$7410 Phana:(\$05) \$34-6178 Fax:(\$05) \$34-6170

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Change of Operator

Previous Opera	ter Information	New Operator)	Information	
		Effective Date:	B/2/2006	
OGRID:	14538	_OGRID:	14634	
Name:	BURLINGTON RESOURCES OIL & GAS COMPANY LP	Name:	MERRION OIL & GAS CORP	
Address:	3401 K 307H STREET	Address:	STO REILLY AVE	
Address:		Address		
City, State, Zip:	PARMINGTON, NM 87402	_ City, State, Zip:	FARMINGTON, NM 874012634	

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information on this form and the certified list of wells is true to the best of my knowledge and belief.

Previous	Operator	New Oper	rstor A
Signature	Hunt Formel	Signature;	George Sharger
Printed Name:	Junita Farrell	Printed Name	George Sharre
Title:	-Regulatory Analyst	Title:	Manager, Oili Gas Investments
Date:	8/2/0/6_ Phone: 505 321-9597	Date:	8-2-06 Phone 505-324-5300

http://www.ennrd.state.nm.us/OCD/OCDPermitting/Report/C104A/C104AReport.aspx?PermitD=31,115,... 8/2/2006

Form C-145 Permit 35391

Jones, William V., EMNRD

From:	Connie Dinnir	ng [cdinning9804@qw	rest.net]	
Sent:	Tuesday, Aug	just 15, 2006 3:33 PM	l	
To:	Jones, Williar	n V., EMNRD		
Cc:	'Steve Dunn'			
Subject	RE: Change t	o SWD Permit		
Just called Thanks CSD	Charlie, and h	e said he would appro	ove it, but he didn't say whe	en.
Sent: Tue To: Connie	sday, August 1	5, 2006 3:21 PM	m.V.Jones@state.nm.us]	
Hello Conr Would you		timate of when Merric	on will get the Change of Op	perator done?
Regards,				
William V.	Jones	Engineering Bureau	Oil Conservation Division	Santa Fe
Sent: Tue To: 'Conni		1, 2006 1:38 PM		
Hey Conni Thanks for that would	that - having t	rouble printing the pic	ture from WORD but that is	typical here. If you have it as a TIF or other picture file,
l understar prior to gra	nd that Merrion anting a permit,	still needs to get the due to the new Rule	operator change processed 40 issues.	- the attorneys here are saying that needs to be done
Catanach	is the pressure	increase person, but	we have rarely extrapolate	d data from one well to the other unless in a waterflood.
I hope you deeper tha	get a copy of t in the Cliff Hou	he mudlog from the p se. Steve Hayden ma	revious operators. A sham ay have some ideas?	e that a well this deep cannot have an injection interval
Have a nic	e week,			
William V.	Jones	Engineering Bureau	Oil Conservation Division	Santa Fe
Sent: Mor	nnie Dinning [n iday, July 31, 2 William V., EM		qwest.net]	

Jones, William V., EMNRD

RD	
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Sent: Thursday, July 27, 2006 1:32 PM

To: 'Connie Dinning'

Cc: Hayden, Steven, EMNRD

Subject: RE: Change to SWD Permit

Hello Connie Dinning:

No 8/1/06 7/20/06

We received your request to amend SWD-1034 by adding the Cliff House interval of the Mesaverde in the Pretty Lady 30-11-34 No. 1 and have the following comments.

We received the newspaper notice, but not the proof of notice to ConocoPhillips, the landowner, or other affected parties as defined in rule 701B2 (our version of this rule on the Web is being corrected today to include lessees if no operator exists and mineral owners if no lessee exists.) To complete the required notice, send us copies of the proofs.

The proposed Cliff House interval is the same as is being used in Basin Disposal Inc's Disposal #1 located about 4400 feet southwest. They have submitted requests to increase the injection pressure. Our Division inspectors in Aztec are available to talk about any issues with that well if any. The amended permit will likely require a swab test and water sample specifically from the Cliff House. Also as you know the surface injection pressure limit will be reduced by moving your top perforation up the hole - unless and until you establish a higher pressure limit by running a Step Rate Test.

Regards,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

need Merrion CHarge of Operator

 Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. Complete items 3, 4a, and 4b. DPrint your name and address on the reverse of this form so that we can return this card to you. Third stack this form to the front of the maliplece or on the back if space does not permit. Differ Pairum Receipt Matusceot^a on the article was delivered and the date to the date below the studie number. 	n so that we can return this ack it space does not ow the article number. Unlivered and the date	n the reverse sid
5	7004 0100 0005 2529 7536	o bətəl Lü A
E cluctgen Resources 2198 Bloomfield Highway Famington, NM 87401	Centified	ConocoPhilips (Burlington) P. O. Box 4289 Farmington, NM 87499
		2 Red Millinger
B 5. Received By. (Print Name)	8. Addressee's Address (Only if requested and fee is paid)	B. Addressee's Address (Only If requires in the second sec
5 Signature Addressee or Agent)		E et Stinature (Addressee or Agent)
PS Form 3811, December 1994	102595-99 B-0223 Domestic Return Receipt	P.S. Form 3811 , December 1994 102555-59-B-0223 Domestic Ret
SENDER: Complete items 1 and/or 2 for additional services. Complete items 1 and/or 2 for additional services. Complete items 3, 4a, and 4b. D Pint your shafte and address on the reverse of this form so that we can return this card to your sector and the malphece, or on the back if space does not parmit. D Write 'Return Receipt Mequested' on the malphece below the article number of the malphece to the malphece and the article was delivered and the dete-	 I also wish to receive the following services (for an extra fee): I. □ Addressee's Address 2. □ Restricted Delivery 	Sebis everse side?
m	7006 D100 0005 2529 7512	o betel w
	4b: Service Type Registered Express Mail Return Receipt for Merchandise	Lcc M. Craine P. O. Box 516 Azrec, NM 87410 C. E. Express Mail
RENAM MOSS	7.2008	A Date of Delivery
5. Received By: (Print Name) My Club W. C. C. Signature Addressee or Agent)	8 Addressee's Address (Only if requested and fee is paid)	5. Received Br (Part Name) E A Structure (Addressed of Anon) 5. Kesting (Brink Name) 5. Kesti
PS Form 381	102595-99-B-0223 Domestic Return Receipt	
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