

ABOVE THIS LINE FOR DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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]

- [1] TYPE OF APPLICATION - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication
 NSL NSP SD
- 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
- [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

- COG OPERATING LLC
22937
- well
- MALJAMAN 27540
#3
30-025-pending
Pool
- SWD WORKCAMP
96135

[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 see letter LEAD REGULATORY ANALYST Sept 14, 2015
 Print or Type Name Signature Title Date

e-mail Address



RECEIVED OGD
September 14, 2015

2015 SEP 15 A 4: 44

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

RE: Saltwater Disposal Application

Maljamar 27 SWD #3
API# Pending
N-27-17S-32E
225 FSL & 2185 FWL
SWD;Wolfcamp 96135
Lea County, New Mexico

Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject the Maljamar 27 SWD #3 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 9,650' – 10,500'.

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

Sincerely,

A handwritten signature in black ink, appearing to read "K Castillo".

Kanicia Castillo
Lead Regulatory Analyst
COG Operating LLC

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance 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 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: 09/11/15
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: _____

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

OPERATOR: COG Operating LLCWELL NAME & NUMBER: Maljamar 27 SWD #3

WELL LOCATION: <u>225' FSL & 2185 FWL</u>	<u>N</u>	<u>27</u>	<u>17S</u>	<u>32E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

See Attachment

WELL CONSTRUCTION DATASurface Casing

Hole Size: <u>17-1/2"</u>	Casing Size: <u>13-3/8"</u>
Cemented with: <u>725</u> sx.	or _____ ft ³
Top of Cement: <u>Surface</u>	Method Determined: <u>Circ</u>

Intermediate Casing

Hole Size: <u>12-1/4"</u>	Casing Size: <u>9-5/8"</u>
Cemented with: <u>650</u> sx.	or _____ ft ³
Top of Cement: <u>Surface</u>	Method Determined: <u>Circ</u>

Production Casing

Hole Size: <u>8-3/4"</u>	Casing Size: <u>7</u>
Cemented with: <u>1300</u> sx.	or _____ ft ³
Top of Cement: <u>Surface</u>	Method Determined: <u>Circ</u>
Total Depth: <u>9,650'</u>	

Injection IntervalOpen Hole 9,650' feet to 10,500'

(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: 9,600'

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

Additional Data

1. Is this a new well drilled for injection? 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

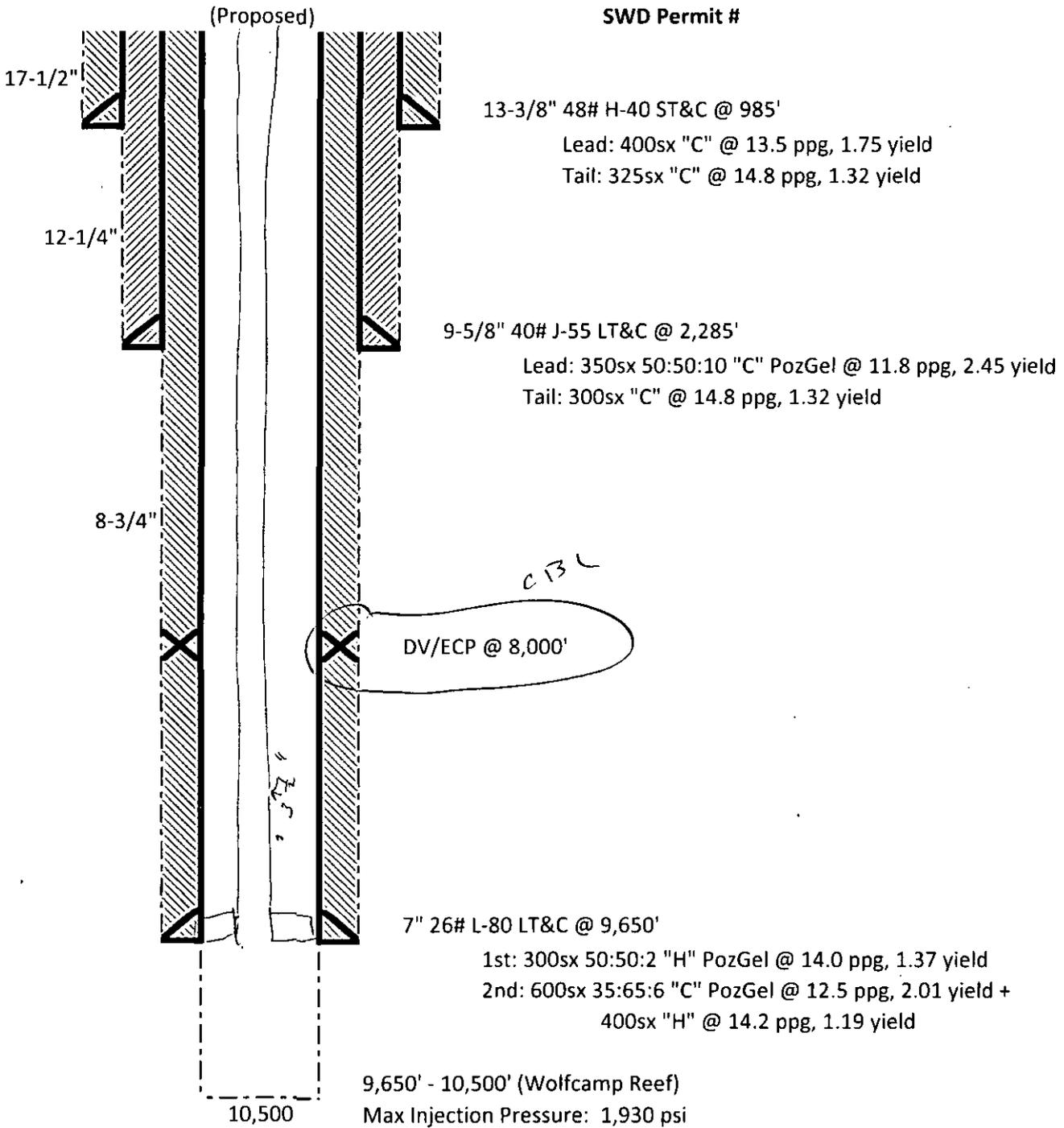
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

San Andres - 4,150'

Yeso - 6,045'

Wolfcamp - 9,345'

Maljamar 27 SWD #3
225' FSL; 2,185' FWL
N, 27, T17S, R32E, Lea Co., NM
API#
SWD Permit #



District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name MALJAMAR 27 SWD				6 Well Number 3			
7 GRID NO.		8 Operator Name COG OPERATING, LLC				9 Elevation 3962'			
10 Surface Location									
UL or lot no. N	Section 27	Township 17S	Range 32E	Lot Idn	Feet from the 225	North/South line SOUTH	Feet From the 2185	East/West line WEST	County LEA
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

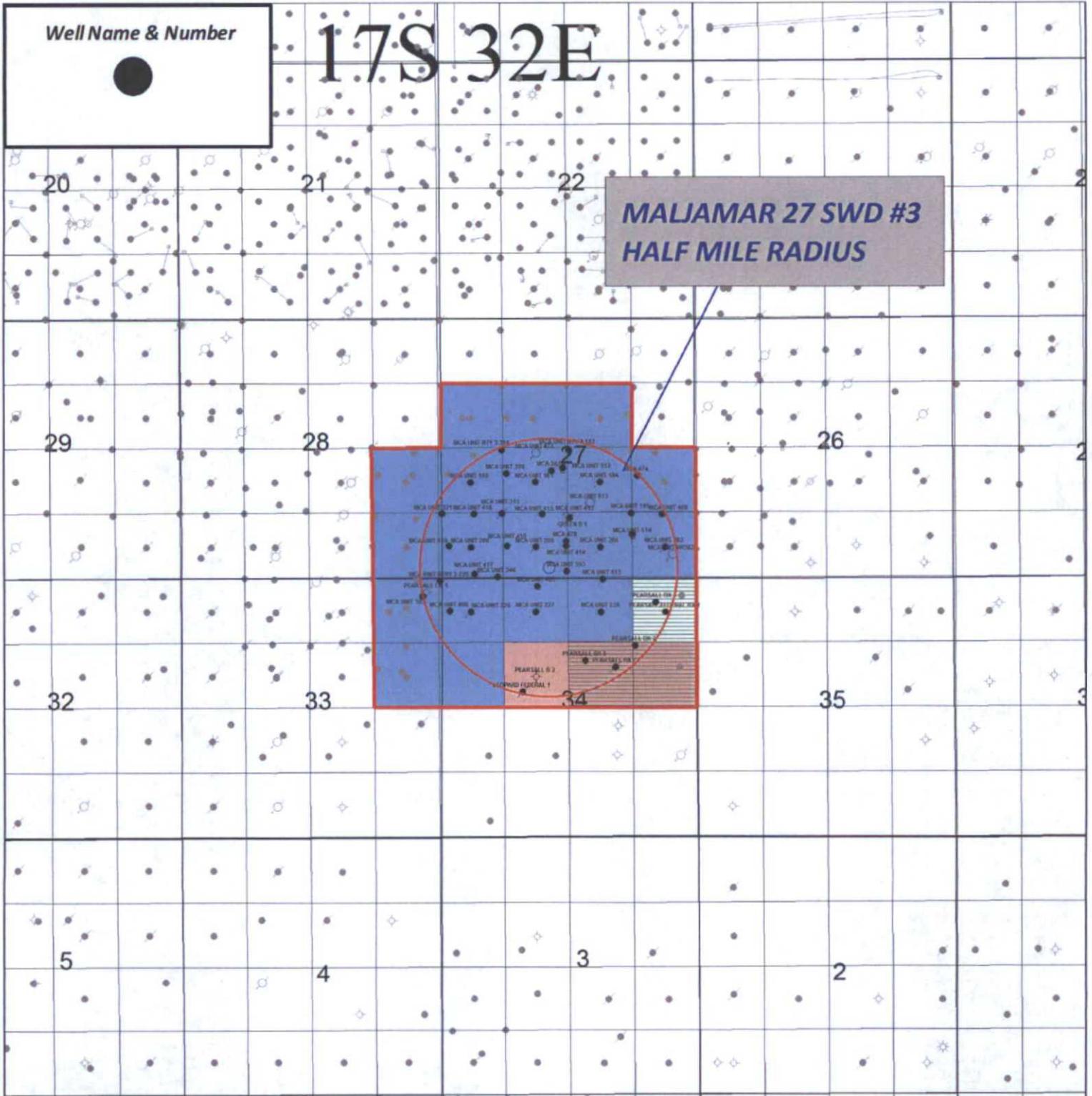
No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.

<p>16</p> <p>ⓑ</p> <p>DETAILED SURVEY</p> <p>3971.2' 600' 3969.7'</p> <p>600' S. L.</p> <p>3958.0' 3957.8'</p> <p>2185'</p> <p>SEE DETAIL "A"</p> <p>S. L.</p> <p>225'</p> <p>ⓐ</p>	<p>Ⓒ</p> <p>GEODETIC DATA NAD 27 GRID - NM EAST</p> <p>SURFACE LOCATION N 654810.5 - E 677644.7</p> <p>LAT: 32.79882898° N LONG: 103.75521189° W</p> <p>CORNER DATA NAD 27 GRID - NM EAST</p> <p>A: FOUND 2" IRON PIPE N 654576.2 - E 675461.0</p> <p>B: FOUND 1/2" REBAR N 659858.7 - E 675431.5</p> <p>C: FOUND BRASS CAP "1913" N 659876.2 - E 680701.5</p> <p>D: FOUND BRASS CAP "1913" N 654597.3 - E 680736.5</p> <p>E: FOUND BRASS CAP "1913" N 654587.3 - E 678099.0</p>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p>E-mail Address _____</p>
	<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>7/31/14 Date of Survey</p> <p>Signature and Seal of Professional Surveyor</p> <p>19680 Certificate Number</p> <p>ROBERT M. HOWETT NEW MEXICO 19680 PROFESSIONAL SURVEYOR</p>	

Well Name & Number



17S 32E



**MALJAMAR 27 SWD #3
HALF MILE RADIUS**

Legend

-  Occidental Permian Lease Owner of targeted area
-  ConocoPhillips Company
-  Legacy Reserves
-  Mack Energy
-  Mack Energy-Legacy Reserves



SENM
Maljamar 27 SWD #3
 Sec. 27, T17S - R32E
HALF MILE RADIUS

Author:
L. Marley

SENM: BLM APD FRAC MAPS/lm_BLM_APD
FRAC MAP_Maljamar27-SWD_3.gmp

Date:
3 September, 2015

Scale:
1:3000

Maljamar 27 SWD #3

Well Name	Well Number	Well ID	Operator	Hole Direction	TD	TVD	Status	Unit	SHL/BHL Location	SHL/BHL Footage
MCA UNIT	184	300250071800	CONOCOPHILLIPS COMPANY	VER	4009		INJ	J	TWP: 17 S - Range: 32 E - Sec. 27	1980 FSL/1980 FEL
MCA UNIT	204	300250072300	CONOCOPHILLIPS COMPANY	VER	4132		OIL	O	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL/1980 FEL
MCA UNIT	181	300250072400	CONOCOPHILLIPS COMPANY	VER	4011		OIL	K	TWP: 17 S - Range: 32 E - Sec. 27	1980 FSL/1980 FWL
MCA UNIT	203	300250072500	CONOCO INCORPORATED	VER	4152		ABD-OW	P	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL/660 FEL
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	183	300250073000	CONOCOPHILLIPS COMPANY	VER	4205		P&A	O	TWP: 17 S - Range: 32 E - Sec. 27	1295 FSL 2615 FEL
QUEEN B	1	300250073100	PRE-ONGARD	VER	3357		ABD-OW	O	TWP: 17 S - Range: 32 E - Sec. 27	1249 FSL/2606 FEL
MCA UNIT	185	300250073200	CONOCOPHILLIPS COMPANY	VER	4274		OIL	J	TWP: 17 S - Range: 32 E - Sec. 27	1345 FSL/1345 FEL
MCA UNIT	383	300250081500	CONOCO INCORPORATED	VER	9486		ABD-OW	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
MCA UNIT	227	300250081800	CONOCOPHILLIPS COMPANY	VER	4171		ABD-OW	C	TWP: 17 S - Range: 32 E - Sec. 34	660 FNL/1980 FWL
MCA UNIT	228	300250081900	CONOCOPHILLIPS COMPANY	VER	4203		OIL	B	TWP: 17 S - Range: 32 E - Sec. 34	660 FNL/1980 FEL
PEARSALL-FEDERAL BX	1	300250082100	LEGACY RESERVES OPERATING,LI	VER	4316		OIL	A	TWP: 17 S - Range: 32 E - Sec. 34	660 FNL/660 FEL
PEARSALL BX	2	300250082200	LEGACY RESERVES OPERATING,LI	VER	3560		OIL	H	TWP: 17 S - Range: 32 E - Sec. 34	1345 FNL/1295 FEL
PEARSALL B	2	300250082300	PRE-ONGARD	VER	5150		D&A	G	TWP: 17 S - Range: 32 E - Sec. 34	1980 FNL/1980 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
MCA UNIT BTY 3	182	300251279300	CONOCOPHILLIPS COMPANY	VER	4070		OIL	J	TWP: 17 S - Range: 32 E - Sec. 27	2615 FSL 2570 FEL
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	321	300252423300	CONOCOPHILLIPS CO	VER	4175		OIL	L	TWP: 17 S - Range: 32 E - Sec. 27	1345 FSL/75 FWL
MCA UNIT	WI302	300252429800	CONOCOPHILLIPS COMPANY	VER	4400		INJ	P	TWP: 17 S - Range: 32 E - Sec. 27	510 FSL/510.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	353	300252458300	CONOCOPHILLIPS COMPANY	VER	4350		OIL	N	TWP: 17 S - Range: 32 E - Sec. 27	175 FSL/2615 FWL
PEARSALL BX	3	300252472500	LEGACY RESERVES OPERATING,LI	VER	4475		OIL	A	TWP: 17 S - Range: 32 E - Sec. 34	460 FNL 860 FEL
PEARSALL BX	5	300253105500	LEGACY RESERVES OPERATING,LI	VER	4758		OIL	G	TWP: 17 S - Range: 32 E - Sec. 34	1650 FNL 2310 FEL
MCA	387H	300253514200	CONOCOPHILLIPS COMPANY	HOR	3988		ABD-OW	K	TWP: 17 S - Range: 32 E - Sec. 27	2197 FSL 2255 FWL
PEARSALL BX	7	300253651100	MACK ENERGY CORP	VER	6020		ABD-OW	G	TWP: 17 S - Range: 32 E - Sec. 34	1800 FNL 1650 FEL
LEOPARD FEDERAL	1	300253660100	MACK ENERGY CORP	VER	5360		ABD-OW	F	TWP: 17 S - Range: 32 E - Sec. 34	2310 FNL 1650 FWL
MCA UNIT	405	300253885900	CONOCOPHILLIPS COMPANY	VER	4566		OIL	C	TWP: 17 S - Range: 32 E - Sec. 34	160 FNL 1936 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	408	300253897700	CONOCOPHILLIPS COMPANY	VER	4476		OIL	P	TWP: 18 S - Range: 16 E - Sec. 10	1310 FSL 660 FEL
MCA UNIT	413	300253898100	CONOCOPHILLIPS COMPANY	VER	4620		OIL	B	TWP: 17 S - Range: 32 E - Sec. 34	10 FNL 1880 FEL
MCA UNIT	414	300253898200	CONOCOPHILLIPS COMPANY	VER	4510		OIL	O	TWP: 17 S - Range: 32 E - Sec. 27	660 FSL 2630 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
MCA	474	300253932000	CONOCOPHILLIPS COMPANY	VER	4390		OIL	I	TWP: 17 S - Range: 32 E - Sec. 27	2100 FSL 1180 FEL
MCA	478	300253935100	CONOCOPHILLIPS COMPANY	VER	4200		OIL	O	TWP: 18 S - Range: 16 E - Sec. 10	760 FSL 2630 FEL
MCA UNIT	477	300253943100	CONOCOPHILLIPS COMPANY	VER	4207		INJ	K	TWP: 17 S - Range: 32 E - Sec. 27	2570 FSL 1920 FWL

Maljamar 27 SWD #3

MCA UNIT	512	300254139800	CONOCOPHILLIPS COMPANY	VER	4375		OIL	K	TWP: 17 S - Range: 32 E - Sec. 27	2185 FSL 2470 FWL
MCA UNIT	513	300254139900	CONOCOPHILLIPS COMPANY	VER	4454		INJ	J	TWP: 17 S - Range: 32 E - Sec. 27	1510 FSL 2180 FEL
MCA UNIT	514	300254140000	CONOCOPHILLIPS COMPANY	VER	4550		OIL	P	TWP: 17 S - Range: 32 E - Sec. 27	810 FSL 1300 FEL

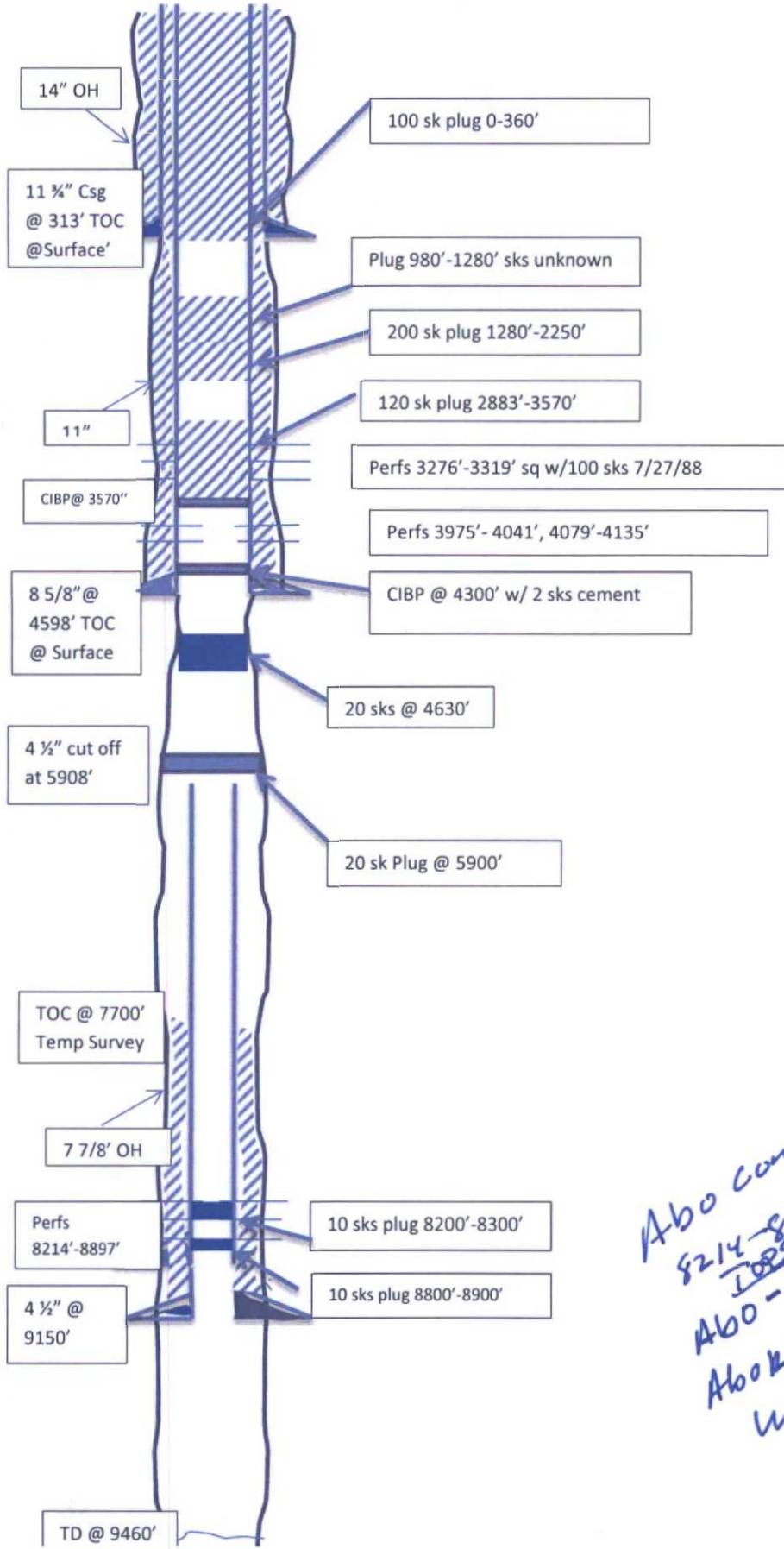
Area of Review

Maljamar 27 SWD #3

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	TOC	Intermediate Size	Intermediate Depth	TOC	Production Csg Size	Production Csg Depth	TOC	Schematic attached	Status
MCA Unit #383	300250081500	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/cir	8 5/8"	4576'	surface/cir	4 1/2"	9180'	7700' / Temp Survey	yes	P&A
1st Re-Completion					2/7/1965	oil	3405'	3276'-3315'	2/18/1964	13 3/8"	360'	surface/cir	8 5/8"	4576'	surface/cir	4 1/2"	9180'	7700' / Temp Survey		P&A
2nd Re-Completion					7/27/1988	oil	4300'	3975'-4135'	11/9/1993	13 3/8"	360'	surface/cir	8 5/8"	4576'	surface/cir	4 1/2"	9180'	7700' / Temp Survey		P&A

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



*Abc completion
 8214-8897 (Perf)
 ABC
 ABC - 7740
 ABC keef - 8200
 WC - 933*

VII.

COG Operating, LLC
Maljamar 27 SWD #3
Lease # Pending
API# Pending
Sec 27, T17S, R32E, Unit N
225' FSL & 2185' FWL
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 1930 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
 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			Cations		
		mg/l	meq/l	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:			Conductivity (micro-ohms/cm):		189200
		pH used in Calculation:		6.45	Resistivity (ohm meter):		0.0529
		Temperture @ lab conditions (F):		75			

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		
	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
°F											
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 27 #3 (SWD; Wolfcamp)

- Wolfcamp:
 - 9,650.0'-10450.0' TVD

The Maljamar SWD 30 #2 is a vertical well that will be drilled to a true vertical depth (TVD) of 10,450.0'.

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 9,650' TVD to 10,450' 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

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.

5. Lease Serial No.
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other SWD

2. Name of Operator
 COG Operating LLC

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 225' FSL & 2185' FWL
 Sec 27, T17S, R32E, Unit N

7. If Unit of CA/Agreement, Name and/or No.
 8. Well Name and No.
 Maljamar 27 SWD #3

9. API Well No.

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

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			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SWD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.)

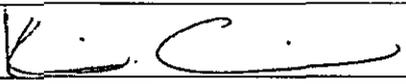
COG Operating LLC respectfully requests to complete this SWD as follows:

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 09/11/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title Date

Office

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.

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.

Maljamar 27 SWD #3 – SWD Completion Procedure (AFE#)

225' FSL & 2,185' FWL

Sec 27, T17S, R32E

Lea Co, NM

API#

SWD –

Objective

Complete the Maljamar 27 SWD #3 in the Wolfcamp Reef formation as detailed in the paragraphs below. The completion will be in 6-1/8" diameter open hole with 850' gross interval acidized according to the schedule below.

Well Data

Injection Formation: Wolfcamp Reef

Injection Interval: 9,650' – 10,500'

Completion Type: Open Hole w/ acid stimulation

MD/PBTD: 10,500'

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 @ 985'

1st: Lead 400sx "C" @ 13.5 ppg, 1.75 yield; Tail 325sx "C" @ 14.8 ppg, 1.32 yield

9-5/8" 40# J55 LTC @ 2,285'

1st: Lead 350sx 50:50:10 "C" PozGel @ 11.8 ppg, 2.45 yield; Tail 300sx "C" @ 14.8 ppg, 1.32 yield

7" 26# L80 LTC @ 9,650' - (DV/ECP @ 8,000')

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 + 400sx "H" @ 14.2 ppg, 1.19 yield

Contacts

NMOCD – 575.626.0831 – Richard Inge

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 (8,000'). 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 (10,500'). 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 9,600'. 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 9,650' to 10,500' 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
 - 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.
- RU wireline and retrieve blanking plug set in profile nipple.
- Give NMOCD Artesia 24 hours notice for MIT. Test tubing x casing annulus to 500 psi for 30 minutes. Send MIT chart to Susan Lopez.
- 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.

X.

COG Operating, LLC
Maljamar 27 SWD #3
Lease # Pending
API# Pending
Sec 27, T17S, R32E, Unit N
225' FSL & 2185' FWL
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. (quarters are 1=NW 2=NE 3=SW 4=SE)
 C=the file is closed (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	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	1501

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 616500.67

Northing (Y): 3629683.88

Radius: 1609.3

Sorted by: Distance

COG Operating LLC Notes: This well was not drilled.

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, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer Water Right Summary



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

Current Points of Diversion

POD Number	Source	Q Q Q			X	Y	Other Location Desc
		64	16	4			
<u>RA 12204 POD1</u>		3	1	4	28	17S 32E	615049 3630067 MW1

(NAD83 UTM in meters)

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, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer Transaction Summary

EXPL Permit To Explore

Transaction Number: 559063

Transaction Desc: RA 12204 POD1

File Date: 12/09/2014

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *****
Applicant: CONOCO PHILLIPS
Contact: IRENE WHITE

Events

Date	Type	Description	Comment	Processed By
 12/09/2014	APP	Application Received	*	*****
12/09/2014	FTN	Finalize non-published Trans.		*****
02/26/2015	QAT	Quality Assurance Completed	SQ2	*****
03/04/2015	QAT	Quality Assurance Completed	IMAGE	*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
RA 12204	0	0		MON MONITORING WELL
**Point of Diversion				
RA 12204 POD1		615049	3630067 	in NON Grant

Remarks

INSTALLATION OF A NEAR SOURCE MONITOR WELL MW1 FOR SAMPLING PURPOSES SEE ATTACHED NMOCD AND BLM APPROVED CORRECTIVE ACTION PLAN

Conditions

- 4 No water shall be appropriated and beneficially used under this permit.
- 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.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 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.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) 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.
- 1A Depth of the well shall not exceed the thickness of the valley fill.

Action of the State Engineer

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

Approval Code: A - Approved

Action Date: 12/09/2014

Log Due Date: 12/31/2015

State Engineer: Tom Blaine, P.E.



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 12204 POD1	3	1	4	28	17S	32E	615049	3630067

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:

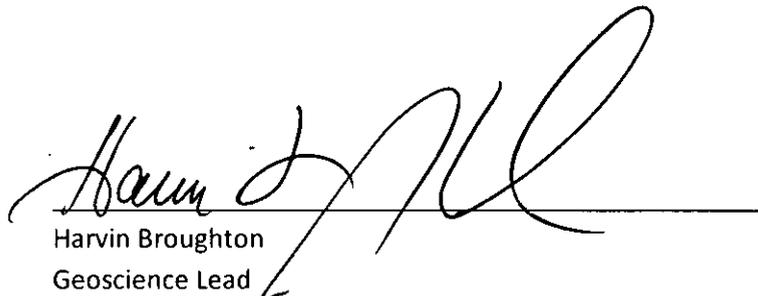
Depth Well:

Depth Water:

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, or suitability for any particular purpose of the data.

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

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 03, 2015
and ending with the issue dated
September 03, 2015.



Publisher

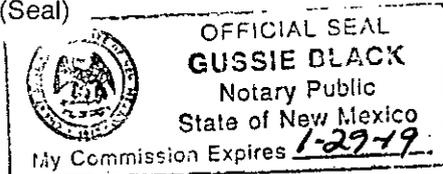
Sworn and subscribed to before me this
3rd day of September 2015.



Business Manager

My commission expires
January 29, 2019

(Seal)



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

00162440

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

Maljamar 27 SWD #3

Notices

ConocoPhillips Company 3401 E. 30th Street, Farmington, NM 87402- 91 7199 9991 7033 2258 1904

Legacy Reserves Operating LP PO Box 10848, Midland, TX 79702 – 91 7199 9991 7033 2258 1928

Mack Energy Corporation 11344 Lovington Hwy, Artesia, NM 88211 – 91 7199 9991 7033 2258 1935

Occidental Permian LTD PO Box 4294, Houston, TX 77210 – 91 7199 9991 7033 2258 1911



September 14, 2015

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

Certified Mail Article Number: 91 7199 9991 7033 2258 1904

Re: SWD Application

Maljamar 27 SWD #3
API# Pending
N-27-17S-32E
225 FSL & 2185 FWL
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 9,650' – 10,500'.

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,

A handwritten signature in black ink, appearing to read "K. Castillo".

Kanicia Castillo
COG Operating LLC
Lead Regulatory Analyst



September 14, 2015

Legacy Reserves Operating LP
PO Box 10848
Midland, TX 79702

Certified Mail Article Number: 91 7199 9991 7033 2258 1928

Re: SWD Application

Maljamar 27 SWD #3
API# Pending
N-27-17S-32E
225 FSL & 2185 FWL
SWD;Wolfcamp 96135
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Kanicia Castillo
COG Operating LLC
Lead Regulatory Analyst



September 14, 2015

Mack Energy Corporation
11344 Lovington Hwy
Artesia, NM 88211

Certified Mail Article Number: 91 7199 9991 7033 2258 1935

Re: SWD Application

Maljamar 27 SWD #3
API# Pending
N-27-17S-32E
225 FSL & 2185 FWL
SWD;Wolfcamp 96135
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COG Operating LLC
Lead Regulatory Analyst



September 14, 2015

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PO Box 4294
Houston, TX 77210

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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 9,650' – 10,500'.

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,

A handwritten signature in black ink, appearing to read "Kanicia Castillo".

Kanicia Castillo
COG Operating LLC
Lead Regulatory Analyst

REGISTERED MAIL



One Concho Center
600 West Illinois Avenue
Midland, Texas 79701

91 7199 9991 7033 2258 1904

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

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <input type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee X	
1. Article Addressed to: <p style="text-align: center;">ConocoPhillips Company 3401 E. 30th Street Farmington, NM 87402</p>	B. Received by (<i>Printed Name</i>)	C. Date of Delivery
2. Article Number (<i>Transfer from service label</i>)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No 3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery	
	4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes	
PS Form 3811, July 2013 Domestic Return Receipt		

91 7199 9991 7033 2258 1904

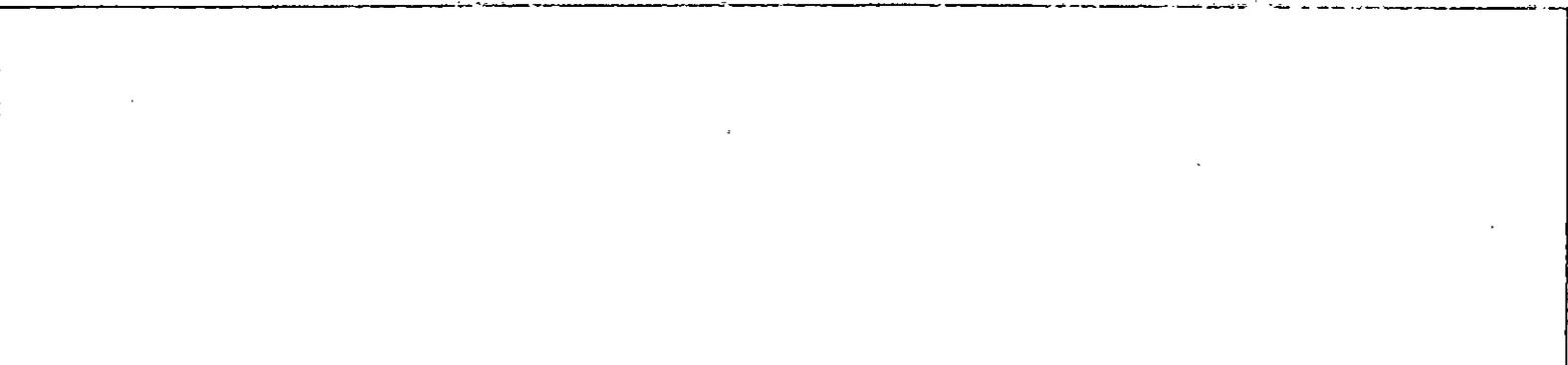


One Concho Center
 600 West Illinois Avenue
 Midland, Texas 79701

91 7199 9991 7033 2258 1928

Legacy Reserves Operating LP
 PO Box 10848
 Midland, TX 79702

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <input type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. 	A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee X	
1. Article Addressed to: <div style="text-align: center;"> <p>Legacy Reserves Operating LP PO Box 10848 Midland, TX 79702</p> </div>	B. Received by (Printed Name)	C. Date of Delivery
2. Article Number <i>(Transfer from service label)</i>	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
PS Form 3811, July 2013	3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery	
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
	91 7199 9991 7033 2258 1928	
	Domestic Return Receipt	



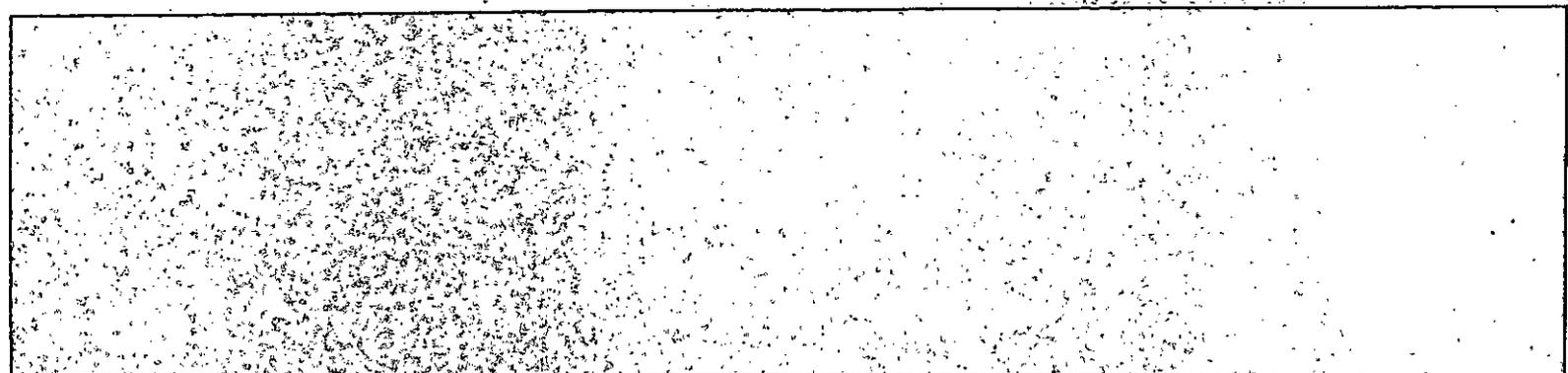
INCHO

Center
inois Avenue
xas 79701

91 7199 9991 7033 2258 1935

Mack Energy Corporation
1344 Lovington HWY
Artesia, NM 88211

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ 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.	A. Signature <input type="checkbox"/> Agent X <input type="checkbox"/> Addressee
1. Article Addressed to: Mack Energy Corporation 1344 Lovington HWY Artesia, NM 88211	B. Received by (<i>Printed Name</i>) C. Date of Delivery
2. Article Number (<i>Transfer from service label</i>)	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
PS Form 3811, July 2013	3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery 4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes
	91 7199 9991 7033 2258 1935
	Domestic Return Receipt



CERTIFIED MAIL

SONCHO

Soncho Center
West Illinois Avenue
Houston, Texas 79701

91 7199 9991 7033 2258 1911

Occidental Permian LTD
PO Box 4294
Houston, TX 77210

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <input type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X</p> <p>B. Received by (<i>Printed Name</i>) C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Occidental Permian LTD PO Box 4294 Houston, TX 77210</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (<i>Extra Fee</i>) <input type="checkbox"/> Yes</p>
<p>2. Article Number (<i>Transfer from service label</i>)</p>	<p>91 7199 9991 7033 2258 1911</p>
<p>PS Form 3811, July 2013 Domestic Return Receipt</p>	



C-108 Review Checklist: Received 9/15/2015 Add. Request: _____ Reply Date: _____ Suspended: _____ [Ver 15]

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

Well No. 3 Well Name(s): MALYAMAR SWD

API: 30-0 25-Pending Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)
-225KSL

Footages 215FLL Lot _____ or Unit N Sec 27 Tsp 17S Rge 32E County LCC

General Location: 3 miles South/West of Pool: SWD, WOLF CAMP Pool No.: 96135

BLM 100K Map: Hobbs Operator: COG OPERATING, LLC OGRID: 229137 Contact: KARZIG CASTILLO

COMPLIANCE RULE 5.9: Total Wells: 3923 Inactive: 0 Fincl Assur: Y Compl. Order? MA IS 5.9 OK? Y Date: 1-9-2016

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: C-B-L 7" / SURFACE

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement S or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>17 1/2 / 13 3/4</u>	<u>985</u>	<u>725</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>12 1/4 / 9 5/8</u>	<u>2285</u>	<u>650</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod	<u>8 3/4 / 7"</u>	<u>9600</u>	<u>900</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod/Liner				
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ <input checked="" type="radio"/> / PERF	<u>9650 / 10500</u>			

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Inj Length	Completion/Operation Details:
Adjacent Unit: Litho. Struc. Por.					Drilled TD <u>10500</u> PBTD _____
Confining Unit: Litho. Struc. Por.					NEW TD _____ NEW PBTD _____
Proposed Inj Interval TOP:	<u>96500</u>				NEW Open Hole <input checked="" type="radio"/> or NEW Perfs <input type="radio"/>
Proposed Inj Interval BOTTOM:	<u>10500</u>				Tubing Size <u>3 1/2</u> in. Inter Coated? _____
Confining Unit: Litho. Struc. Por.					Proposed Packer Depth <u>9600</u> ft
Adjacent Unit: Litho. Struc. Por.					Min. Packer Depth <u>9550</u> (100-ft limit)
					Proposed Max. Surface Press. <u>1930</u> psi
					Admin. Inj. Press. <u>1930</u> (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 120' HYDRO AFFIRM STATEMENT By Qualified Person

NMOSE Basin: Lea CAPITAN REEF: thru adj No. Wells within 1-Mile Radius? _____ FW Analysis _____

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

Disposal Int: Inject Rate (Avg/Max BWPD): 104/15K Protectable Waters? MA Source: P&A System or Open _____

HC Potential: Producing Interval? _____ Formerly Producing? X Method: Logs/DST/P&A/Other P&A 2-Mile Radius Pool Map

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

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

Penetrating Wells: No. P&A Wells 1 Num Repairs? _____ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date 9-3-2015 Mineral Owner BLM Surface Owner BLM N. Date 9/15

RULE 26.7(A): Identified Tracts? Y Affected Persons: CONOCOPHILLIPS, LEGACY, MACK N. Date 9/14

Order Conditions: Issues: Operator shall provide updated

Add Order Cond: _____

Kanicia Castillo

From: trackingupdates@fedex.com
Sent: Tuesday, September 15, 2015 1:02 PM
To: Kanicia Castillo
Subject: FedEx Shipment 774505537887 Delivered

Your package has been delivered

Tracking # 774505537887

Ship date:
Mon, 9/14/15

Kanicia Castillo
Concho
Midland, TX 79701
US



Delivered

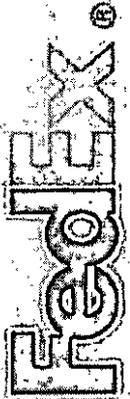
Delivery date:
Tue, 9/15/15 11:58 am

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: 774505537887
Status: Delivered; 09/15/2015 11:58 AM
Signed for By: S SOULES
Signed for by: S.SOULES
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 1:02 PM CDT on 09/15/2015.

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



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Range	X	Y	Depth Well	Depth Water	Water Column
RA 10175			LE	2	1	28	17S	32E		614814	3631005*	158		
RA 12020 POD1			LE	2	2	1	28	17S	32E	614828	3630954	120	81	39
RA 12042 POD1			LE	2	2	1	28	17S	32E	614891	3631181	400		

Average Depth to Water: **81 feet**

Minimum Depth: **81 feet**

Maximum Depth: **81 feet**

Record Count: 3

PLSS Search:

Section(s): 27-29, 32-34

Township: 17S

Range: 32E

*UTM location was derived from PLSS - see Help

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, or suitability for any particular purpose of the data.



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