DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
10-14-15		PRG	10-14-15	SWD	PMAM1528756633

ABOVE THIS LINE FOR DIVISION USE ONLY

Need BLM notice
recvd
10-14-15

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application 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]

SWD - 1595

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A] Maljamar 28 SWD #1 Pending

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

COG Operating, LLC
229137

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

Pool
SWD; WOLFCAMP
- 96135

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or 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

[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] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[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.

Kanicia Castillo		Lead Regulatory Analyst	9/29/15
Print or Type Name	Signature	Title	Date

kcastillo@concho.com
e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance __X__Disposal _____Storage
Application qualifies for administrative approval? _____Yes _____No

II. OPERATOR: COG Operating LLC

ADDRESS: One Concho Center, 600 W. Illinois Ave, Midland, TX 79701

CONTACT PARTY: Kanicia Castillo PHONE: 432-685-4332

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes __X__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.

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.

VII. 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.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

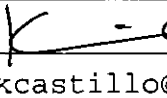
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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 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.

NAME: Kanicia Castillo TITLE: Lead Regulatory Analyst

SIGNATURE:  DATE: 09/29/15

E-MAIL ADDRESS: kcastillo@concho.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.

Side I

INJECTION WELL DATA SHEET

OPERATOR: COG Operating LLC

WELL NAME & NUMBER: Maljamar 28 SWD #1

WELL LOCATION:	1600' FSL & 505' FEL	I	28	17S	32E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

See Attachment

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 675 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"

Cemented with: 575 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ

Production Casing

Hole Size: 8-3/4" Casing Size: 7

Cemented with: 1250 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circ

Total Depth: 9,600'

Injection Interval

Open Hole 9,600' feet to 10,250'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" Lining Material: Poly Lined

Type of Packer: AS-1X Compression Set; Double Grip

Packer Setting Depth: 9,550'

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

Additional Data

1. Is this a new well drilled for injection? X Yes _____ No

   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): Wolfcamp; SWD

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. N/A

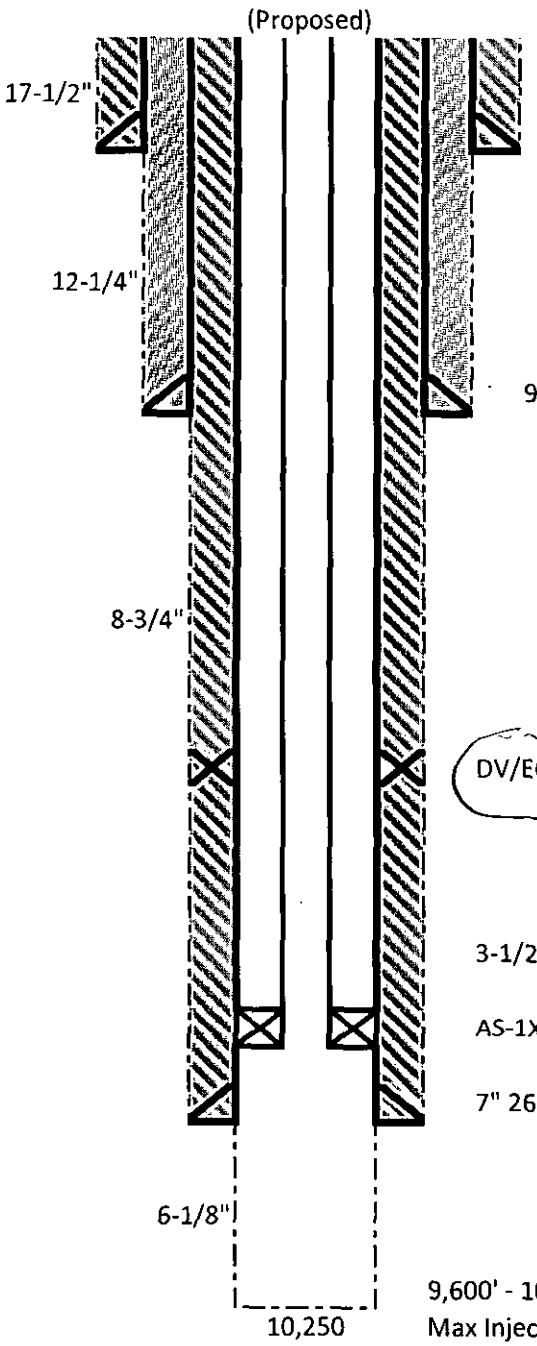
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   San Andres - 3,930'

   Yeso - 5,750'

   Wolfcamp - 9,300'

Maljamar 28 SWD #1
1,600' FSL; 505' FEL
I, 28, T17S, R32E, Lea Co., NM
API#
SWD Permit #



13-3/8" 48# H-40 ST&C @ 915'
Lead: 325sx "C" @ 13.5 ppg, 1.75 yield
Tail: 350sx "C" @ 14.8 ppg, 1.32 yield

9-5/8" 40# J-55 LT&C @ 2,130'
Lead: 325sx 50:50:10 "C" PozGel @ 11.8 ppg, 2.45 yield
Tail: 250sx "C" @ 14.8 ppg, 1.32 yield

DV/ECP @ 7,000'

C-B-L

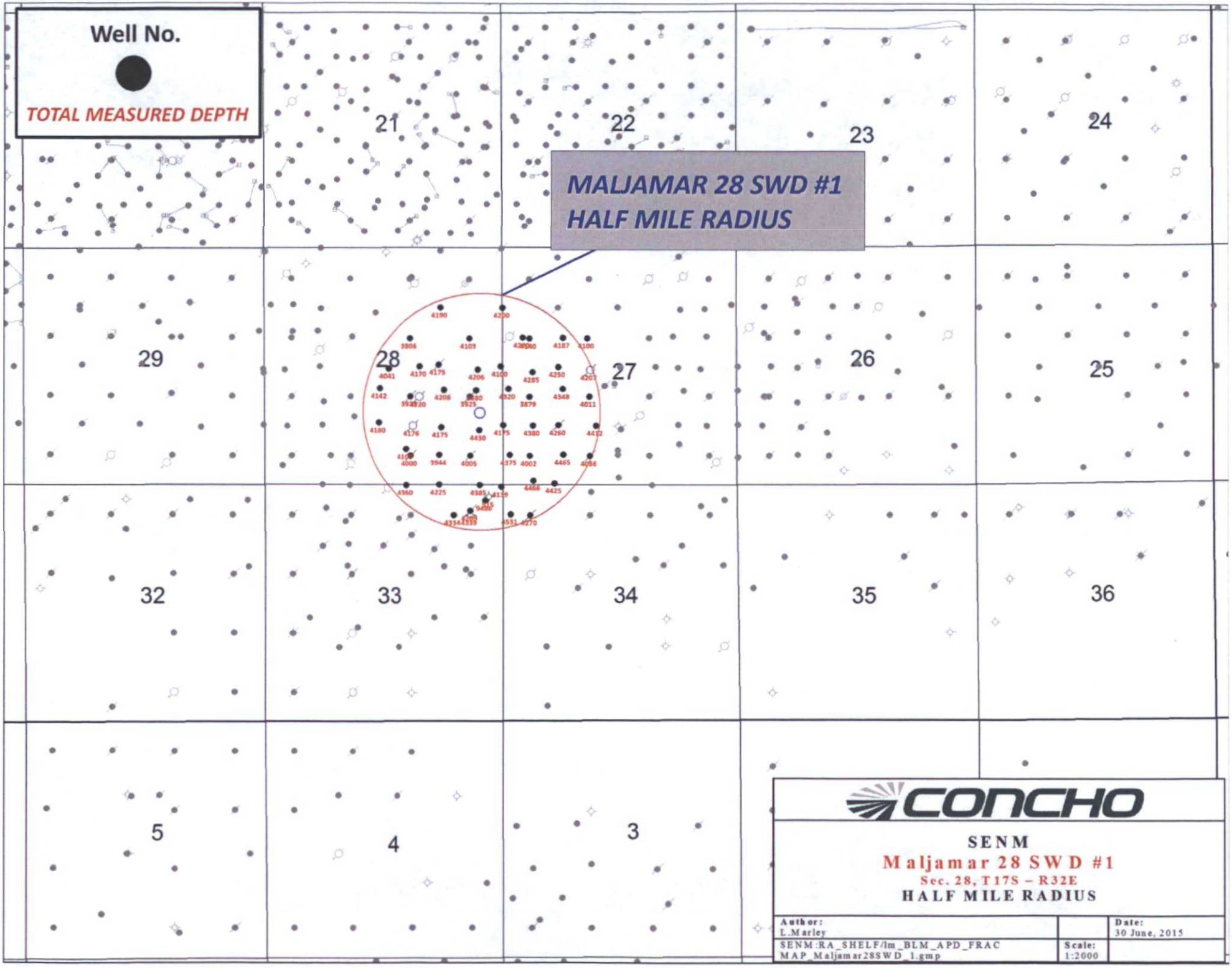
3-1/2" 9.3# L-80 GlassBore injection tubing

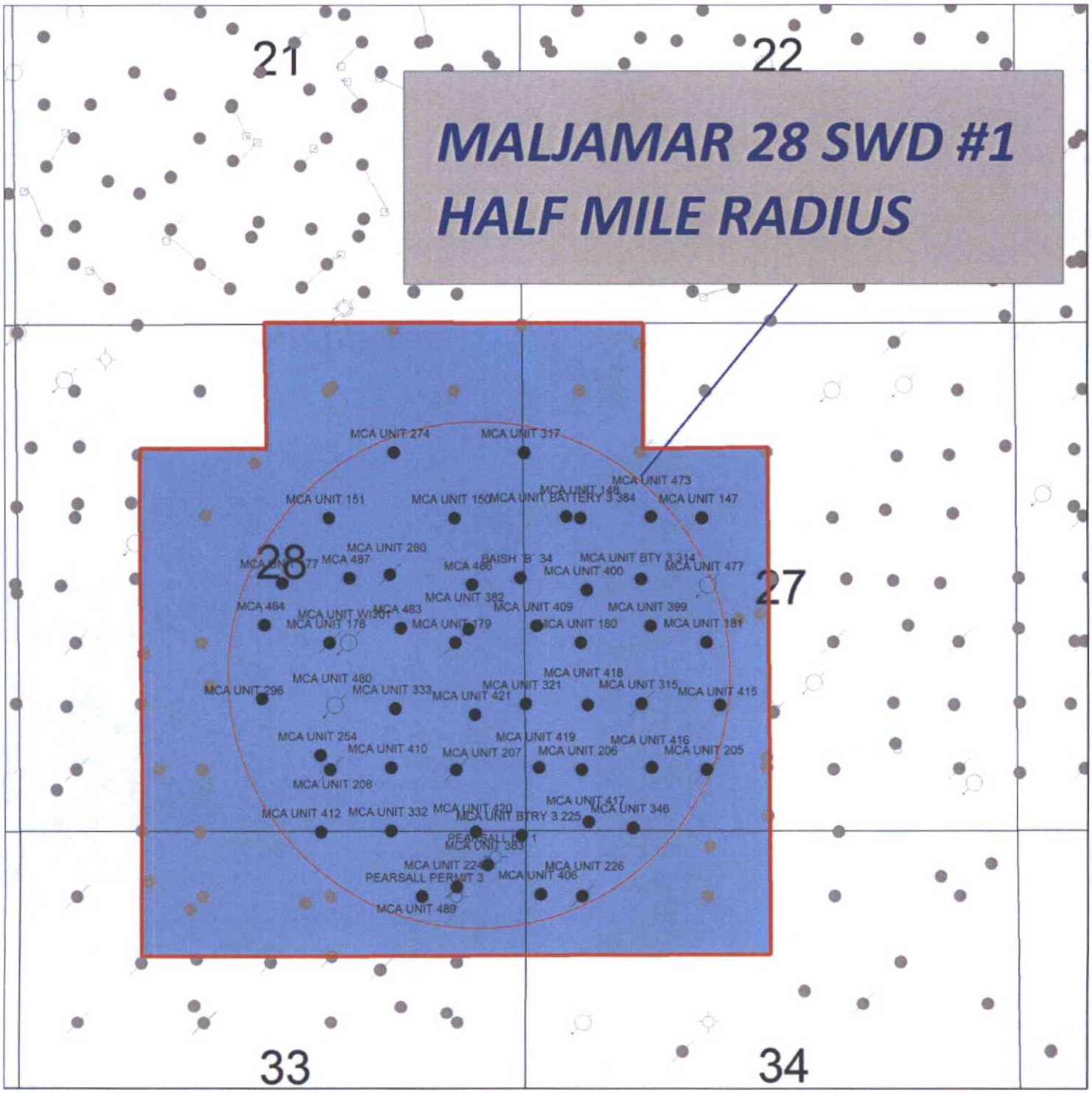
AS-1X Ni plated injection packer set at 9,550'

7" 26# L-80 LT&C @ 9,600'
1st: 300sx 50:50:2 "H" PozGel @ 14.0 ppg, 1.37 yield
2nd: 600sx 35:65:6 "C" PozGel @ 12.5 ppg, 2.01 yield +
350sx "H" @ 14.2 ppg, 1.19 yield

9,600' - 10,250' (Wolfcamp Reef)
Max Injection Pressure: 1,920 psi

JH - 6/8/2015


Well No.
TOTAL MEASURED DEPTH
MALJAMAR 28 SWD #1
HALF MILE RADIUS
21
22
23
24
29
28
27
26
25
32
33
34
35
36
5
4
3
CONCHO
SENM
Maljamar 28 SWD #1
Sec. 28, T17S – R32E
HALF MILE RADIUS
Author:
L.Marley
Date:
30 June, 2015
SENM:RA_SHELF/lm_BLM_APD_FRAC
MAP_Maljamar28SWD_1.gmp
Scale:
1:2000



Legend

- Occidental Permian Lease Owner of targeted area
- ConocoPhillips Company

CONCHO

SENM

Maljamar 28 SWD #1

Sec. 28, T17S – R32E

HALF MILE RADIUS

Author: L.Marley		**Date:** 11 September, 2015
SENM: BLM APD FRAC MAPS/lm__Maljamar 28SWD_1.gmp	**Scale:**	

Maljamar 28 SWD #1

Well Name	Well Number	Well ID	Operator	Hole Direction	TD	TVD	Status	Unit	SHL/BHL Footage	SHL/BHL Location
MCA UNIT	147	300250071900	CONOCOPHILLIPS COMPANY	VER	4100		OIL	F	TWP: 17 S - Range: 32 E - Sec. 27	1980 FNL/1940 FWL
MCA UNIT	148	300250072200	PRE-ONGARD	VER	4140		OIL	E	TWP: 17 S - Range: 32 E - Sec. 27	1980 FNL/660 FWL
MCA UNIT	181	300250072400	CONOCOPHILLIPS COMPANY	VER	4011		OIL	K	TWP: 17 S - Range: 32 E - Sec. 27	1980 FSL/1980 FWL
MCA UNIT	205	300250072700	CONOCO INCORPORATED	VER	4086		ABD-OW	N	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL/1980 FWL
MCA UNIT	180	300250072800	CONOCOPHILLIPS COMPANY	VER	3879		OIL	L	TWP: 17 S - Range: 32 E - Sec. 27	1980 FSL/660 FWL
MCA UNIT	206	300250072900	CONOCOPHILLIPS COMPANY	VER	4002		OIL	M	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL/660 FWL
MCA UNIT	151	300250073900	CONOCOPHILLIPS COMPANY	VER	3806		OIL	G	TWP: 17 S - Range: 32 E - Sec. 28	1980 FNL/1980 FEL
MCA UNIT	150	300250074000	CONOCOPHILLIPS COMPANY	VER	4103		OIL	H	TWP: 17 S - Range: 32 E - Sec. 28	1980 FNL/660 FEL
MCA UNIT	178	300250074300	CONOCO INCORPORATED	VER	3925		ABD-OW	J	TWP: 17 S - Range: 32 E - Sec. 28	1980 FSL/1980 FEL
MCA UNIT	179	300250074400	CONOCO INCORPORATED	VER	3925		ABD-OW	I	TWP: 17 S - Range: 32 E - Sec. 28	1980 FSL/660 FEL
MCA UNIT	382	300250074500	CONOCOPHILLIPS COMPANY	VER	9680		OIL	I	TWP: 17 S - Range: 32 E - Sec. 28	2120 FSL 519 FEL
MCA UNIT	207	300250074600	CONOCOPHILLIPS COMPANY	VER	4005		ABD-OW	P	TWP: 17 S - Range: 32 E - Sec. 28	660 FSL/660 FEL
MCA UNIT	208	300250074700	PRE-ONGARD	VER	4000		ABD-OW	O	TWP: 17 S - Range: 32 E - Sec. 28	660 FSL/1980 FEL
PEARSALL PERMIT	3	300250079700	PRE-ONGARD	VER	4339		D&A	A	TWP: 17 S - Range: 32 E - Sec. 33	660 FNL/660 FEL
MCA UNIT	224	300250080100	CONOCO INCORPORATED	VER	4209		ABD-OW	A	TWP: 17 S - Range: 32 E - Sec. 33	560 FNL/660 FEL
MCA UNIT	383	300250081500	CONOCO INCORPORATED	VER	9486		OIL	A	TWP: 17 S - Range: 32 E - Sec. 33	330 FNL 330 FEL
MCA UNIT	226	300250081700	CONOCOPHILLIPS COMPANY	VER	4270		ABD-OW	D	TWP: 17 S - Range: 32 E - Sec. 34	660 FNL/660 FWL
PEARSALL LM	1	300251274900	PRE-ONGARD	VER	515		D&A	A	TWP: 17 S - Range: 32 E - Sec. 33	250 FNL/250 FEL
MCA UNIT BTRY 3	225	300251278200	CONOCOPHILLIPS COMPANY	VER	4139		OIL	D	TWP: 17 S - Range: 32 E - Sec. 34	25 FNL 25 FWL
BAISH `B`	34	300251279200	CONOCOPHILLIPS COMPANY	VER	4100		OIL	E	TWP: 17 S - Range: 32 E - Sec. 27	2600 FNL 25 FWL
MCA UNIT	177	300252148900	CONOCOPHILLIPS COMPANY	VER	4041		OIL	J	TWP: 17 S - Range: 32 E - Sec. 28	2600 FSL/2470 FEL
MCA UNIT	254	300252348700	CONOCOPHILLIPS COMPANY	VER	4100		OIL	O	TWP: 17 S - Range: 32 E - Sec. 28	810 FSL/2080 FEL
MCA UNIT	274	300252373100	CONOCOPHILLIPS COMPANY	VER	4190		OIL	A	TWP: 17 S - Range: 32 E - Sec. 28	1295 FNL/1295 FEL
MCA UNIT	280	300252374000	CONOCO INCORPORATED	VER	4175		ABD-OW	G	TWP: 17 S - Range: 32 E - Sec. 28	2565 FNL/1345 FEL
MCA UNIT	296	300252379000	CONOCOPHILLIPS COMPANY	VER	4180		OIL	K	TWP: 17 S - Range: 32 E - Sec. 28	1400 FSL/2615 FWL
MCA UNIT BTY 3	314	300252412700	CONOCOPHILLIPS COMPANY	VER	4250		OIL	E	TWP: 17 S - Range: 32 E - Sec. 27	2615 FNL/1295 FWL
MCA UNIT	315	300252412800	CONOCO INCORPORATED	VER	4260		ABD-OW	L	TWP: 17 S - Range: 32 E - Sec. 27	1345 FSL/1295 FWL
MCA UNIT	317	300252418600	CONOCOPHILLIPS COMPANY	VER	4200		OIL	D	TWP: 17 S - Range: 32 E - Sec. 27	1295 FNL/75 FWL
MCA UNIT	WI301	300252422600	CONOCOPHILLIPS COMPANY	VER	4220		INJ	J	TWP: 17 S - Range: 32 E - Sec. 28	1980 FSL/1780 FEL
MCA UNIT	321	300252423300	CONOCOPHILLIPS COMPANY	VER	4175		OIL	L	TWP: 17 S - Range: 32 E - Sec. 27	1345 FSL/75 FWL
MCA UNIT	332	300252434900	CONOCOPHILLIPS COMPANY	VER	4225		OIL	O	TWP: 17 S - Range: 32 E - Sec. 28	25 FSL/1345 FEL
MCA UNIT	333	300252435200	CONOCOPHILLIPS COMPANY	VER	4175		OIL	P	TWP: 17 S - Range: 32 E - Sec. 28	1295 FSL/1295 FEL
MCA UNIT	346	300252451300	CONOCOPHILLIPS COMPANY	VER	4425		OIL	M	TWP: 17 S - Range: 32 E - Sec. 27	55 FSL/1200 FWL
MCA UNIT BATTERY 3	384	300253049100	CONOCOPHILLIPS COMPANY	VER	4200		OIL	E	TWP: 17 S - Range: 32 E - Sec. 27	1963 FNL 511 FWL
MCA UNIT	406	300253886000	CONOCOPHILLIPS COMPANY	VER	4531		OIL	D	TWP: 17 S - Range: 32 E - Sec. 34	659 FNL 160 FWL
MCA UNIT	399	300253897200	CONOCOPHILLIPS COMPANY	VER	4348		OIL	K	TWP: 17 S - Range: 32 E - Sec. 27	2130 FSL 1330 FWL
MCA UNIT	400	300253897300	CONOCOPHILLIPS COMPANY	VER	4285		OIL	L	TWP: 17 S - Range: 32 E - Sec. 27	2505 FSL 660 FWL
MCA UNIT	409	300253897800	CONOCOPHILLIPS COMPANY	VER	4320		OIL	L	TWP: 17 S - Range: 32 E - Sec. 27	2130 FSL 130 FWL
MCA UNIT	410	300253897900	CONOCOPHILLIPS COMPANY	VER	3944		OIL	O	TWP: 17 S - Range: 32 E - Sec. 28	660 FSL 1410 FEL
MCA UNIT	412	300253898000	CONOCOPHILLIPS COMPANY	VER	4360		OIL	B	TWP: 17 S - Range: 32 E - Sec. 33	10 FNL 2150 FEL
MCA UNIT	415	300253898300	CONOCOPHILLIPS COMPANY	VER	4412		OIL	N	TWP: 17 S - Range: 32 E - Sec. 27	1310 FSL 2055 FWL
MCA UNIT	416	300253898400	CONOCOPHILLIPS COMPANY	VER	4465		OIL	N	TWP: 18 S - Range: 16 E - Sec. 10	660 FSL 1330 FWL
MCA UNIT	417	300253898500	CONOCOPHILLIPS COMPANY	VER	4466		OIL	M	TWP: 17 S - Range: 32 E - Sec. 27	90 FSL 660 FWL
MCA UNIT	418	300253898600	CONOCOPHILLIPS COMPANY	VER	4380		OIL	M	TWP: 17 S - Range: 32 E - Sec. 27	1310 FSL 660 FWL
MCA UNIT	419	300253898700	CONOCOPHILLIPS COMPANY	VER	4375		OIL	M	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL 145 FWL

Maljamar 28 SWD #1

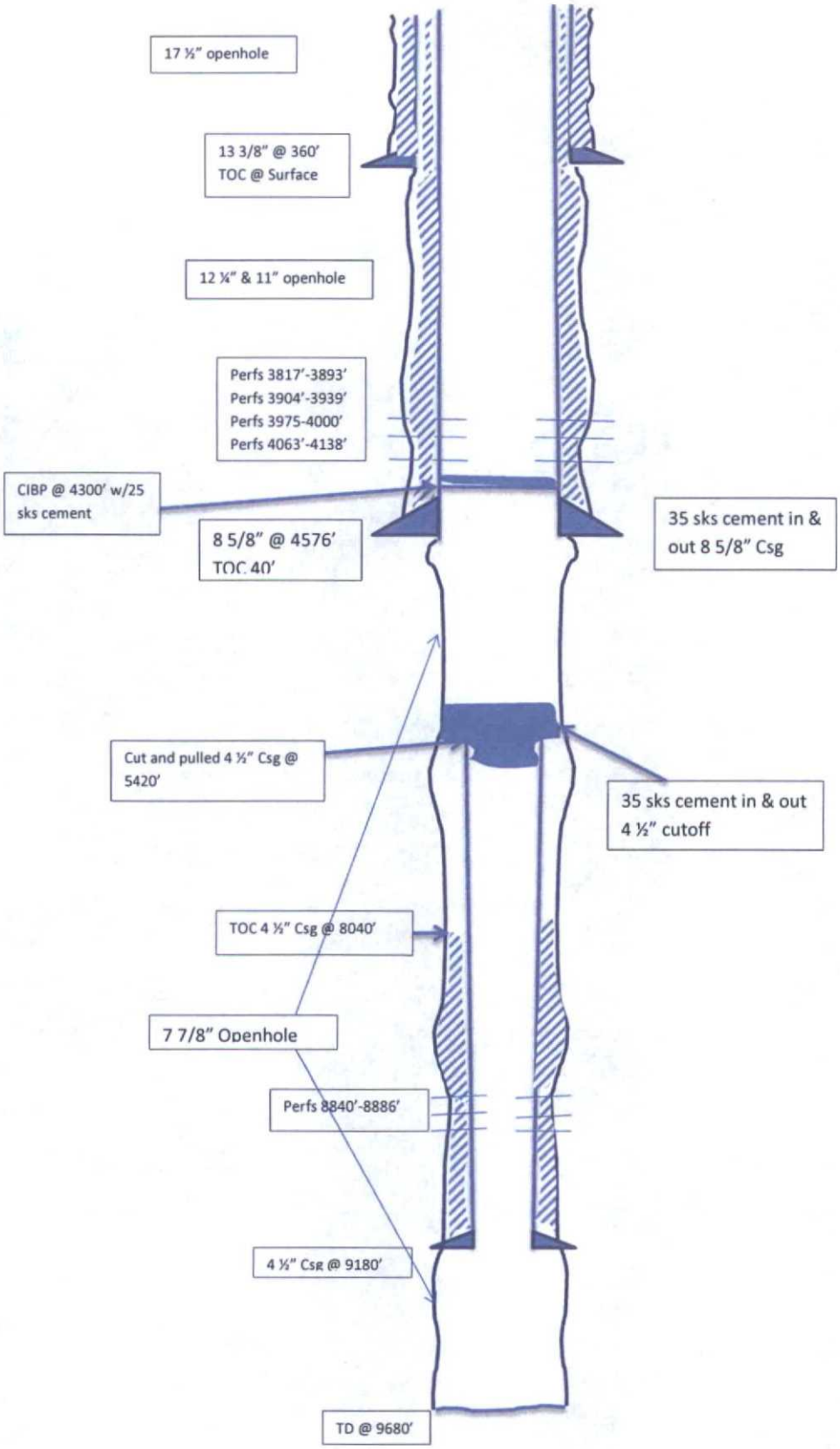
MCA UNIT	421	300253898800	CONOCOPHILLIPS COMPANY	VER	4430		OIL	P	TWP: 17 S - Range: 32 E - Sec. 28	1210 FSL 525 FEL
MCA UNIT	420	300253898900	CONOCOPHILLIPS COMPANY	VER	4385		OIL	A	TWP: 18 S - Range: 16 E - Sec. 10	10 FNL 525 FEL
MCA	483	300253935300	CONOCOPHILLIPS COMPANY	VER	4208		OIL	I	TWP: 17 S - Range: 32 E - Sec. 28	2130 FSL 1310 FEL
MCA	484	300253935400	CONOCOPHILLIPS COMPANY	VER	4142		OIL	K	TWP: 17 S - Range: 32 E - Sec. 28	2160 FSL 2603 FWL
MCA	486	300253935500	CONOCOPHILLIPS COMPANY	VER	4206		OIL	I	TWP: 17 S - Range: 32 E - Sec. 28	2580 FSL 560 FEL
MCA	487	300253935600	CONOCOPHILLIPS COMPANY	VER	4170		OIL	J	TWP: 18 S - Range: 16 E - Sec. 10	2630 FSL 1830 FEL
MCA UNIT	473	300253941000	CONOCOPHILLIPS COMPANY	VER	4187		OIL	F	TWP: 17 S - Range: 32 E - Sec. 27	2000 FNL 1330 FWL
MCA UNIT	477	300253943100	CONOCOPHILLIPS COMPANY	VER	4207		INJ	K	TWP: 17 S - Range: 32 E - Sec. 27	2570 FSL 1920 FWL
MCA UNIT	489	300253943200	CONOCOPHILLIPS COMPANY	VER	4334		OIL	A	TWP: 17 S - Range: 32 E - Sec. 33	660 FNL 1110 FEL
MCA UNIT	480	300253976600	CONOCOPHILLIPS COMPANY	VER	4176		INJ	O	TWP: 17 S - Range: 32 E - Sec. 28	1310 FSL/1995 FEL

Area of Review **Maljamar 28 SWD #1**

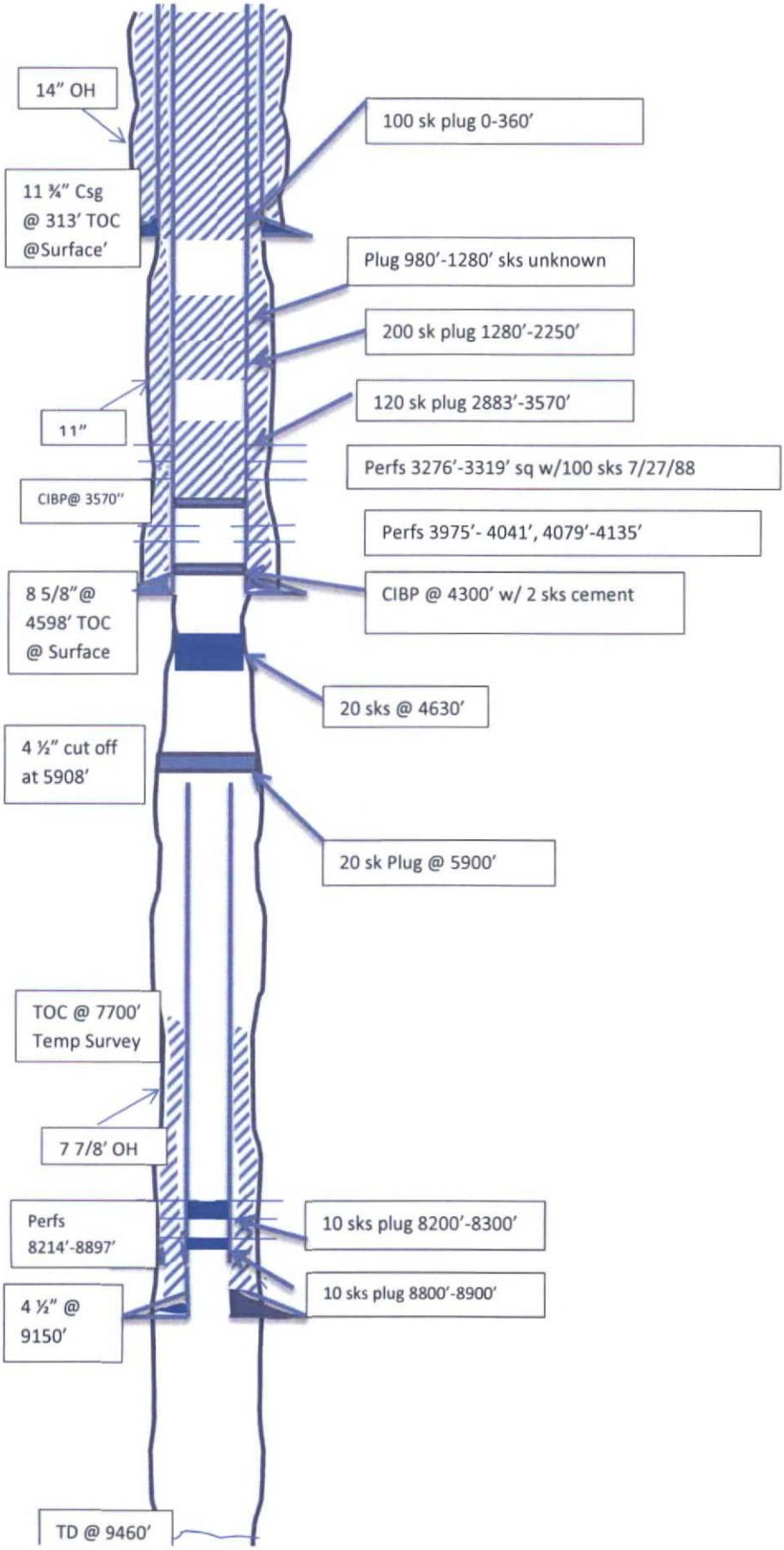
Tabulation of all wells which Penetrate or TD close to Proposed Injection Interval

Well Name	API Number	Operator	Location	Spud Date	Completion Date	Type	Total Depth	Completion Interval	P & A Date	Surface Csg Size	Surface Csg Depth	Surface Csg TOC	Intermediate Size	Intermediate Depth	Intermediate TOC	Production Csg Size	Production Csg Depth	Production Csg TOC	Schematic attached
MCA Unit #382	3002500745	ConocoPhillips Co	2120' FSL & 519' FEL Sec 28 T17S R32E	8/8/1961	11/19/1961	oil	9680'	8840'-8886'	8/10/1973	13 3/8"	360'	Surface	8 5/8"	4576'	40'	4 1/2"	9180'	8040'	yes
					8/4/1988	oil	4300'	3817'-4138'	Producing	13 3/8"	360'	Surface	8 5/8"	4576'	40'	4 1/2"	9180'	8040'	
MCA Unit #383	3002500815 00	Conoco Incorporated	330' FNL & 330' FEL Sec 33 T17S R32E	12/7/1961	2/27/1962	oil	9406'	8214'-8288'	8/8/1963	13 3/8"	360'	surface	8 5/8"	4576'	surface	4 1/2"	9180'	7700'	yes
1st Re-Completion					2/7/1965	oil	3405'	3276'-3319'	2/18/1968	13 3/8"	360'	surface	8 5/8"	4576'	surface	4 1/2"	9180'	7700'	
2nd Re-Completion					7/27/1988	oil	4300'	3975'-4135'	11/9/1993	13 3/8"	360'	surface	8 5/8"	4576'	surface	4 1/2"	9180'	7700'	

MCA Unit #382
ConocoPhillips Co
2120' FSL & 519' FEL
Sec 28 T17S R32E
Lea County, New Mexico
API # 3002500745



MCA # 383
Conoco Incorporated
330' FNL & 330' FEL
Sec 33 T17S R32E
Lea County, New Mexico
API # 30-025-00815



VII.

COG Operating, LLC
Maljamar 28 SWD #1
Lease # Pending
API# Pending
Sec 28, T17S, R32E, Unit I
1600' FSL & 505' FEL
Lea County, NM

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
   - **Average daily rate/volume 10,000 to 15,000 BWPD, Maximum daily rate/volume 20,000 BWPD**
2. Whether the system is open or closed;
   - **Closed System**
3. Proposed average and maximum injection pressure;
   - **Average injection pressure - Vacuum, Maximum injection pressure 1920 psig**
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re-injected produced water; and,
   - **Produced water from the Yeso formation.**
   - **We do not anticipate incompatibility issues because we currently have similar SWD wells in the area that dispose of Yeso produced water in the Wolfcamp.**
   - **Existing Wolfcamp SWD wells: Maljamar SWD 29 #1 30-025-39519, Federal BI SWD #1 30-025-27068**
   - **Please see attached Yeso produced water analysis. (GC Fed 42)**
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.).
   - **Chemical Analysis for the disposal zone formation water is attached**

CATALYST
Oilfield Services

Catalyst Oilfield Services
11999 E Hwy 158
Gardendale, TX 79758
(432) 563-0727
Fax: (432) 224-1038

Water Analysis Report

Customer:	COG Operating LLC - NM	Sample #:	19044
Area:	Artesia	Analysis ID #:	19266
Lease:	GC Federal	BOPD:	44
Location:	42	BWPD:	452
Sample Point:	Wellhead		

		Anions	mg/l	meq/l	Cations	mg/l	meq/l
Sampling date:	5/8/2014	Chloride:	119690.6	3375.27	Sodium:	69550.0	1961.31
Analysis date:	5/13/2014	Bicarbonate:	341.6	5.60	Magnesium:	978.9	16.05
Analysis:	Catalyst	Carbonate:		0.00	Calcium:	5753.0	191.57
TDS (mg/l or g/m3):	198754	Sulfate:	1500.0	31.20	Potassium:	667.5	13.88
Density (g/cm3):	1.135				Strontium:	141.1	3.22
Hydrogen Sulfide:	153				Barium:	0.0	0.00
Carbon Dioxide:	260				Iron:	0.0	0.00
Comments:		pH at time of sampling:		6.45	Manganese:	0.0	0.00
		pH at time of analysis:					
		pH used in Calculation:		6.45	Conductivity (micro-ohms/cm):		189200
		Tempeture @ lab conditions (F):		75	Resistivity (ohm meter):		0.0529

	Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Calcite CaCO3		Gypsum CaSo4*2H2O		Anhydrite CaSO4		Celestite SrSO4		Barite BaSO4		
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
120	0.67	31.23	-0.27	0.00	-0.10	0.00	-0.13	0.00	0.00	0.00	

Exhibit VIII

Geological Review
Ground Water Sources
Maljamar Area
Lea County, New Mexico

The interval under consideration for disposal operations includes the Wolfcamp, part of the Wolfcamp Group. The interval is part of the Wolfcamp Series of the Lower Permian Age, located on the Northwest Shelf of the Delaware Basin in the western part of the Permian Basin.

The injection interval is the following:

Maljamar SWD 28 #1 (SWD; Wolfcamp)

- Wolfcamp:
    - 9,600.0'-10250.0' TVD

The Maljamar SWD 30 #2 is a vertical well that will be drilled to a true vertical depth (TVD) of 10,250.0'.

Produced water from Lower Permian Age rocks is too mineralized to be potable or useable for live stock.

Ground water in Eddy County is obtained from porous and permeable aquifers in consolidated rocks of the Upper Permian and Triassic age and in relatively unconsolidated sediments of Tertiary and Quaternary age.

The area east of the Pecos River is a large area and includes half of Eddy County, generally from T 16 S R 27 E to T 26S R 31E, extending from the Chaves County line south to the Texas State line and east to the Lea County line.

The Triassic System overlies the Rustler formation in Eddy County and is composed of red beds and sandstones of the Dockum group. The lower part of these beds is considered Permian and correlated with Dewey Lake red beds by some geologists. The total thickness of the Dockum group east of Artesia is about 1,000'. Formations of the Dockum group exposed in Eddy County are the Pierce Canyon red beds, the Santa Rosa sandstone and red beds possibly from the Chinle formation.

In the Empire, Empire East, Loco Hills, and Fren Fields, the sandstone beds in the Triassic Dockum group and possibly in the Dewey Lake red beds are the chief sources of ground water. The depth to water in this area is generally less than 300'. Most of the wells in the outcrop area of the Dockum group yield water of better quality than the wells to the west that produce from the Rustler formation. Analyses were made of 21 samples of water from wells probably taking all or part of their water from the Triassic red beds. The hardness of calcium carbonate in the 21 samples ranged from 201 to 3,590 ppm and was more than 1,000 ppm in 14 of the 21 samples. The chloride content ranged from 17 to 785 ppm and was more than 200 ppm in 10 of the samples. Approximately half of the wells in the Triassic red beds produce water that is considered usable for domestic purposes. None of the wells in the Triassic red beds produce water too highly mineralized for stock.

A review of all geologic map data and well as visual searches by field personnel did not indicate the presence of any windmills in the areas of review for the proposed conversions.

In summary, ground water in the Empire, Empire East, Loco Hills, and Fren areas for stock and domestic use can be obtained from wells in the Triassic red beds at depths up to 300'. Water is generally of fair quality but locally impotable. The injection intervals for the proposed conversions are in the Wolfcamp group in the lower Permian age rocks at about 9,600' TVD to 10,250' TVD. No contamination of the known shallow potable ground waters is expected from the proposed deeper secondary operations due to over 9,300' of vertical separation between them. There was no indication of any use of ground water aquifers in the areas of reviews for the proposed conversions.

From Geology and Ground-Water Resources of Eddy County, New Mexico by G. E. Hendrickson and R. S. Jones. Ground-Water Report 3, New Mexico Bureau of Mines and Mineral Resources, 1952

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires: October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other SWD

8. Well Name and No.
Maljamar 28 SWD #1

2. Name of Operator
COG Operating LLC

9. API Well No.

3a. Address
One Concho Center, 600 W. Illinois AVe
Midland, TX 79701

3b. Phone No. *(include area code)*
432-683-7443

10. Field and Pool or Exploratory Area
SWD;Wolfcamp 96135

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
1600' FSL & 505' FEL
Sec 28, T17S, R32E, Unit I

11. County or Parish, State
Lea County, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other SWD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests to complete this SWD as follows:

Please see attachment.

A copy of the C-108 and attachments have also been included for your review.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Title Lead Regulatory Analyst

Signature

Date 09/15/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Maljamar 28 SWD #1 – SWD Completion Procedure (AFE#007465)
1,600' FSL & 505' FEL
I, Sec 28, T17S, R32E
Lea Co, NM
API#
SWD –

Objective
Complete the Maljamar 28 SWD #1 in the Wolfcamp Reef formation as detailed in the paragraphs below. The completion will be in 6-1/8" diameter open hole with 650' gross interval acidized according to the schedule below.

Well Data
Injection Formation: Wolfcamp Reef
Injection Interval: 9,600' – 10,250'
Completion Type: Open Hole w/ acid stimulation
MD/PBTD: 10,250'
BHT: 120 degF (estimated)
Current Status: Permitting

Pipe Data
7" 26# L80 LTC
Nom ID=6.276"; Drift ID=6.151"; Capacity=0.0382 BPF
Burst=7,240 psi (5,792 psi @ 80%); Collapse=5,410 psi (4,328 psi @ 80%)
3-1/2" 9.3# L80 EUE GlassBore (10 ppf actual)
Liner ID=2.75"; Flange ID=2.69"; Drift ID=2.44"; Capacity=0.00735 BPF
Burst=10,160 psi (8,128 psi @ 80%); Collapse=10,540 psi (8,432 psi @ 80%); Tensile=207,200 psi
Annular Capacity 7" x 3-1/2" =0.0264 BPF
2-7/8" 6.5# L-80 (workstring)
Nom ID=2.441"; Drift ID=2.347"; Capacity=0.00579 BPF
Burst=10,570 psi (8,456 psi @ 80%); Collapse=11,170 psi (8,936 psi @ 80%); Tensile=145,000 psi
Annular Capacity 7" x 2-7/8" =0.0302 BPF

Cement Data
13-3/8" 48# H40 STC @ 915'
1st: Lead 325sx "C" @ 13.5 ppg, 1.75 yield; Tail 350sx "C" @ 14.8 ppg, 1.32 yield
9-5/8" 40# J55 LTC @ 2,285'
1st: Lead 325sx 50:50:10 "C" PozGel @ 11.8 ppg, 2.45 yield; Tail 250sx "C" @ 14.8 ppg, 1.32 yield
7" 26# L80 LTC @ 9,650' - (DV/ECP @ 7,000')
1st: 300sx 50:50:2 "H" PozGel @ 14.0 ppg, 1.37 yield
2nd: 600sx 35:65:6 "C" PozGel @ 12.5 ppg, 2.01 yield + 350sx "H" @ 14.2 ppg, 1.19 yield

Contacts
BLM:
NMOCD:
Injection Tubing:
Injection Packer Equipment:
Acid Stimulation:
Packer Fluid:
Wellhead:

Procedure

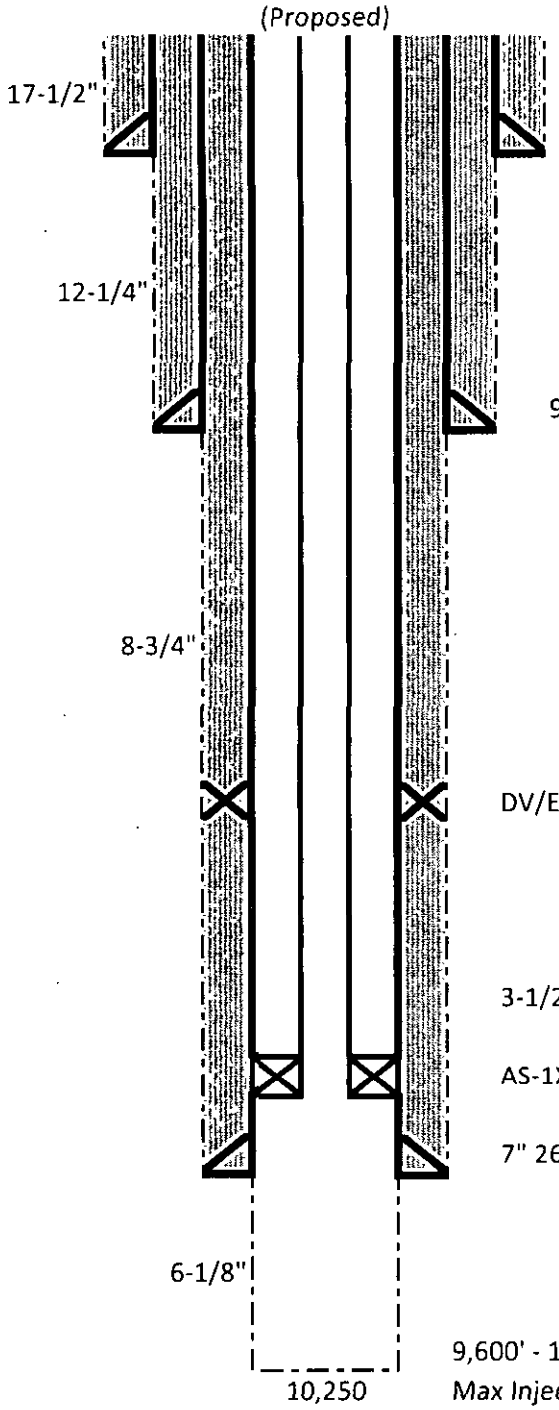
- Notify BLM & OCD of intent to start work 24 hours prior to rig up.
- Set anchors, set frac tanks, set two lined acid frac tanks, MIRU WSU and reverse unit.
- NU 7-1/16" hydraulic BOP with 2-7/8" pipe rams for work string and blind rams. Close blind rams and test casing to 1,000 psi.
- Order 2-7/8" 6.5# L-80 workstring. PU 6-1/8" bit and scraper tool; TIH to clean up casing ID near DV Tool (7,000'). RIH and tag CIBP set near end of 7" casing string. TOH and laydown scraper.
- RIH with 6-1/8" bit, (6) 4-1/8" drill collars, and tubing float valve and tag CIBP. RU power swivel and drill out CIBP circulating 10 ppg brine and push remnants of plug to TD (10,250'). Keep pipe rotating in OH section.
- SWI and record stabilized pressure to calculate kill mud weight. RU kill truck and pump mud to kill the well. TOH (standing back) with workstring and bit.
- RIH w/ 7" nickel plated AS-1X retrievable injection packer on 2-7/8" workstring to 9,550'. Try to circulate mud out prior to setting packer. Space out to put 20 points compression on packer. Set packer and test tubing x casing annulus to 1,000 psi. We may want to lubricate a packer in if we have trouble keeping the well dead.
- RU acid crew and acidize Wolfcamp Reef open hole from 9,600' to 10,250' with 40,000 gals NE Fe 15% HCl acid (double inhibited) plus graded rock salt in gelled brine at 4-5 BPM while limiting treating pressure to 6,000 psi and holding 500 psi on the annulus. Flush acid with one frac tank of fresh water to ensure the rock salt blocker is fully dissolved. Shut well in for a couple hours to let acid soak on formation.

  10,000 gal acid
  2,000 lbs graded rock salt in gelled brine
  10,000 gal acid
  2,000 lbs graded rock salt in gelled brine
  10,000 gal acid
  2,000 lbs graded rock salt in gelled brine
  10,000 gal acid

  40,000 gal acid total
  6,000 lbs graded rock salt total
- RU wireline and set a blanking plug in the profile nipple to isolate well flow. Get off on/off tool and TOH laying down workstring.
- Install 3-1/2" pipe rams in BOP and RIH with 3-1/2" 9.3# L80 EUE GlassBore internally lined tubing. Reverse circulate annulus with approximately 210 bbls fresh water packer fluid containing corrosion inhibitor/biocide/oxygen scavenger.
- Latch onto on/off tool and plumb in wellhead. Top off annulus with packer fluid if necessary. RDMO WSU.
- RU wireline and retrieve blanking plug set in profile nipple.
- Give BLM and NMOCD Artesia 24 hours notice for MIT. Test tubing x casing annulus to 500 psi for 30 minutes.
- RU pump truck to run injection test and test lines to 3,000 psi. Have one frac tank full of produced water to pump the job. Pumping company must be able to produce rate vs. time plot and data at the end of the job.
- *Pump plug off of packer assembly and run injection test as follows without exceeding 2,500 psig:*
  - 2.0 BPM for 20 minutes (40 total barrels)
  - 4.0 BPM for 20 minutes (120 total barrels)
  - 6.0 BPM for 20 minutes (240 total barrels)
  - 8.0 BPM for 20 minutes (400 total barrels)
- Collect ISIP, 5 min SIP, 10 min SIP, 15 min SIP and shut well in. RDMO and have all data sent to engineer.
- Contact SWD Operations and put well in service.

JH – 7/27/15

Maljamar 28 SWD #1
1,600' FSL; 505' FEL
I, 28, T17S, R32E, Lea Co., NM
API#
SWD Permit #



13-3/8" 48# H-40 ST&C @ 915'
Lead: 325sx "C" @ 13.5 ppg, 1.75 yield
Tail: 350sx "C" @ 14.8 ppg, 1.32 yield

9-5/8" 40# J-55 LT&C @ 2,130'
Lead: 325sx 50:50:10 "C" PozGel @ 11.8 ppg, 2.45 yield
Tail: 250sx "C" @ 14.8 ppg, 1.32 yield

DV/ECP @ 7,000'

3-1/2" 9.3# L-80 GlassBore injection tubing

AS-1X Ni plated injection packer set at 9,550'

7" 26# L-80 LT&C @ 9,600'
1st: 300sx 50:50:2 "H" PozGel @ 14.0 ppg, 1.37 yield
2nd: 600sx 35:65:6 "C" PozGel @ 12.5 ppg, 2.01 yield +
350sx "H" @ 14.2 ppg, 1.19 yield

9,600' - 10,250' (Wolfcamp Reef)
Max Injection Pressure: 1,920 psi

JH - 6/8/2015

X.

COG Operating, LLC
Maljamar 28 SWD #1
Lease # Pending
API# Pending
Sec 28, T17S, R32E, Unit I
1600' FSL & 505' FEL
Lea County, NM

Logging and test data: Well has not been yet. Will submit test data and logs when completed.

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum) (R=POD has been replaced and no longer serves this file, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance
RA 12204		MON	0	CONOCO PHILLIPS	LE	RA 12204 POD1		NON		3 1 4	28	17S	32E	615049	3630067	622
RA 12020		MON	0	PHILLIPS 66 COMPANY	LE	RA 12020 POD2				3 1 2	28	17S	32E	615046	3630960	1065
					LE	RA 12020 POD3				2 1 2	28	17S	32E	615226	3631110	1106
					LE	RA 12020 POD1			Shallow	2 2 1	28	17S	32E	614827	3630954	1202
RA 10175		SAN	3	RELIANT PROCESSING FLO CO2	LE	RA 10175			Shallow	2 1	28	17S	32E	614814	3631005*	1248
RA 12042		MON	0	DARRELL CRASS DRILLING	LE	RA 12042 POD1				2 2 1	28	17S	32E	614891	3631181	1335

Record Count: 6

UTMNAD83 Radius Search (in meters):

Easting (X): 615670.69 **Northing (Y):** 3630096.73 **Radius:** 1609.4

Sorted by: Distance

Multiple 28 Sec 4 1

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 12020 **Subbasin:** - **Subfile:** -
Primary Purpose: MON MONITORING WELL
Primary Status: PMT PERMIT
Total Acres:
Total Diversion: 0
Owner: PHILLIPS 66 COMPANY
Contact: TOM WYNN

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	534328	EXPL	2013-09-20	PMT	LOG	RA 12020	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q Q Q 64 16 4	Sec	Twsp	Rng	X	Y	Other Location Desc
RA 12020 POD1	Shallow	2 2 1	28	17S	32E	614828	3630954	MW-21
RA 12020 POD2		3 1 2	28	17S	32E	615046	3630960	
RA 12020 POD3		2 1 2	28	17S	32E	615226	3631110	

Case # AP-115

New Mexico Office of the State Engineer
Transaction Summary

EXPL Permit To Explore

Transaction Number: 534328 **Transaction Desc:** RA 12020 **File Date:** 09/19/2013

Primary Status: PMT Permit
Secondary Status: LOG Well Log Received
Person Assigned: *******
Applicant: PHILLIPS 66 COMPANY
Contact: TOM WYNN

Events

	Date	Type	Description	Comment	Processed By
get images	09/19/2013	APP	Application Received	*	*******
	09/20/2013	FTN	Finalize non-published Trans.		*******
get images	10/07/2013	LOG	Well Log Received	*RA-12020 POD1	*******
	10/29/2013	QAT	Quality Assurance Completed	DATA	*******
	12/05/2013	QAT	Quality Assurance Completed	DATA	*******
	12/30/2013	QAT	Quality Assurance Completed	IMAGE	*******
	02/05/2014	QAT	Quality Assurance Completed	IMAGE	*******

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
RA 12020	0	0		MON MONITORING WELL
**Point of Diversion				
RA 12020 POD1		614848	3631028	
RA 12020 POD2		615046	3630960	
RA 12020 POD3		615226	3631110	

Remarks

"THE WELLS ARE REQUIRED TO MONITOR GROUNDWATER IMPACTS RELATED TO A RELEASE FROM THE NORTH-ADJACENT MALJAMAR GAS PLANT (FORMERLY OPERATED BY CONOCO PHILIIPS."

THE PROJECT IS BEING REGULATED BY NMOCD (MR. GLEN VON GONTEN). LENGTH OF TIME THE WELLS WILL BE REQUIRED CAN'T BE ACCURATELY ESTIMATED AT THIS POINT, BUT AN ESTIMATE OF 10 YEARS SHOULD SUFFICE."

Conditions

1B Depth of the well shall not exceed the thickness of the Ogallala formation.

4 No water shall be appropriated and beneficially used under this permit.

Conditions

7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.

C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.

C2 No water shall be diverted from this well except for testing purposes which shall not exceed twenty (20) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.

P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between geologic zones.

Action of the State Engineer

1. All PODS shall be secured and closed properly for the public welfare and safety for open ground to prevent physical hazards.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 09/20/2013

Log Due Date: 09/30/2014

State Engineer: Scott A. Verhines, P.

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 12020 POD1	2	2	1	28	17S	32E	614828	3630954

Driller License: 1456
Driller Name: WHITE, JOHN (LD)

Drill Start Date:	09/24/2013	**Drill Finish Date:**	09/25/2013	**Plug Date:**	
Log File Date:	10/07/2013	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	2.00	**Depth Well:**	120 feet	**Depth Water:**	81 feet

Water Bearing Stratifications:	Top	Bottom	Description
	70	111	Sandstone/Gravel/Conglomerate
	111	120	Shale/Mudstone/Siltstone

Casing Perforations:	Top	Bottom
	75	110

— MONITORING WELL

New Mexico Office of the State Engineer
Point of Diversion Summary

POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	(quarters are 1=NW 2=NE 3=SW 4=SE)			(quarters are smallest to largest)			(NAD83 UTM in meters)	
RA 12020 POD2	3	1	2	28	17S	32E	615046	3630960

Driller License:

Driller Name:

Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
RA 12020 POD3	2	1	2	28	17S	32E	615226	3631110

Driller License:
Driller Name:

Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 12204 **Subbasin:** - **Subfile:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

Total Acres:

Total Diversion: 0

Owner: CONOCO PHILLIPS

Contact: IRENE WHITE

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	559063	EXPL	2014-12-09	PMT	APR	RA 12204 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 12204 POD1		3	1	4	28	17S	32E	615049	3630067	MW1

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: RA 12042 **Subbasin:** - **Subfile:** -
Primary Purpose: MON MONITORING WELL
Primary Status: PMT PERMIT
Total Acres:
Total Diversion: 0
Owner: DARRELL CRASS DRILLING
Contact: DARA CRASS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	536625	EXPL	2013-11-08	PMT	APR	RA 12042	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q Q Q 64 16 4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 12042 POD1		2 2 1	28	17S	32E	614891	3631181	CLARKS

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: RA 10175 **Subbasin:** - **Subfile:** -

Primary Purpose: SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE

Primary Status: PMT PERMIT

Total Acres:

Total Diversion: 3

Owner: RELIANT PROCESSING FLO CO2

Contact: JOSH JONES,

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
349185	COWNF	2006-01-04	CHG	PRC	RA 10175	T			3
222219	72121	2002-01-15	PMT	LOG	RA 10175	T			3

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
RA 10175	Shallow	2	1		28	17S	32E	614814	3631005*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

New Mexico Office of the State Engineer
Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 222219 **Transaction Desc:** RA 10175 **File Date:** 01/15/2002

Primary Status: PMT Permit
Secondary Status: LOG Well Log Received
Person Assigned: *******
Applicant: FLO CO2 INC.
Contact: ROBERT MILLER

Events

Date	Type	Description	Comment	Processed By
01/15/2002	APP	Application Received		*******
01/15/2002	FIN	Final Action on application		*******
01/15/2002	WAP	General Approval Letter		*******
03/06/2002	LOG	Well Log Received		*******
03/06/2002	CN5	Meter Installation Request		*******

Change To:

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
RA 10175		3		SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE
**Point of Diversion				
RA 10175		614814	3631005*	

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

Conditions

1A Depth of the well shall not exceed the thickness of the valley fill.

5B A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor on or before the 10th of Jan., April, July and Oct. of each year for the 3 preceeding calendar months.

Action of the State Engineer

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved
Action Date: 01/15/2002
Log Due Date: 01/15/2003
State Engineer: Thomas C. Turney

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

POD Number	Q64	Q16	Q4	Sec	Twp	Rng	X	Y
RA 10175		2	1	28	17S	32E	614814	3631005*

Driller License: 1044
Driller Name: EADES, ALAN

Drill Start Date: 02/04/2002 **Drill Finish Date:** 02/04/2002 **Plug Date:**
Log File Date: 03/06/2002 **PCW Rcv Date:** **Source:** Shallow
Pump Type: **Pipe Discharge Size:** **Estimated Yield:**
Casing Size: 5.75 **Depth Well:** 158 feet **Depth Water:**

Water Bearing Stratifications:	Top	Bottom	Description
	87	89	Shallow Alluvium/Basin Fill
	89	116	Shallow Alluvium/Basin Fill
	116	124	Shallow Alluvium/Basin Fill

Casing Perforations:	Top	Bottom
	118	158

Meter Number: 5380 **Meter Make:** SENSUS
Meter Serial Number: 560656282 **Meter Multiplier:** 10.0000
Number of Dials: 6 **Meter Type:** Diversion
Unit of Measure: Gallons **Return Flow Percent:**
Usage Multiplier: **Reading Frequency:** Annual

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
03/20/2002	2002	0	A	RPT		0
05/06/2002	2002	170	A	RPT		0.005
02/13/2003	2002	2410	A	PRT		0.069
02/01/2005	2004	3420	A	ch		0.031

**YTD Meter Amounts:	Year	Amount
	2002	0.074
	2004	0.031

*UTM location was derived from PLSS - see Help

Exhibit XII

Geological Statement

Concho Resources has examined available geological, seismic, and engineering data and finds no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

Harvin Broughton
Geoscience Lead
432-686-3016

Maljamar 28 SWD #1

Notices

ConocoPhillips Company 3401 E. 30th Street, Farmington, NM 87402- 91 7199 9991 7033 2258 1897
Occidental Permian LTD PO Box 4294, Houston, TX 77210 – 91 7199 9991 7033 2258 1881

Offsetting Leaseholders and Operators to Maljamar 28 SWD #1:

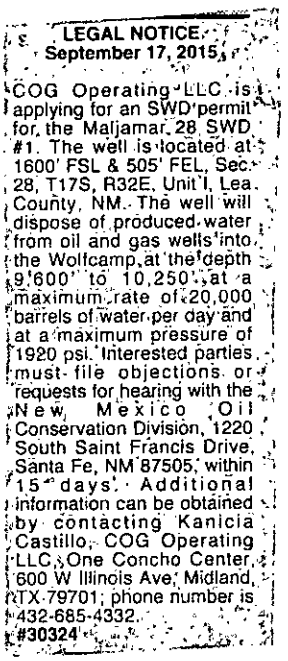
- **T17S-R32E**
  - Section 27: SW, S2NW, & NWNW
    Section 28: E2, SENW, & E2SW
    Section 33: N2NE & NENW
    Section 34: N2NW
    - Leaseholder(s):
      - **Occidental Permian Ltd**
        Attn: Permian Land Manager – New Mexico
        P.O. Box 4294
        Houston, TX 77210-4294
    - Operator(s):
      - **ConocoPhillips Company**
        600 North Dairy Ashford
        Houston, TX 77079

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
September 17, 2015
and ending with the issue dated
September 17, 2015.



LEGAL NOTICE
September 17, 2015

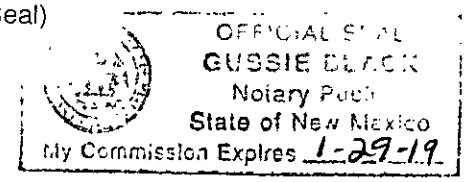
COG Operating LLC is applying for an SWD permit for the Maljamar 28 SWD #1. The well is located at 1600' FSL & 505' FEL, Sec. 28, T17S, R32E, Unit I, Lea County, NM. The well will dispose of produced water from oil and gas wells into the Wolfcamp at the depth 9,600' to 10,250', at a maximum rate of 20,000 barrels of water per day and at a maximum pressure of 1920 psi. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, NM 87505, within 15 days. Additional information can be obtained by contacting Kanicia Castillo, COG Operating LLC, One Concho Center, 600 W Illinois Ave, Midland, TX 79701; phone number is 432-685-4332.
#30324

Publisher

Sworn and subscribed to before me this
17th day of September 2015.

Business Manager

My commission expires
January 29, 2019
(Seal)



OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-19

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

67112034

00163209

BRIAN COLLINS
COG OPERATING LLC
2208 W. MAIN ST.
ARTESIA, NM 88210

CONCHO

September 29, 2015

Occidental Permian LTD
PO Box 4294
Houston, TX 77210

Certified Mail Article Number: 91 7199 9991 7033 2258 1881

Re: SWD Application

Maljamar 28 SWD #1
API# Pending
I-28-17S-32E
1600 FSL & 505 FEL
SWD;Wolfcamp 96135
Lea County, New Mexico

To Whom It May Concern:

This letter will serve as notice under Rule 19.15.26.8B that COG Operating LLC has applied for a permit from the Oil Conservation Division in Santa Fe, NM for a new SWD well. We will be injecting, for the purpose of disposal, into the Wolfcamp Reef. Injection interval will be 9,600' – 10,250'.

Should your company have any objection, it must be filed in writing within fifteen (15) days from the date of this notice. If the Oil Conservation Division determines the application complies with the applicable regulations, then it will be approved. The New Mexico Oil Conservation Division address is 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505, the telephone number is 505-476-3440.

Sincerely,

Kanicia Castillo
COG Operating LLC
Lead Regulatory Analyst

CONCHO

September 29, 2015

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

Certified Mail Article Number: 91 7199 9991 7033 2258 1898

Re: SWD Application

Maljamar 28 SWD #1
API# Pending
I-28-17S-32E
1600 FSL & 505 FEL
SWD;Wolfcamp 96135
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Sincerely,

Kanicia Castillo
COG Operating LLC
Lead Regulatory Analyst

CERTIFIED MAIL

7CHO

nter
s Avenue
79701

9L 7199 9991 7033 2258 1881

Occidental Permian LTD
PO Box 4294
Houston, TX 77210

SENDER: COMPLETE THIS SECTION

- ☐ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- ☐ Print your name and address on the reverse so that we can return the card to you.
- ☐ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Occidental Permian LTD
PO Box 4294
Houston, TX 77210

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 9L 7199 9991 7033 2258 1881

PS Form 3811, July 2013 Domestic Return Receipt

CERTIFIED MAIL

nter
s Avenue
79701

9L 7199 9991 7033 2258 1898

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

SENDER: COMPLETE THIS SECTION

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X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☑ Certified Mail® ☐ Priority Mail Express™
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 9L 7199 9991 7033 2258 1898

PS Form 3811, July 2013 Domestic Return Receipt

CONCHO

September 29, 2015

Phillip Goetze
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: Saltwater Disposal Application

Maljamar 28 SWD #1
API# Pending
I-28-17S-32E
1600 FSL & 505 FEL
SWD;Wolfcamp 96135
Lea County, New Mexico

Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject the Maljamar 28 SWD #1 for SWD purposes. This well will be a new drill, completing for purpose of a saltwater disposal. We would like approval to inject into the Wolfcamp interval, located between 9,600' – 10,250'.

Please contact me at 432-685-4332 or email at kcastillo@concho.com if you need additional information.

Sincerely,

Kanicia Castillo
Lead Regulatory Analyst
COG Operating LLC

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No 1004-0137
Expires October 31, 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☐ Gas Well ☑ Other SWD

8. Well Name and No.
Maljamar 28 SWD #1

2. Name of Operator
COG Operating LLC

9. API Well No.

3a. Address
One Concho Center, 600 W. Illinois AVe
Midland, TX 79701

3b. Phone No. *(include area code)*
432-683-7443

10. Field and Pool or Exploratory Area
SWD;Wolfcamp 96135

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
1600' FSL & 505' FEL
Sec 28, T17S, R32E, Unit I

11. County or Parish, State
Lea County, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other SWD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests to complete this SWD as follows:

Please see attachment.

A copy of the C-108 and attachments have also been included for your review.

14. I hereby certify that the foregoing is true and correct Name *(Printed/Typed)*

Title Lead Regulatory Analyst

Signature

Date 09/15/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon

Office

Title 18 U S C Section 1001 and Title 43 U S C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Kanicia Castillo

From: trackingupdates@fedex.com
Sent: Thursday, October 01, 2015 12:43 PM
To: Kanicia Castillo
Subject: [External] FedEx Shipment 774624481249 Delivered

Your package has been delivered

Tracking # 774624481249

Ship date:
Tue, 9/29/15

Kanicia Castillo
Concho
Midland, TX 79701
US

Delivered

Delivery date:
Thu, 10/1/15 11:38 am

Chris Walls
Bureau of Land Management
620 E. Greene St.
CARLSBAD, NM 88220
US

Shipment Facts

Our records indicate that the following package has been delivered.

Tracking number:	774624481249
Status:	Delivered: 10/01/2015 11:38 AM Signed for By: I.YOUNG
Signed for by:	I.YOUNG
Delivery location:	CARLSBAD, NM
Delivered to:	Receptionist/Front Desk
Service type:	FedEx Priority Overnight
Packaging type:	FedEx Envelope
Number of pieces:	1
Weight:	0.50 lb.
Special handling/Services:	Deliver Weekday

Please do not respond to this message. This email was sent from an unattended mailbox. This report was generated at approximately 12:43 PM CDT on 10/01/2015.

To learn more about FedEx Express, please go to fedex.com.

All weights are estimated.

To track the latest status of your shipment, click on the tracking number above or go to fedex.com.

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
September 17, 2015
and ending with the issue dated
September 17, 2015.

LEGAL NOTICE
September 17, 2015

COG Operating LLC is applying for an SWD permit for the Mallamar 28 SWD #1. The well is located at 1600' FSL & 1505' FEL, Sec. 28, T.17S, R32E, Unit L, Lea County, NM. The well will dispose of produced water from oil and gas wells into the Wolfcamp at the depth 9,600' to 10,250' at a maximum rate of 20,000 barrels of water per day and at a maximum pressure of 1920 psi. Interested parties must file objections or requests for hearing with the New Mexico Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, NM 87505, within 15 days. Additional information can be obtained by contacting Kanicia Castillo, COG Operating LLC, One Concho Center, 600 W. Illinois Ave, Midland, TX 79701, phone number is 432-685-4332. #30324

Daniel Russell
Publisher

Sworn and subscribed to before me this
17th day of September 2015.

Gussie Black
Business Manager

My commission expires
January 29, 2019
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-19

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

67112034 00163209

BRIAN COLLINS
COG OPERATING LLC
2208 W. MAIN ST.
ARTESIA, NM 88210

C-108 Review Checklist: Received 10-14 Add. Request: 10-16, 11-6 Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / (SWD) Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 2 Well Name(s): MALJAMAR

API: 30-0 25-pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 505 FEL / 1600 FSL Lot ___ or Unit I Sec 28 Tsp 17S Rge 32E County Lea

General Location: 3 miles S/ Maljamar Pool: SWD; Wolfcamp Pool No.: 96135

BLM 100K Map: Hobbs Operator: COG Operating, LLC OGRID: 229137 Contact: Kanicia Castillo

COMPLIANCE RULE 5.9: Total Wells: 3929 Inactive: 3 Fincl Assur: Y Compl. Order? N/A IS 5.9 OK? Y Date: 11-6-2015

WELL FILE REVIEWED ✓ Current Status: Proposed

WELL DIAGRAMS: NEW: Proposed ○ or RE-ENTER: Before Conv. ○ After Conv. ○ Logs in Imaging: N/A

Planned Rehab Work to Well: _____

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement (Sx or Cf)	Cement Top and Determination Method
Planned __or Existing __Surface	17½ / 13 3/8	915		675	Surface / Visual
Planned __or Existing __Interm/Prod	12¼ / 9 5/8	2130		575	Surface / Visual
Planned __or Existing __Interm/Prod	8¾ / 7	9600	7000	1250	Surface / Visual
Planned __or Existing __Prod/Liner					
Planned __or Existing __Liner					
Planned __or Existing (OH) / PERF	9600 / 10250		Inj Length 650		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.	[redacted]	Wolfcamp	9600
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	9600		
Proposed Inj Interval BOTTOM:	10250		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.	[redacted]		

Completion/Operation Details:

Drilled TD 10250 PBTD _____

NEW TD _____ NEW PBTD _____

NEW Open Hole ○ or NEW Perfs ○

Tubing Size 3½ in. Inter Coated? Y

Proposed Packer Depth 9560 ft

Min. Packer Depth 9500 (100-ft limit)

Proposed Max. Surface Press. 1920 psi

Admin. Inj. Press. 1920 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ____ Noticed? ____ BLM Sec Ord ○ WIPP ○ Noticed? ____ Salt/Salado T: ____ B: ____ **NW:** Cliff House fm ____

FRESH WATER: Aquifer Quaternary Max Depth [redacted] 120 **HYDRO AFFIRM STATEMENT** By Qualified Person ○

NMOSE Basin: Lea CAPITAN REEF: thru ____ adj (NA) No. Wells within 1-Mile Radius? ____ FW Analysis

Disposal Fluid: Formation Source(s) Yates Analysis? Y On Lease ○ Operator Only ○ or Commercial ○

Disposal Int: Inject Rate (Avg/Max BWPD): 15,000 / 20,000 Protectable Waters? ____ Source: ____ System: Closed ✓ or Open

HC Potential: Producing Interval? N/A Formerly Producing? ____ Method: Logs/DST/P&A/Other Aug wells 2-Mile Radius Pool Map ○

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 2 Horizontals? 0

Penetrating Wells: No. Active Wells 2 Num Repairs? 0 on which well(s)? _____ Diagrams? ____

Penetrating Wells: No. P&A Wells 0 Num Repairs? ____ on which well(s)? _____ Diagrams? ____

NOTICE: Newspaper Date 9-17 Mineral Owner Bum Surface Owner BLM N. Date 10-11

RULE 26.7(A): Identified Tracts? ____ Affected Persons: ConocoPhillips, OXY N. Date 9-29

Order Conditions: Issues: C-B-L 7"/casing to surface.

Add Order Cond: _____