, '	PTG-W
DATE	15, I SUSPENSE ENGINEER WA LOGGED IN 41/5/1/ THE SWD AP NO. 1/10546847
Le E	ABOVE THIS LINE FOR DIVISION USE ONLY NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau - 1220 South St. Francis Drive, Santa Fe, NM 87505 Mul Ja war SWD 30
	ADMINISTRATIVE APPLICATION CHECKLIST
٦	IIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appli	ation Acronyms: [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF APPLICATION - Check Those Which Apply for [A] [A] Location - Spacing Unit - Simultaneous Dedication [A] NSL [NSL NSP
	Check One Only for [B] or [C] [B] Commingling - Storage - Measurement DHC CTB PLC PC OLS OLM
	[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
	[D] Other: Specify
[2]	NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Does Not Apply [A] Working, Royalty or Overriding Royalty Interest Owners
	[B] 🗍 Offset Operators, Leaseholders or Surface Owner
	[C] Application is One Which Requires Published Legal Notice
	 [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] X For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F] Waivers are Attached
[3]	SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.
	CERTIFICATION: I hereby certify that the information submitted with this application for administrative al is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this ation 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.
Mar	A. Fairchild Mark A. Fairchild Senior Operations Engineer 2/28/2011

Print or Type Name

Signature

 Title
 Date

 MFairchild@Conchoresources.com

e-mail Address

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

I.

II.

III.

IV.

V.

VI.

VII.

IX.

*X.

XII.

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION FOR AUTHORIZATION TO INJECT PURPOSE: Pressure Maintenance Disposal Storage Secondary Recovery Application qualifies for administrative approval? Yes No **OPERATOR:** COG Operating, LLC. ADDRESS: 550 West Texas, Ste 100, Midland TX 79701-4287 PHONE: 432-686-3021 CONTACT PARTY: Mark A. Fairchild 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. Is this an expansion of an existing project? Yes <u>X</u>No If yes, give the Division order number authorizing the project: 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. 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. Attach data on the proposed operation, including: 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 geologic data on the injection zone including appropriate lithologic detail, geologic 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. Describe the proposed stimulation program, if any. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. 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 sources of drinking water. 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.

DATE: 3/3/2010

NAME: Mark A. Fairchild TITLE: Sr. Operations Engr.

SIGNATURE: Mark A. Fairchild

E-MAIL ADDRESS: MFairchild@Conchoresources.com

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 circumstances of the earlier submittal:

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

INJECTION WELL DATA SHEET

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OPERATOR: COG Operating, LLC.

WELL LOCATION: 1350 FNL; 770 FEL	I	30	175	32E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBORE SCHEMATIC	*Cement volumes will increase of those shown on this application to account for hole conditions unknown at this time.	WELL CONSTR Surface Casing	WELL CONSTRUCTION DATA Surface Casing	
	Hole Size: 17 1/2"		Casing Size: 13 3/8"	F
	Cemented with:	sx.	or 278	ft ³
133.8" Surface Csg Set @ 400'	Top of Cement: Surface		Method Determined: Circulate	Circulate
		Intermediate Casing	e Casing	
	Hole Size: 12 1/4"		Casing Size: 9 5/8"	
	Cemented with:	SX.	or 1,253	fra the second s
L > 9 5.8" Intermediate Csg Set @ 4,000'	Top of Cement: Surface		Method Determined: Circulate	Sirculate
		Production Casing	L Casing	
	Hole Size: 8 3/4"		Casing Size: 7 "	
	Cemented with:	sx.	or 1,614	ft ³
	Top of Cement: Surface		Method Determined: Circulate	<u> Circulate</u>
7" Long String Set @ 10,300'	Total Depth: 10,300'			
		Injection Interval	ntemval	

(Perforated or Open Hole; indicate which)

Jet perforated: 9,550 feet to 9,850'

Side 1

INJECTION WELL DATA SHEET

Lining Material: Internally plastic coated Tubing Size: **3 1/2" EUE**

Type of Packer: Double grip type, set in neutral

Packer Setting Depth: no more than 100' above top perf

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? **X** Yes

γ

If no, for what purpose was the well originally drilled?

- 2. Name of the Injection Formation: Wolfcamp Reef
- 3. Name of Field or Pool (if applicable): None
- 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

No, none

Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Ś.

San Andres @ 3,750' ; Yeso @ 5,425'



ATTACHMENT TO APPLICATION C-108

COG Operating Inc. Maljamar SWD 30 #2 Sec. 30, T-17-S, R-32-E Lea County, NM

- III. WELL DATA See attached on reverse side of form as requested.
- V. MAP ATTACHED
- VI. LIST OF WELLS AND DATA ATTACHED.
- VII. PROPOSED OPERATIONS
 - 1. The injection volume will average 10,000 to 15,000 BWPD while the maximum injection volumes are expected to be 20,000 BWPD.
 - 2. This will be a closed loop system.
 - 3. Proposed average injection pressure: Vacuum

Proposed maximum injection pressure: 1900 psig

- 4. Analysis attached, only produced water.
- This well is not yet drilled. COG will swab the formation and recover fluid samples for analysis and reporting to NMOCD. Research disposal zone formation water and attach and chemical analysis.
- VIII. SEE ATTACHED
- IX. SEE ATTACHED
- X. Logging and test data will be run on the well when drilled.

- XI. No fresh water found or recorded by state engineer or OCD.
- XII. The disposal formation will have several thousand feet of overburden on top of it.
 In these several thousands of feet of impermeable shale and evaporate zones of various thickness exits. These zones will stop any hydraulic communication between geologic strata.
- XIII. Notice (this application) has been sent to the surface owner (NMSLO) and to each leasehold operator within a half mile as required.

1

COG SENM SWD Well Questionnaires Date: 2/28/11

By: Mark A. Fairchild, Office: 432-686-3021 Note: Answers to questions in this color

What will be the well name? Maljamar SWD 30 #2

What logs have been/will be run in the well? Logs will be run as follows: porosity and resistivity

How will you re-enter/drill/convert the well? The well will be drilled 100% with rotary tools.

How will you test the mechanical integrity of the casing? A State of New Mexico supervised MIT test to 500 psig will be run on the tubing/casing annulus.

What size tubing do you plan to use? The tubing will be 3 1/2" Nominal OD.

How will tubing be internally lined? The tubing will be internally plastic coated.

What type packer will be used? A nickel plated compression set packer will be utilized.

Where will packer be set? Within 50 to 100' above the top perforation.

Will there be any other type of casing/tubing seal? No.

What is the fracture gradient? Approx 0.75

Will the well be stimulated? Yes

If yes, how will the well be stimulated? Large conventional acid job.

Into what perforated intervals will you inject? Wolfcamp Reef, between 9,500 and 9,700'

What will be the average daily volume injected? 10-15,000 BWPD

- What will be the maximum daily volume injected? 20, 000 BWPD
- What will be the average injection pressure? Vacuum
- What will be the maximum injection pressure? 1900 psig

Will water be trucked or piped to the well? Piped

What wells will dispose into it?

Various wells owned exclusively by COG on our SWD water line system

Any non-COG wells? No outside operated water will be disposed of.

What surface facilities (e.g.; tanks, pumps, filters) will be installed? 4 - 750 Bbl water storage tanks, 1 - 1,000 Bbl Gun Barrel

2 - 500 Bbl steel tanks, 1 - 400 BHP H pump

Do you have an analysis of the produced water you plan to inject? Yes

Do you have an analysis of the formation water into which you'll inject? No, these well are on a vacuum and do not produce.

How will the geology prevent migration into fresh water zones (e.g., thickness of shale or salt layers)? Various impervious geological barriers exist between the Wolfcamp and the surface.

Will the system be open or closed? Closed

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240 State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT IV 1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

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DISTRICT II

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WELL LOCATION AND ACREAGE DEDICATION PLAT

1220 0. 01. 11. 10.000									
API Number			1	Pool Code			Puol Name		
Property Cod	l			Property Name			Well Num	ber	
MALJAMAR SWD 30							2		
OGRID No.				cc	Operator Name			Elevation 391	
					Surface Locati	on			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
н	30	17-S	32-E		1350	NORTH	770	EAST	LEA

 - 30	17-5	32-E		1550	NORTH	770	EAST	
 Bottom Hole Location If Different From Surface								
 	T			······				

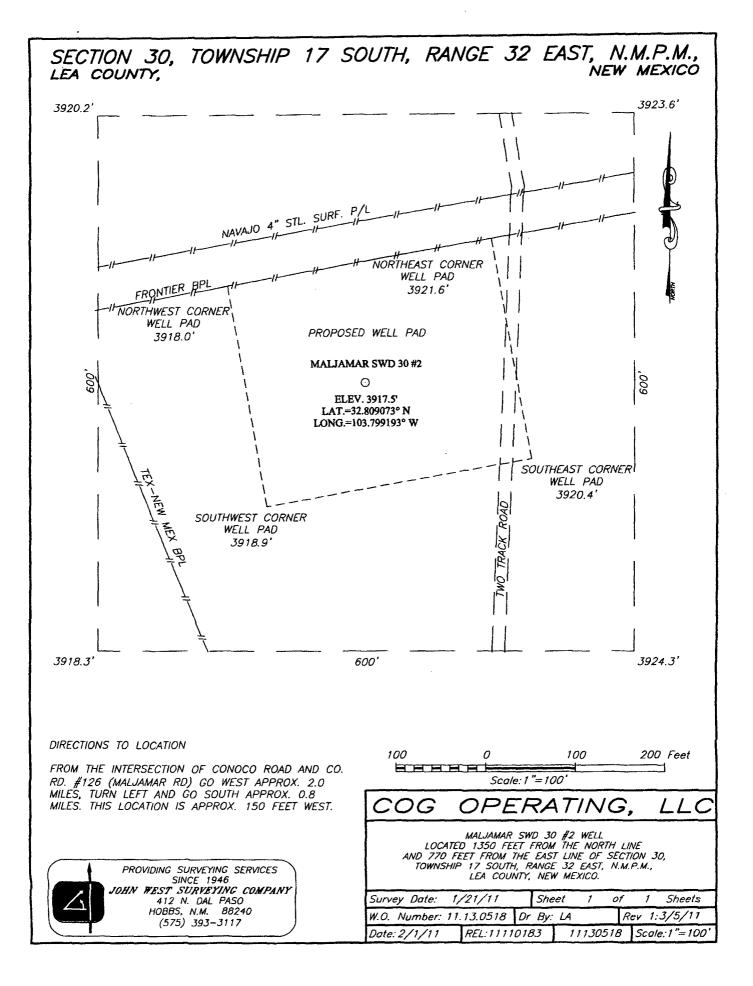
UL or lat No.	Section	Township	Range	Lot Ida	Fect from the	North/South line	Feet from the	East/West line	County
1									
Dedicated Acres	Joint or In	fill Cor	solidation Code	Ord	er No.	I	L.,,	I	J

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

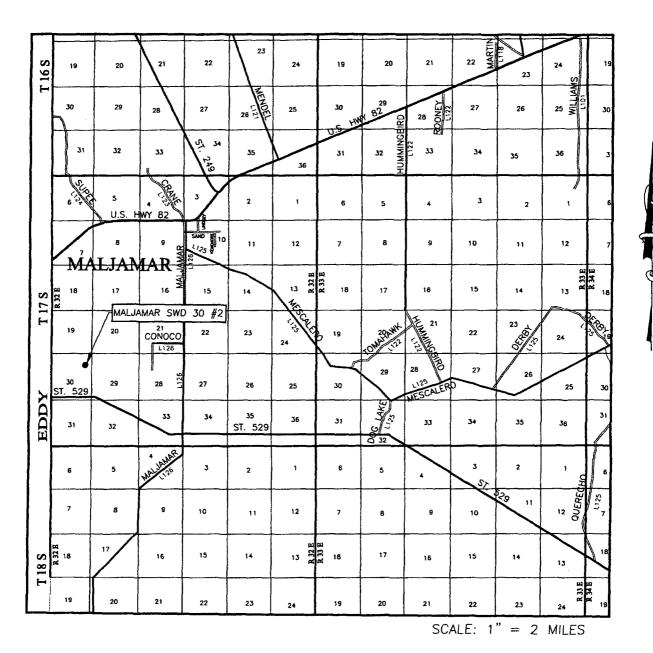
		-1350'	OPERATOR CERTIFICATION Joreby certify that the information barth is true and complete to the best of my knowledge and belief, and that this organization other owns a working instruct or unleased mineral interest in the land including the proposed bottom bole location or has a rights to drill this well at this tocation pursuant to a contract with an owner of such mineral or working interest, or to a volumity pooling agreement or a compulsary pooling order baretofare antered by the division.
GEODETIC COORDINATES NAD 27 NME Y=658466.4 N X=664111.2 E LAT.=32.809073* N LONG.=103.799193* W	DETAIL 3920.2'3923.6' '000 3918.3' 3924.3'	770'	Signature Date Printed Name
			JANUARY 21, 2011 Date Surveyed LA Signature & Seri of Professional Surveyor N ME (2011) Certificate No. GARY EIDSON 12841 RONALD & BEDSON 12841 MILLION SERISON 12841

Form C-102

AMENDED REPORT



VICINITY MAP

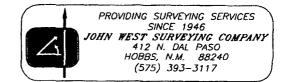


SEC. 30 TWP. 17-S RGE. 32-E

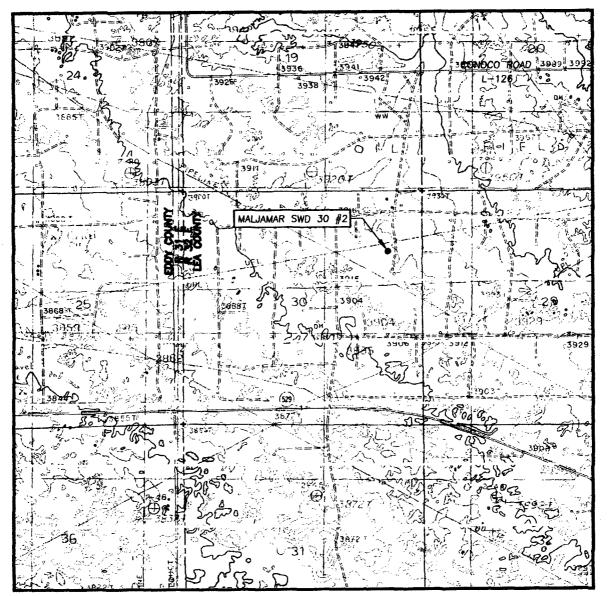
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SURVEY	N.M.P.M.
COUNTY	LEASTATE_NEW_MEXICO
DESCRIPTIO	N 1350' FNL & 770' FEL
ELEVATION_	3917'
_	COG OPERATING, LLC
LEASE	MALJAMAR SWD 30



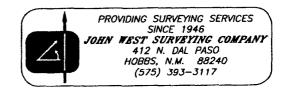
LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

SEC. <u>30</u> TWP. <u>17–S</u> RGE. <u>32–E</u>					
SURVEYN.M.P.M.					
COUNTY LEA STATE NEW MEXICO					
DESCRIPTION 1350' FNL & 770' FEL					
ELEVATION 3917'					
OPERATOR COG OPERATING, LLC					
LEASE MALJAMAR SWD 30					
U.S.G.S. TOPOGRAPHIC MAP MALJAMAR, N.M.					

CONTOUR INTERVAL: MALJAMAR, N.M. - 10'



Jones, William V., EMNRD

From: Sent:	Jones, William V., EMNRD Sunday, May 29, 2011 7:06 PM
To:	'Mark Fairchild'; 'Tye Orr'
Cc:	Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD
Subject:	Disposal application from COG Operating LLC: Maljamar SWD "30" #2 30-015-NA Wolfcamp Reef

Hello Mark:

This application also....

Would you please let me know the depth range you want permitted for disposal into this proposed well? The newspaper notice and parts of the application differ.

Also, please ask your geologist where the top of the Pennsylvanian is at this location.

This application is for a State well in Lea County. It appears there are no protests and this disposal permit will likely soon be granted.

Do you know if the APD and API number will be issued anytime soon?

Thank You,

William V Jones, P.E. Engineering, Oil Conservation Division 1220 South St. Francis Drive, Santa Fe, NM 87505 Tel 505.476.3448 ~ Fax 505.476.3462



Jones, William V., EMNRD

From:	Mark Fairchild [MFairchild@conchoresources.com]
Sent:	Tuesday, May 31, 2011 1:32 PM
To:	Jones, William V., EMNRD
Cc:	Ramon Reyes; Harvin Broughton; Robyn Odom; Kelly Holly
Subject:	Questions
Attachments:	COG SENM SWD Drilling Short Prognosis Maljamar SWD 30 #2.xlsx; COG SENM SWD Drilling Short Prognosis Loco Hills SWD 34 #5.xlsx; COG SENM SWD Drilling Short Prognosis Loco Hills SWD 33 #6.xlsx

Will in answer to your questions on the wells:

- 1. Attached are our Short form prognosis on each of the wells. The Penn top would be the same as that shown for the Cisco.
- 2. None of these wells is anticipated to be completed in any but the Wolfcamp reef intervals shown here and on the C-108.
- 3. Lemme no if this helps.

M.A. Fairchild

COG OPERATING LLC Office: 432-686-3021 Cell: 432-230-7170

₩СОПСНО

CONFIDENTIALITY NOTICE: The information in this email may be confidential and/or privileged. If you are not the intended recipient or an authorized representative of the intended recipient, you are hereby notified that any review, dissemination or copying of this email and its attachments, if any, or the information contained herein, is prohibited. If you have received this email in error, please immediately notify the sender by return email and delete this email from your system. Thank you.

COG SENM SWD Drilling

Well:	Maljamar SWD 30 #2	
Location:	1350 FNL; 770 FEL, Unit L	tr. H, Sec 30, T17S, R32E, Lea Co., NM
API:		
Permits:		
Regulatory: Notice Requirements:	NMOCD:	BLM: State Well
Notice Requirements.		

Objective:

/e: Drill and complete as a Wolfcamp reef SWD well. 7" L-80 casing set through the disposal interval.

Summary of Conduct of Operations:

Main Objective: Wolfcamp reef SWD well.
 Offset wells have encountered few to no drilling hazards.

Geology:

Rustler 700' Wolfcamp 9000 Primary Objective Yates 2025' Wolfcamp Reef 9500' Queen 3000 Cisco 9700' San Andres 3750' Cisco Reef 10,000' Yeso 5425' Tubb 6950' Abo 7550'

Logging Program:

See Geological prog, attached.

Bit & Casing Program:

			Casing		
Bit Size	Size	Wt	Grd	Connection	Footage
17 /12"	13 3/8"	48 ppf	H40	STC	+/- 400
12 1/4"	9 5/8"	36 ppf	J55	STC	3400'
		40 ppf	J55	STC	600'
				Total 9 5/8"	4000'
8 3/4"	7"	26 ppf	L80	LTC	10000'
8 3/4"	7"	26 ppf	L80-HCL	LTC	300'

Caeing

Total 7" 10,300'

Special Req: 1. Sand blast bottom 1500' of 7".

2. DV Tool at 8,000'

3. Two, 3, short joints, on top of DV and one as landing joint.

Cementing Program: v

Vendor: Rising Star Services See attached Cementing Data Sheet

Cementing Hardware:

Weatherford (Gemco) w/ PDC drillable on all floats and collars.

Well Control:

ol: All BOP's tested to 2000 psig by thrid party.

Mud System:

Hole	From	То	Туре	Wt	Vis
Surface	40	200	Fresh, Spud	8.9-9.4	32-34
Intermediate	400	4,000	Brine	9.8-10.2	28-30
Production	4,000	10,300	Fresh Water	8.4-8.8	28

Wellhead: see

see attached, Downing

Closed loop

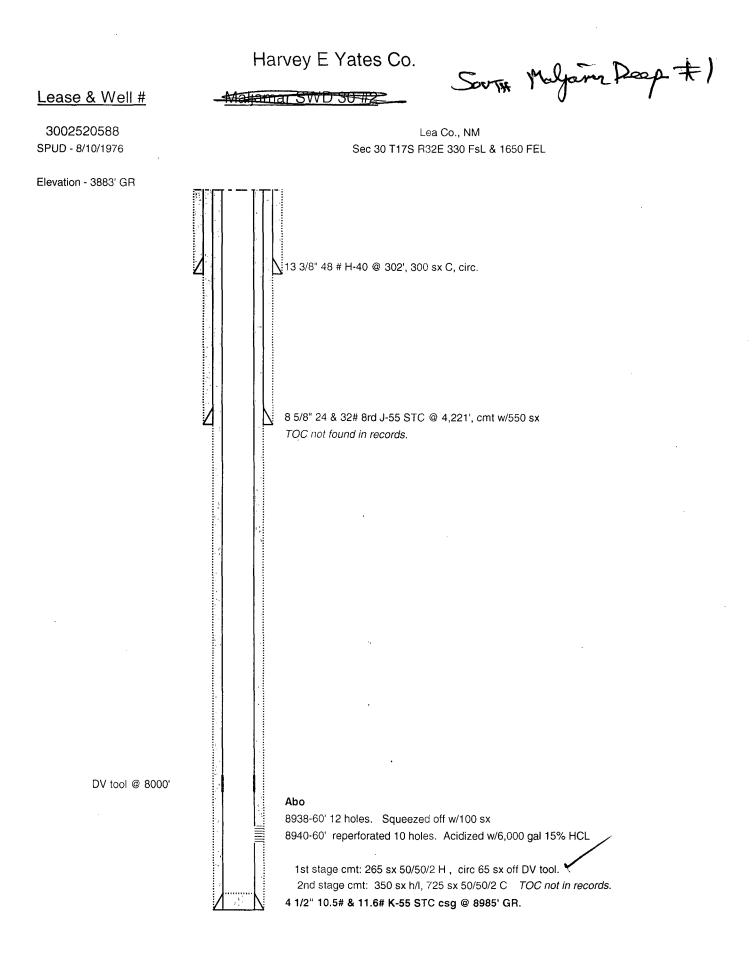
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COG Operating, LLC. NMOCD SWD Application, Additional Information

Empire State SWD 9 #4 Wells within area of review that penetrate proposed disposal interval: None Empire Federal/SW/D 10 #5 Wells within area of review that penetrate proposed disposal interv None Maljamar SWD 30 #2

Wells within area of review that penetrate proposed disposal interval:

API #: 3002520588 Well_Name: SOUTH MALJAMAR DEEP Property Number.: 001 Location: O-30-17.0S-32E, 330 FSL, 1650 FEL Lat:32.7992703506 Long:-103.80260797 Operator Name: HARVEY E YATES CO County: Lea Land Type: Federal Well Type: Oil Spud Date:1/1/1900 1 Plug Date:1/1/1900 1 Elevation GL: 0 Depth TVD: 10128



SHodges

Maljamar SWD 30 #2

Wells within area of review that penetrate proposed disposal interval:

API #: 3002520588 **Well_Name:** SOUTH MALJAMAR DEEP **Property Number.:** 001 **Location:** 0-30-17.0S-32E, 330 FSL, 1650 FEL **Lat:** 32.7992703506 **Long:**-103.80260797

Operator Name: HARVEY E YATES CO **County:** Lea

Land Type: Federal Well Type: Oil Spud Date:1/1/1900 1 Plug Date:1/1/1900 1

Elevation GL: 0 **Depth TVD:** 10128

Wells within area of review that do not penetrate proposed disposal interval:

API #: 3002523798 Well_Name: MCA UNIT Property Number.: 290 Location: D-29-17.0S-32E, 1295 FNL, 1295 FWL Lat:32.8092955151 Long:-103.79299049 Operator Name: CONTINENTAL OIL County: Lea Land Type: Federal Well Type: Oil Spud Date:1/1/1900 1 Plug Date:1/1/1900 1 Elevation GL: 0 Depth TVD: 0

API #: 3002500758 Well_Name: MCA UNIT # 110 Location: C-29-17.0S-32E, 660 FNL, 1980 FWL Lat: 32.8110401722 Long:-103.790752734 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: 7/16/1940 Plug Date: 4/24/2000 Elevation GL: 3937 Depth TVD: 4073 Pools associated:

API #: 3002523778 Well_Name: MCA UNIT # 288 Location: D-29-17.0S-32E, 65 FNL, 1295 FWL Lat:32.8126762863 Long:-103.792994925 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date:6/1/1993 1 Elevation GL: Depth TVD: API #: 3002500760 Well_Name: MCA UNIT Property Number.: 157 Location: F-29-17.0S-32E, 1980 FNL, 1980 FWL Lat:32.8074120273 Long:-103.790747924 Operator Name: CONOCO INC County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:6/29/1990 Elevation GL: Depth TVD:

API #: 3002500761 Well_Name: MCA UNIT # 158 Location: E-29-17.0S-32E, 1980 FNL, 660 FWL Lat:32.8074133299 Long:-103.795064508 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date:10/8/1940 Plug Date:9/6/1997 1 Elevation GL: 3926 Depth TVD: 3779 Pools associated:

API #: 3002535184 Well_Name: MCA UNIT Property Number.: 389 Location: E-29-17.0S-32E, 2300 FNL, 1000 FWL Lat:32.8065334573 Long:-103.793951483 Operator Name: CONOCO INC County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: 3930 Depth TVD: 0

API #: 3002523707 Well_Name: MCA UNIT # 270 Location: F-29-17.0S-32E, 2615 FNL, 1345 FWL Lat:32.8056673202 Long:-103.792822125 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4130 Pools associated:

API #: 3002500755 Well_Name: MCA UNIT # 169 Location: L-29-17.0S-32E, 1980 FSL, 660 FWL Lat:32.8037915417 Long:-103.795059757 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info]] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date: Elevation GL: Depth TVD: 3935 Pools associated: API #: 3002523767 Well_Name: MCA UNIT # 293 Location: K-29-17.0S-32E, 1345 FSL, 1345 FWL Lat:32.8020431265 Long:-103.792817467 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date:2/18/1998 Elevation GL: Depth TVD: Pools associated:

API #: 3002500756 Well_Name: MCA UNIT # 214 Location: M-29-17.0S-32E, 660 FSL, 660 FWL Lat: 32.8001633888 Long:-103.795055097 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: 10/6/1997 Elevation GL: Depth TVD: Pools associated:

API #: 3002500754 Well_Name: MCA UNIT # 170 Location: K-29-17.0S-32E, 1980 FSL, 1980 FWL Lat:32.8037855647 Long:-103.790743168 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info]] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 3964 Pools associated:

API #: 3002500758 Well_Name: MCA UNIT # 110 Location: C-29-17.0S-32E, 660 FNL, 1980 FWL Lat:32.8110401722 Long:-103.790752734 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date:7/16/1940 Plug Date:4/24/2000 Elevation GL: 3937 Depth TVD: 4073 Pools associated:

API #: 3002512764 Well_Name: MCA UNIT # 099 Location: P-19-17.0S-32E, 25 FSL, 25 FEL Lat:32.8129250562 Long:-103.797311858 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date:1/7/1947 1 Plug Date:3/16/2007 Elevation GL: 3936 Depth TVD: 3986 Pools associated: **API #: 3002508069 Well_Name: MCA UNIT # 098** Location: M-20-17.0S-32E, 660 FSL, 660 FWL Lat: 32.8146696148 Long:-103.795074029 **Operator Name:** CONOCO INC [<u>Operator and Lessee Info</u>] **County:** Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: 11/22/1999 Elevation GL: Depth TVD: **Pools associated: API #:** 3002523673 **Well_Name:** MCA UNIT # 264 Location: I-19-17.0S-32E, 1345 FSL, 25 FEL Lat: 32.8165532089 Long:-103.797317215 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info **County:** Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4060 **Pools associated:** API #: 3002508035 Well_Name: MCA UNIT # 060 Location: I-19-17.0S-32E, 1980 FSL, 660 FEL Lat: 32.8183028463 Long:-103.799396671 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info **County:** Lea Land Type: Federal Well Type: Oil Spud Date: 4/9/1946 1 Plug Date: Elevation GL: Depth TVD: 3725 **Pools associated:** API #: 3002508032 Well_Name: MCA UNIT # 259 Location: I-19-17.0S-32E, 1980 FSL, 860 FEL Lat: 32.8183041932 Long:-103.800050806 **Operator Name:** CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: 3/8/1971 1 Plug Date:7/23/1996 Elevation GL: 3949 Depth TVD: 5288 **Pools associated:** API #: 3002523739 Well_Name: MCA UNIT # 279 Location: P-19-17.0S-32E, 1295 FSL, 1295 FEL Lat: 32.8164243312 Long:-103.801470769 **Operator Name:** CONOCO INC [<u>Operator and Lessee Info</u>] **County:** Lea Land Type: Federal Well Type: Oil Spud Date:4/10/1971 Plug Date:9/20/1995 Elevation GL: 3933 Depth TVD: 4050 **Pools associated:**

API #: 3002508042 Well_Name: MCA UNIT # 059 Location: J-19-17.0S-32E, 1980 FSL, 1980 FEL Lat:32.8183116329 Long:-103.803713961 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date:5/25/1942 Plug Date:9/22/2004 Elevation GL: 3938 Depth TVD: 3995 Pools associated:

API #: 3002523745 Well_Name: MCA UNIT # 285 Location: J-19-17.0S-32E, 1345 FSL, 2615 FEL Lat:32.8165704514 Long:-103.805788263 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4060 Pools associated:

API #: 3002508043 Well_Name: MCA UNIT # 101 Location: 0-19-17.0S-32E, 660 FSL, 1980 FEL Lat:32.8146834809 Long:-103.803708604 Operator Name: CONOCO INC [<u>Operator and Lessee Info</u>] County: Lea Land Type: Federal Well Type: Oil Spud Date:11/12/1941 Plug Date:9/26/1995 Elevation GL: Depth TVD: 3695 Pools associated:

API #: 3002523732 Well_Name: MCA UNIT # 276 Location: P-19-17.0S-32E, 25 FSL, 1295 FEL Lat:32.8129336085 Long:-103.801465615 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info]] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4030 Pools associated:

API #: 3002512762 Well_Name: MCA UNIT # 106 Location: C-30-17.0S-32E, 50 FNL, 2635 FWL Lat:32.8127363924 Long:-103.805901094 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:3/21/2006 Elevation GL: Depth TVD: 3975 Pools associated: API #: 3002523848 Well_Name: MCA UNIT # 286 Location: M-19-17.0S-32E, 25 FSL, 1295 FWL Lat: 32.812951342 Long:-103.810282716 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info]] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4070 Pools associated:

API #: 3002500769 Well_Name: MCA UNIT # 107 Location: B-30-17.0S-32E, 660 FNL, 1980 FEL Lat:32.8110553227 Long:-103.803702502 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:2/22/2005 Elevation GL: Depth TVD: 4010 Pools associated:

API #: 3002524057 Well_Name: MCA UNIT # 306 Location: B-30-17.0S-32E, 1295 FNL, 2615 FEL Lat:32.8093141366 Long:-103.805776756 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4020 Pools associated:

API #: 3002500782 Well_Name: MCA UNIT # 216 Location: 0-30-17.0S-32E, 660 FSL, 1980 FEL Lat:32.8001795626 Long:-103.803688284 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date:3/21/2007 Elevation GL: Depth TVD: 4090 Pools associated:

API #: 3002524056 Well_Name: MCA UNIT # 305 Location: J-30-17.0S-32E, 1345 FSL, 2615 FEL Lat: 32.8020665373 Long:-103.805767245 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4100 Pools associated: API #: 3002500772 Well_Name: MCA UNIT # 165 Location: K-30-17.0S-32E, 1980 FSL, 1980 FWL Lat:32.8038166083 Long:-103.808029963 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 3965 Pools associated:

API #: 3002523855 Well_Name: MCA UNIT # 297 Location: F-30-17.0S-32E, 2615 FNL, 1375 FWL Lat:32.8056945065 Long:-103.81001117 Operator Name: CONOCO INC [<u>Operator and Lessee Info</u>] County: Lea Land Type: Federal Well Type: Oil Spud Date:8/20/1971 Plug Date:11/11/1994 Elevation GL: Depth TVD: Pools associated:

API #: 3002500774 Well_Name: MCA UNIT # 217 Location: N-30-17.0S-32E, 660 FSL, 1980 FWL Lat:32.8001884462 Long:-103.808024656 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date:1/24/1950 Plug Date:2/24/2005 Elevation GL: 3883 Depth TVD: 4033 Pools associated:

API #: 3002500774 Well_Name: MCA UNIT # 217 Location: N-30-17.0S-32E, 660 FSL, 1980 FWL Lat:32.8001884462 Long:-103.808024656 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date:1/24/1950 Plug Date:2/24/2005 Elevation GL: 3883 Depth TVD: 4033 Pools associated: API #: 3002524234 Well_Name: MCA UNIT # 323 Location: K-30-17.0S-32E, 1345 FSL, 1380 FWL Lat:32.8020753288 Long:-103.809989476 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4080 Pools associated:

API #: 3002500771 Well_Name: MCA UNIT # 164 Location: L-30-17.0S-32E, 1980 FSL, 660 FWL Lat:32.8038256412 Long:-103.812346561 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:9/11/1996 Elevation GL: Depth TVD: Pools associated:

API #: 3002500781 Well_Name: MCA UNIT # 215 Location: P-30-17.0S-32E, 660 FSL, 660 FEL Lat:32.8001707752 Long:-103.799371689 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:4/9/2001 1 Elevation GL: Depth TVD: Pools associated:

API #: 3002524009 Well_Name: MCA UNIT # 304 Location: I-30-17.0S-32E, 1345 FSL, 1295 FEL Lat:32.8020578469 Long:-103.801450651 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4175 Pools associated:

API #: 3002500776 **Well_Name:** MCA UNIT **Property Number.:** 166 **Location:** J-30-17.0S-32E, 1980 FSL, 1980 FEL **Lat:** 32.8038077226 **Long:** 103.803692944 **Operator Name:** CONOCO INC **County:** Lea **Land Type:** Federal **Well Type:** Injection **Spud Date:** 1/1/1900 1 **Plug Date:** 1/1/1900 1 **Elevation GL:** 0 **Depth TVD:** 0 API #: 3002520425 Well_Name: CARPER Property Number.: 001 Location: J-30-17.0S-32E, 2310 FSL, 2310 FEL Lat: 32.8047169346 Long:-103.804773257 **Operator Name:** FOREST OIL CORP **County:** Lea Land Type: Federal Well Type: Oil Spud Date:1/1/1900 1 Plug Date:1/1/1900 1 **Elevation GL:** 0 **Depth TVD:** 0 API #: 3002512781 Well Name: MCA UNIT # 161 Location: J-30-17.0S-32E, 2615 FSL, 2615 FEL Lat: 32.8055572669 Long:-103.805771729 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info] **County:** Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date: 4/18/2006 **Elevation GL: Depth TVD:** 4034 **Pools associated: API #:** 3002500780 **Well_Name:** MCA UNIT # 162 Location: F-30-17.0S-32E, 1980 FNL, 1980 FWL Lat: 32.8074358909 Long:-103.808035259 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info] **County:** Lea Land Type: Federal Well Type: Injection Spud Date: 9/11/1947 Plug Date:2/23/2005 Elevation GL: 3899 Depth TVD: 3978 Pools associated: **API #:** 3002524108 **Well_Name:** MCA UNIT # 310 Location: C-30-17.0S-32E, 1295 FNL, 1365 FWL Lat: 32.8093227334 Long:-103.81004913 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info] **County:** Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4025 **Pools associated: API #:** 3002523824 **Well_Name:** MCA UNIT # 295 Location: I-30-17.0S-32E, 1345 FSL, 25 FEL Lat: 32.8020492943 Long:-103.797297564 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] **County:** Lea

Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4160 Pools associated: API #: 3002500775 Well_Name: MCA UNIT # 167 Location: I-30-17.0S-32E, 1980 FSL, 660 FEL Lat:32.8037989357 Long:-103.799376349 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 3912 Pools associated:

API #: 3002524213 Well_Name: MCA UNIT # 319 Location: G-29-17.0S-32E, 2615 FNL, 1345 FEL Lat:32.8056647943 Long:-103.784446017 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4125 Pools associated:

API #: 3002523824 Well_Name: MCA UNIT # 295 Location: I-30-17.0S-32E, 1345 FSL, 25 FEL Lat:32.8020492943 Long:-103.797297564 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4160 Pools associated:

API #: 3002500775 Well_Name: MCA UNIT # 167 Location: I-30-17.0S-32E, 1980 FSL, 660 FEL Lat:32.8037989357 Long:-103.799376349 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 3912 Pools associated:

API #: 3002523930 Well_Name: MCA UNIT # 278 Location: G-30-17.0S-32E, 2615 FNL, 1345 FEL Lat:32.8056776187 Long:-103.801618811 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date:3/4/1998 1 Elevation GL: Depth TVD: Pools associated: **API #: 3002500770 Well_Name: MCA UNIT # 160** Location: G-30-17.0S-32E, 1980 FNL, 1980 FEL Lat: 32.8074271625 Long:-103.803697693 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info **County:** Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: 12/22/2003 **Elevation GL:** Depth TVD: **Pools associated: API #:** 3002524057 **Well_Name:** MCA UNIT # 306 Location: B-30-17.0S-32E, 1295 FNL, 2615 FEL Lat: 32.8093141366 Long:-103.805776756 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: **Elevation GL: Depth TVD:** 4020 Pools associated: **API #: 3002512798 Well_Name: MCA UNIT # 168** Location: I-30-17.0S-32E, 2615 FSL, 140 FEL Lat: 32.8055407989 Long:-103.797678114 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info **County:** Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: 3913 Depth TVD: 3995 **Pools associated: API #: 3002500784 Well Name: MCA UNIT # 159** Location: H-30-17.0S-32E, 1980 FNL, 660 FEL Lat: 32.8074183755 Long:-103.799381098 **Operator Name:** CONOCO INC [<u>Operator and Lessee Info</u>] **County:** Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date: 5/8/2000 1 **Elevation GL: Depth TVD: Pools associated: API #: 3002523789 Well_Name: MCA UNIT # 289** Location: B-30-17.0S-32E, 1165 FNL, 1345 FEL Lat: 32.8096630978 Long:-103.801624138 **Operator Name:** CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: 5/29/1971 Plug Date:3/14/2007 Elevation GL: 3910 Depth TVD: 4025 **Pools associated:**

API #: 3002535715 Well_Name: BRINE STATION Property Number.: 529 Location: O-30-17.0S-32E, 999 FNL, 999 FEL Lat:32.8101170412 Long:-103.800493265 Operator Name: I; W INC County: Lea Land Type: Federal Well Type: Miscellaneous Spud Date: Plug Date:2/4/1997 1 Elevation GL: 3599 Depth TVD: 99

API #: 3002523741 Well_Name: MCA UNIT # 281 Location: D-29-17.0S-32E, 1295 FNL, 25 FWL Lat:32.8092967193 Long:-103.797143567 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 4025 Pools associated:

API #: 3002500769 Well_Name: MCA UNIT # 107 Location: B-30-17.0S-32E, 660 FNL, 1980 FEL Lat:32.8110553227 Long:-103.803702502 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info]] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date:2/22/2005 Elevation GL: Depth TVD: 4010 Pools associated:

API #: 3002523743 Well_Name: MCA UNIT # 283 Location: I-19-17.0S-32E, 2565 FSL, 1295 FEL Lat: 32.8199150538 Long:-103.801475923 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: 4/24/1971 Plug Date: Elevation GL: 3936 Depth TVD: 4075 Pools associated:

API #: 3002508048 Well_Name: MITCHELL B # 015 Location: L-20-17.0S-32E, 1980 FSL, 460 FWL Lat: 32.8182979401 Long:-103.795733519 Operator Name: CONOCOPHILLIPS COMPANY [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Oil Spud Date: Plug Date: Elevation GL: Depth TVD: 5442 Pools associated: API #: 3002508068 Well_Name: MCA UNIT # 062 Location: L-20-17.0S-32E, 1980 FSL, 660 FWL Lat: 32.8182977504 Long:-103.795079386 Operator Name: CONOCO INC [Operator and Lessee Info] County: Lea Land Type: Federal Well Type: Injection Spud Date: Plug Date: 9/15/1995

Elevation GL: Depth TVD: Pools associated:

New Mexico Office of the State Engineer Point of Diversion by Location (with Owner Information)	Township: 175 Range: 32E
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The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, usability, or suitability for any particular purpose of the data. Page 1 of 1 Page 1 of 1 Page 1 of 1 Page 1 of 1 Page 1 of 1

Legal Notice April 3, 2011

COG Operating LLC is applying to drill the Maljamar SWD 30 #2 as a water disposal well. The well is located at 1350' FNL & 770' FEL, Sec. 30, T. 17 S., R. 32 E., Lea County, NM. The well will dispose of water produced from oil and gas wells into the Wolfcamp Reef zone at a depth of 9500' to 9700' at a maximum rate of 20,000 barrels of water per day and at a maximum pressure of 1,900 psi. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505, within 15 days. Additional information can be obtained by contacting Tye Orr, Veritas 321 Energy Partners, LP, P.O. Box 173, Midland, TX; phone number is (432) 349-4729.

Affidavit of Publication

State of New Mexico, County of Eddy, ss.

Kathy McCarroll, being first duly sworn, on oath says:

That she is the Classified Supervisor of the Carlsbad Current-Argus, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

April 5

2011

That the cost of publication is **\$44.09** and that payment thereof has been made and will be assessed as court costs.

el

Subscribed and sworn to before me this

day of My commission Expires on

Notary Public

OFFICIAL SEAL STEPHANIE DOBSON Notary Public State of New Mexic My Comm. Expires



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Actually Unit



April 3, 2011

New Mexico State Land Office 310 Old Santa Fe Trail Santa Fe, NM 87504

COG Operating LLC is applying (see attached application) to drill a salt water disposal well as described below. As required by New Mexico Oil Conservation Division Rules, I am notifying you of the following proposed water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

<u>Well</u>: Maljamar SWD 30 #2 <u>Proposed Disposal Zone</u>: Wolfcamp Reef (from 9,500' to 9,700') <u>Location</u>: 1350' FNL & 770' FEL Sec 34, T17S, R30E Eddy County, NM <u>Approximate Location</u>: 9-10 miles East of Loco Hills, NM <u>Applicant Name</u>: COG Operating LLC (432) 685-4340 <u>Applicant's Address</u>: 550 West Texas, Suite 1300, Midland, TX 79701

Submittal Information: Application for a water disposal well will be filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr., Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Tye Orr Consulting Landman (432) 349-4729

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April 3, 2011

ConocoPhillips Company Patsy L. Clugston 3401 E. 30th Street Farmington, NM 87402

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April 3, 2011

Conoco Inc. P.O. Box 2197 Houston, TX 77252

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Please call me if you have any questions.

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Sincerely,

CERTIFIED MAIL RECEIPT (Domostie Mell Only; No Insurance Coverege Provided) For delivery information visit our website at www.usps.com. 0704

Tye Orr **Consulting Landman** (432) 349-4729

### Jones, William V., EMNRD

From: Sent: To: Cc: Subject: Jones, William V., EMNRD Monday, April 18, 2011 11:23 AM 'Mark Fairchild'; 'Tye Orr' Brooks, David K., EMNRD; Ezeanyim, Richard, EMNRD SWD applications

### Hello Mark and Tye:

I have received your hardcopies in the mail of 6 SWD applications. These were logged in and assigned to me to review. I glanced through them and see a couple things that you are probably aware of.

a. It seems that the State of New Mexico owns the surface of all but one of these – that one is a federal surface. Since State leases should be faster than Federal leases to generate approved APD's, please let me know when the API numbers will be coming for these? Which ones will come first? The SWD permits are site specific as are API numbers – we like to have API numbers before releasing SWD permits. If the proposed well moves location after we issue an SWD, the disposal permit is no longer valid.

b. The Maljamar SWD 30 #2 application has a blurry newspaper notice – please mail another copy.

- c. The cement top data for surrounding wells (active of P&Aed is not there.
- d. The wellbore diagrams of P&Aed wells within the ½ mile AOR not there. You could also send diagrams of the non-plugged wells to show cement coverage your option.

e. It appears that owners were researched and notice was provided. We ask all applicants for SWD to tell us exactly which tracts of lands are owned by the parties that were noticed. One way to show that to us is to send a SecTspRge map with the ½ mile circle drawn around the proposed SWD site. On that map, outline all the tracts of common ownership. Reference these tracts in a separate page listing the owner or owners of each specific tract. Since the work has already been done to determine whom to notice, you should have this information.

Thank You,

William V Jones, P.E. Engineering, Oil Conservation Division 1220 South St. Francis Drive, Santa Fe, NM 87505 Tel 505.476.3448 ~ Fax 505.476.3462



### Jones, William V., EMNRD

From:	Mark Fairchild [MFairchild@conchoresources.com]
Sent:	Thursday, April 21, 2011 9:13 AM
То:	Jones, William V., EMNRD
Cc:	Noel Olivas; Robyn Odom; Kelly Holly; Sammie Hodges; Tye Orr
Subject:	COG SENM SWD Drilling Applications, Additional Data
Attachments:	Maljamar SWD 30 #2.xls; Arnold Federal Com #1.xls; Big Tank 33 Fed Com #1.xls; COG
	SENM SWD Drilling NMOCD Additional Well Data.docx; Conoco 8 State Com #1.xls; Full
	Tank 33 Fed Com #1.xls

### Will, attached please find:

- 1. A document with all of our proposed new drills by name with the well data for any well within  $\frac{1}{2}$  mile that penetrates the zones applied for disposal.
- 2. A complete wellbore diagram of with cement tops of the wells from one above that penetrate the applied for disposal horizon.
- 3. Please let me know if this completes our SWD Drilling Application requirements.

Thanks

M.A. Fairchild COG OPERATING LLC Office: 432-686-3021 Cell: 432-230-7170



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### Inactive Well List

### Total Well Count: 2870 Inactive Well Count: 6 Printed On: Sunday, May 29 2011

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes Status	TA Exp Date
2	30-015-02692	E HI LONESOME FEDERAL #006	D-13-16S-29E	D	229137	COG OPERATING	F	0	02/2010		
2	30-015-34278	FPR STATE #001 #001	P-36-19S-29E	P	229137	COG OPERATING LLC	S	0	11/2009	MORROW	
2	30-015-10334	SINCLAIR PARKE #001	F-22-17S-30E	F	229137	COG OPERATING LLC	F	0	02/2010		
2	30-015-23938	SOUTH SHUGART DEEP #001	3-4 -195-31E	с	229137	COG OPERATING	F	G	03/2009		
2	30-015-03789	TYLER FEDERAL #002	0-35-17S-29E	0	229137	COG OPERATING LLC	F	0	09/2009		
1	30-025-38079	WEST PEARL 36 STATE #001	F-36-19S-34E	F .	229137	COG OPERATING	S	G	11/2007	Morrow	

WHERE Ogrid:229137, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15, Excludes Wells Under ACOI, Excludes Wells in Approved TA Period

	5/00/11	
	Injection Permit Checklist (11/15/2010)	
	WFXPMX(SWD_1286) Permit Date 5131 SIUIC Qtr( A (M J)	
	# Wells L Well Name(s): Maljann Swo 30 AZ	
2	APT Num: 30-0 15- NA Spud Date: New/Old: N_(UIC primacy March 7, 1982) Ca	Z
0	Footages 1350 FNL 170 FEL Unit H Sec 30 TSP 175 Rge 32E County EDDE	1
	General Location:	
	Operator: COG OPERATING, LLC Contact Mark Fairable	ï
	OGRID:RULE 5.9 Compliance (Wells) 8 C(Finan Assur) 8 5.9 OK? 0 C	
	Well File Reviewed Current Status: USec PLAN	
	Planned Work to Well: DISISE	
	Diagrams: Before Conversion       After Conversion       Elogs in Imaging File:       Chill       Conversion       Determination         Sizes       Setting       Stage       Cement       Determination	
	Well Details: HolePipe Depths Tool Sx or Cf Method	
	New Existing Surface 17/2 13/15 400 - 278CF CIRC	
1 LA	New $\underline{C}$ Existing interm $(2)4 957 4000$ $(253 CF) CNC$	
	New Dexisting LongSt 8714 7 10,300 1614 CF CMC	
	New_Existing Liner       New_Existing OpenHole	
	Depths/Formations: Depths, Ft. Formation Tops?	
	Formation(s) Above	
	and the control of th	
	9,10° Injection BOTTOM: 7450 10 Tubing Size 2/2 Packer Depth	
997/	Formation(s) Below	
470	Capitan Reef?(Potash?Noticed?) [WIPP?Noticed?] Satado Top/Bot Gttt House?	
<i>(q</i> [*]	Fresh Water: Depths: None-Formation Wells? Affirmative Statement	~
	Disposal Fluid Analysis? Sources:	
	Disposal Interval: Analysis? Production Potential/Testing:	
	Notice: Newspaper Date 45 N Surface Owner SLD / Mineral Owner(s)	
	RULE 26.7(A) Affected Persons: Cono Co Pffill PS (Cono Co	
	AOR: Maps? Well List? Producing in Interval? Wellbore Diagrams?	
	Active Wells Repairs? OwhichWells?	
	P&A Wells O Repairs? Which Wells?	