

2/11/2015 DATE IN	SUSPENSE	ENGINEER	2/11/2015 LOGGED IN	SWD TYPE	PMAM1504257505 APP NO.
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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

[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.

Deana Weaver

Print or Type Name

Deana Weaver
Signature

Production Clerk

Title

2.6.15

Date

dweaver@mec.com
e-mail Address

SWD 1614
-MACK Energy Corp
13837
well
-SPOON SWD#1
30-015-42824
RECEIVED COD
MAY 11 2015
Pool Bell Canyon
SWD Cherry Canyon
96802

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance X _____ Disposal _____ Storage
Application qualifies for administrative approval? X _____ Yes _____ No
- II. OPERATOR: Mack Energy Corporation
ADDRESS: P.O. Box 960 Artesia, NM 88211-0960
CONTACT PARTY: Deana Weaver PHONE: (575)748-1288
- 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 freshwater from two or more freshwater 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: Deana Weaver

TITLE: Production Clerk

SIGNATURE: Deana Weaver

DATE: 2.5.15

* 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

INJECTION WELL DATA SHEET

OPERATOR: **Mack Energy Corporation**WELL NAME & NUMBER: **Spoon SWD #1**WELL LOCATION: **1980 FSL & 660 FEL****I****32****22S****27E**

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC**WELL CONSTRUCTION DATA**Surface CasingHole Size: 12 1/4 Casing Size: 8 5/8" J-55Cemented with: 510sx sx. or _____ ftTop of Cement: Surface Method Determined: CirculatedIntermediate Casing

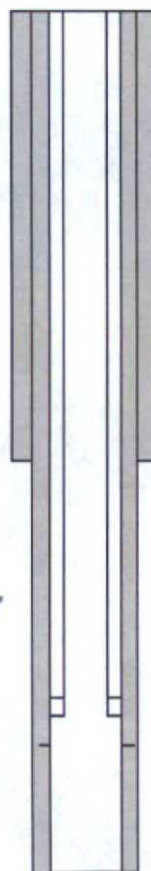
Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. or _____ ft

Top of Cement: _____ Method Determined: _____

Production CasingHole Size: 7 7/8 Casing Size: 5 1/2", L-80Cemented with: 725sx sx. or _____ ftTop of Cement: Surface Method Determined: CirculatedTotal Depth: 4,100'Injection Interval2050 feet to 3930'

(Perforated or Open Hole; indicate which)

8 5/8" csg @ 800'
w/ 510sx, circ2 7/8" PC Tubing @ 2000'
set w/ 10K Nickel Plated Pkr5 1/2" csg @ 4,100'
w/ 725sx, circ

Perfs @ 2050-3930'

TD- 4100'

INJECTION WELL DATA SHEETTubing Size: 2 7/8" Lining Material: Plastic CoatedType of Packer: Halliburton Trump PackerPacker Setting Depth: 2000'

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

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: Bell Canyon and Cherry Canyon

3. Name of Field or Pool (if applicable): _____

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. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Overlying- Lamar Limestone , Underlying- Brushy Canyon

VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected;
Respectively, 2000 BWPD and 4000 BWPD
2. The system is closed or open;
Closed
3. Proposed average and maximum injection pressure;
0-410#
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re-injected produced water;
We will be re-injecting produced water
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;
N/A

VIII. GEOLOGICAL DATA

1. Lithologic Detail; **Sandstone**
2. Geological Name; **SWD; Bell Canyon-Cherry Canyon**
3. Thickness; **1880'**
4. Depth; **2050-3930'**

IX. PROPOSED STIMULATION PROGRAM

1. To be treated with 10000 gallons 15% acid

X. LOGS AND TEST DATA

1. Well data will be filed with the OCD.

XI. ANALYSIS OF FRESHWATER WELLS

1. Will be forwarded, when complete.

Additional Information

Waters Injected: Delaware Sands and Bone Spring


XII. AFFIRMATIVE STATEMENT

RE: Spoon SWD #1

We have examined the available geologic and engineering data and find no evidence of open faults or any other hydraulic connection between the disposal zone and any underground source of drinking water.

Mack Energy Corporation

Date: 2/6/15



Charles Sadler, Geologist

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					
		96802		SWD; Bell Canyon - Cherry Canyon					
⁴ Property Code		⁵ Property Name			⁶ Well Number				
		SPOON SWD			1				
⁷ OGRID No.		⁸ Operator Name			⁹ Elevation				
13837		MACK ENERGY CORPORATION			3152.3				
¹⁰ Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	32	22 S	27 E		1980	SOUTH	660	EAST	EDDY
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.			
40									

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

<p>N89°51'39"E 2645.41 FT</p> <p>NW CORNER SEC. 32 LAT. = 32.3562192°N LONG. = 104.2201666°W NMSP EAST (FT) N = 493342.81 E = 576281.54</p>		<p>N89°51'39"E 2645.41 FT</p> <p>NE CORNER SEC. 32 LAT. = 32.3562379°N LONG. = 104.2030362°W NMSP EAST (FT) N = 493355.65 E = 581571.12</p>	
<p>W/4 CORNER SEC. 32 LAT. = 32.3487422°N LONG. = 104.2205576°W NMSP EAST (FT) N = 490622.65 E = 576163.66</p>		<p>E/4 CORNER SEC. 32 LAT. = 32.3487550°N LONG. = 104.2033602°W NMSP EAST (FT) N = 490633.33 E = 581474.39</p>	
<p>SW CORNER SEC. 32 LAT. = 32.3412660°N LONG. = 104.2209229°W NMSP EAST (FT) N = 487902.78 E = 576053.72</p>		<p>SE CORNER SEC. 32 LAT. = 32.3413504°N LONG. = 104.2036931°W NMSP EAST (FT) N = 487939.47 E = 581374.86</p>	
<p>S/4 CORNER SEC. 32 LAT. = 32.3412700°N LONG. = 104.2123035°W NMSP EAST (FT) N = 487907.11 E = 578715.57</p>		<p>SPOON SWD 1 ELEV. = 3152.3' LAT. = 32.3467747°N (NAD83) LONG. = 104.2055876°W NMSP EAST (FT) N = 489912.09 E = 580787.39</p>	
<p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.</p>			
<p>SURFACE LOCATION</p>			
<p>589°54'24"W 2662.58 FT</p>		<p>589°18'10"W 2660.00 FT</p>	
<p>502°06'38"W 2722.73 FT</p>		<p>502°06'38"W 2686.33 FT</p>	
<p>502°06'38"W 2723.35 FT</p>		<p>502°06'38"W 2724.67 FT</p>	

17 OPERATOR CERTIFICATION
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.

Deana Weaver 26.15
Signature Date

Deana Weaver
Printed Name

dweaver@mec.com
E-mail Address

18 SURVEYOR CERTIFICATION
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.

NOVEMBER 18, 2014
Date of Survey

[Signature]
Signature and Seal of Professional Surveyor

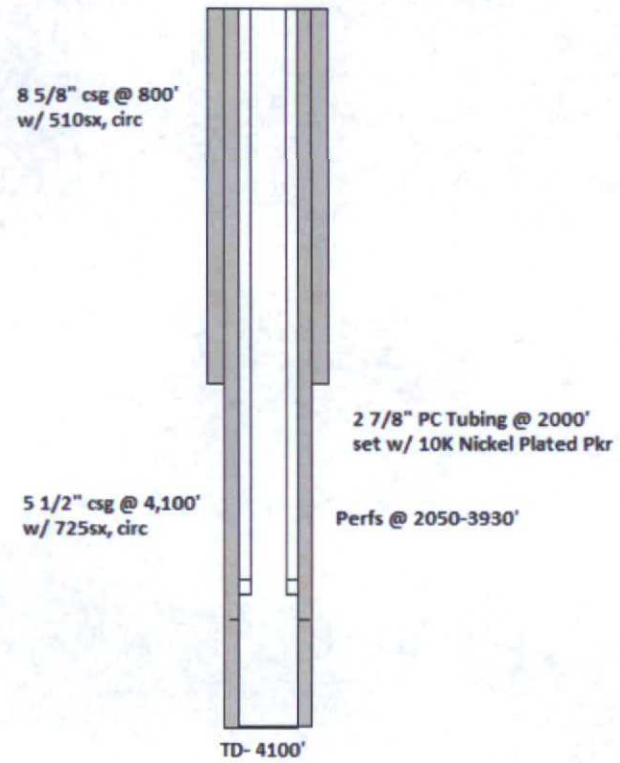
Certificate Number: FILMONT, JARAMILLO, PLS 12797
SURVEY NO. 3518

AREA OF REVIEW WELL DATA

LEASE/API	WELL#	LOCATION	TD (PBTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE & WEIGHT	SETTING DEPTH	SX CMT	TOC	PERFS
Spoon SWD	1	1650' FSL 1980' FEL 32-22S-27E	4100'	SWD	12 1/4" 7 7/8"	8 5/8", 32# 5 1/2", 17#	800' 4,100'	510 725	0 0	2050-3930'
Allen Com 30-015-32795	2	1650' FNL 990' FEL 31-22S-27E	11,891' 11,830'	Gas 5/29/2003	17 1/2" 12 1/4" 7 7/8"	13 3/8", 61# 9 5/8", 36 & 40# 5 1/2", 17 & 20#	359' 5320' 11,891'	510 1450 425	0 0 0	10,583-10591' 11,747-11757'
Allen 30-015-20288	1	1980' FSL 1980' FEL 31-22S-27E	11,825' 11614'	Gas 3/4/1970	17" 11" 7 7/8"	12 3/4", 51# 8 5/8", 24 & 32# 5 1/2" 17, 20 & 23#	362' 2600' 11825'	400 850 1245	0 0 0	10,238-10,311' 10,333-10,375'
Otis 33 30-015-24810	2	990' FNL 2130' FEL 33-22S-27E	12,070' 10,100'	Gas 3/29/1984	17 1/2" 12 1/4" 7 7/8"	13 3/8", 54.5# 9 5/8", 40# 5 1/2", 17 & 20#	443' 5480' 12052'	475 1900 2400	0 0 6000'	9008-9997' Plug 11664-11951'
Otis 33 30-015-33943	3	660' FNL 1650' FEL 33-22S-27E	12,115' 0	Dry 2/24/2005 P&A 6/13/2008	17 1/2" 12 1/4"	13 3/8", 68# 9 5/8", 36#	357' 5490'	500 1315	0 0	Plugged 5179-5164' 5272-5270
Etter Com 30-015-21096	1	1980' FSL 1980' FWL 33-22S-27E	12,200' 11,650'	Gas 10-31-1989 (re-entry)	17 1/2" 12 1/2"	13 3/8", 48# 9 5/8", 40# 7, Liner	378' 5550' 5381-12198'	400 2950 1600	0 0 5381'	10486-10502' 10538-10558'
Old Cavern Fee 30-015-42355	1	1650' FSL 2160' FWL 32-22S-27E	9,160' 9,113'	Oil 6/26/2014	17 1/2" 12 1/4" 8 3/4"	13 3/8", 48# 9 5/8, 36# 7, 26#	418' 1756' 9160'	470 600 1190	0 0 0	

[illegible]

Spoon SWD #1
1980 FSL 660 FEL
Sec. 32 T22S R27E



Cascade Fee #1
Sec. 32 T22S R27E
1650' FSL 1650' FEL
30-015-42320

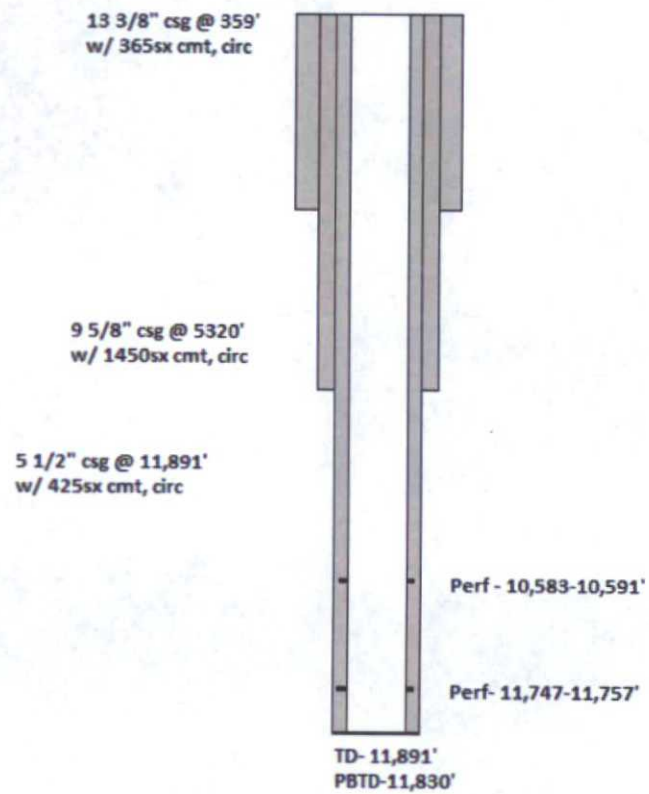
13 3/8" csg @ 420'
w/ 430sx, circ

9 5/8" csg @ 1755'
w/ 675sx, circ

7" csg @ 9620'
w/ 1420sx, circ

TD- 9620'
PBTD- 9573'

Allen Com #2
Sec. 31 T22S R27E
1650' FNL 990' FEL
30-015-32795



Allen #1
Sec. 31 T22S R27E
1980' FSL 1980' FEL
30-015-20288

12 3/4" csg @ 362'
w/ 400sx, circ

8 5/8" csg @ 2600'
w/ 850sx. circ

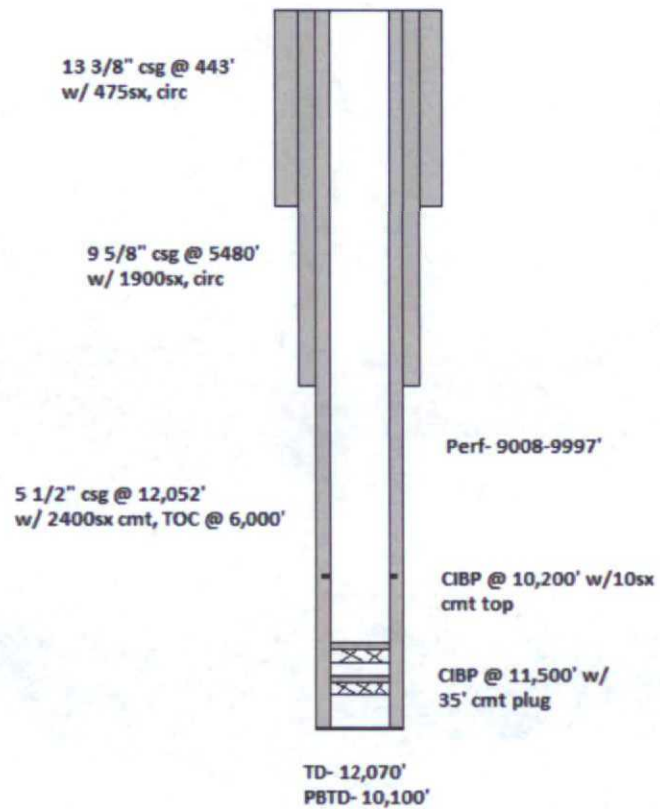
5 1/2" csg @ 11,825'
w/ 1245sx cmt, circ

Perf- 10,238-10311'

Perf- 10,333-10,375'

TD- 11,825'
PBD- 11,614'

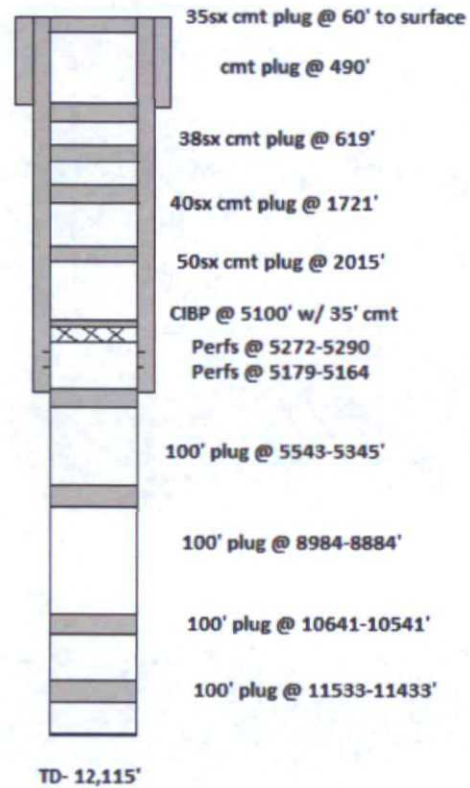
Otis 33 #2
Sec. 33 T22S R27E
990 FNL 2130 FWL
30-015-24810



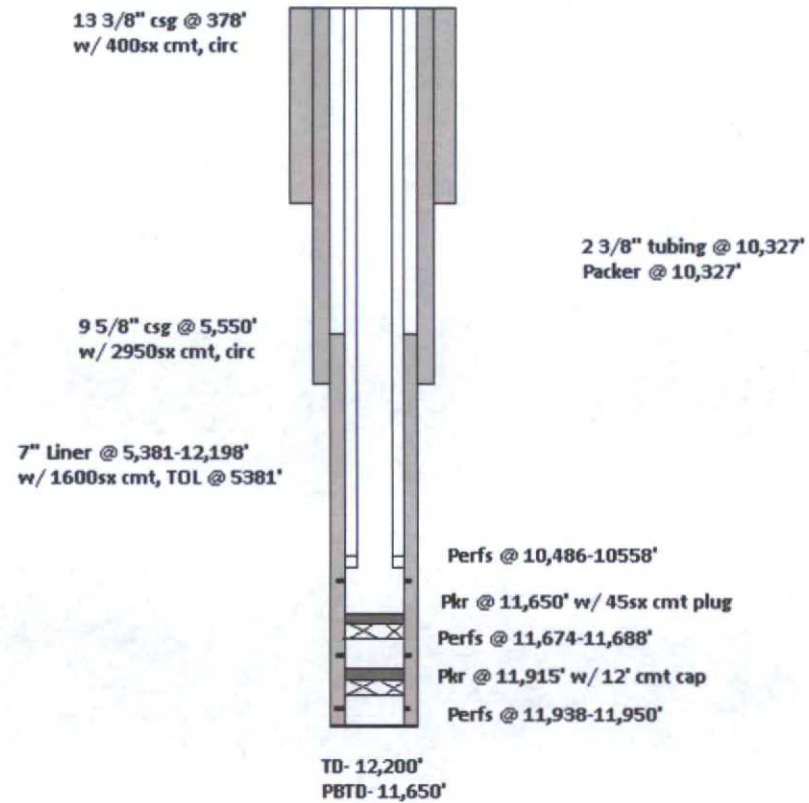
Otis "33" #3
Sec. 33 T22S R27E
660 FNL 1650 FEL
30-015-33943

13 3/8" csg @ 357'
w/500sx, circ

9 5/8" csg @ 5490'
w/ 538sx, circ



Etter Com #1
Sec. 33 T22S R27E
1980 FSL 1980 FWL
30-015-21096



Old Cavern Fee #1
Sec. 32 T22S R27E
1650 FSL 2160 FWL
30-015-42355

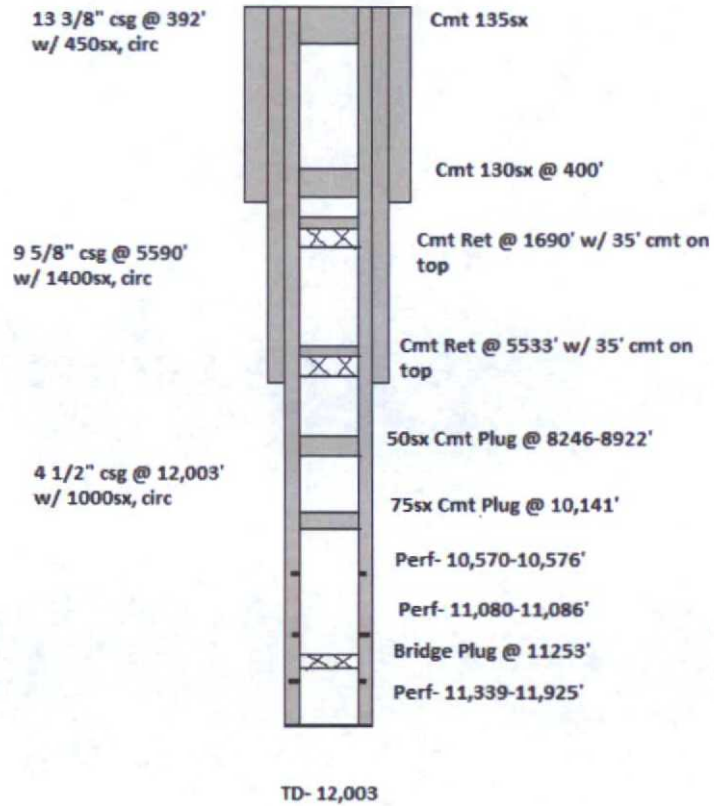
13 3/8" csg @ 418'
w/ 470sx, circ

9 5/8" csg @ 1756'
w/ 600sx, circ

5 1/2" csg @ 418'
w/ 470sx, circ

TD- 9160'
PBTD- 9113'

Mary K. Knobel #1
Sec. 32 T22N R27E
1980 FSL 1980 FEL
30-015-21551

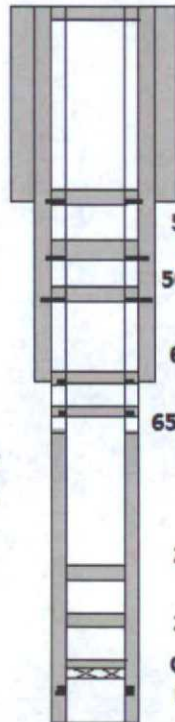


Strackbein "A" #1
Sec. 32 T22S R27E
1980 FNL 660FWL
30-015-20336

13 3/8" csg @ 352'
w/ 380sx cmt, circ

9 5/8" csg @ 5293'
w/ 1800sx cmt, circ

5 1/2" csg @ 11,840'
w/ 1032sx cmt, TOC
7440'



10sx cmt plug
0-75'

50sx cmt plug 302-402'
Perfs sqz- 402'

50sx cmt plug 1578-1678'
Perfs sqz- 1678
50sx cmt plug 2200-2300'
Perfs sqz-2300

60sx cmt plug 5243-5343'
Perfs sqz- 5343'
65sx cmt plug 6900-7000'
Perfs sqz- 7000'

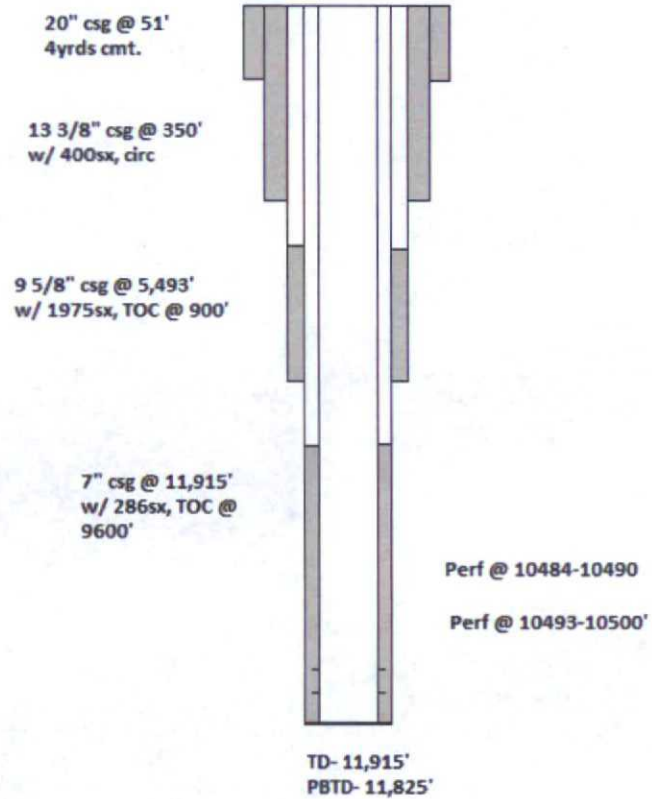
25sx cmt plug 9962-10062'

25sx cmt plug 10630-10730'

CIBP @ 11350' w/5sx cmt plug
Perf- 11,400-11,763'

TD- 11,841'
PBTD- 11,795'

Ryan #1
Sec. 5 T23S R27E
660 FNL 990 FWL
30-015-20738

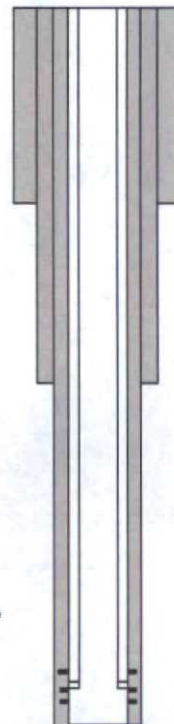


Ryan #2
Sec. 5 T23S R27E
990 FNL 990 FEL
30-015-32582

13 3/8" csg @ 352'
w/ 400sx cmt, circ

9 5/8" csg @ 5478'
w/ 1050sx cmt, circ

5 1/2" csg @ 12,100'
w/ 800sx cmt, circ

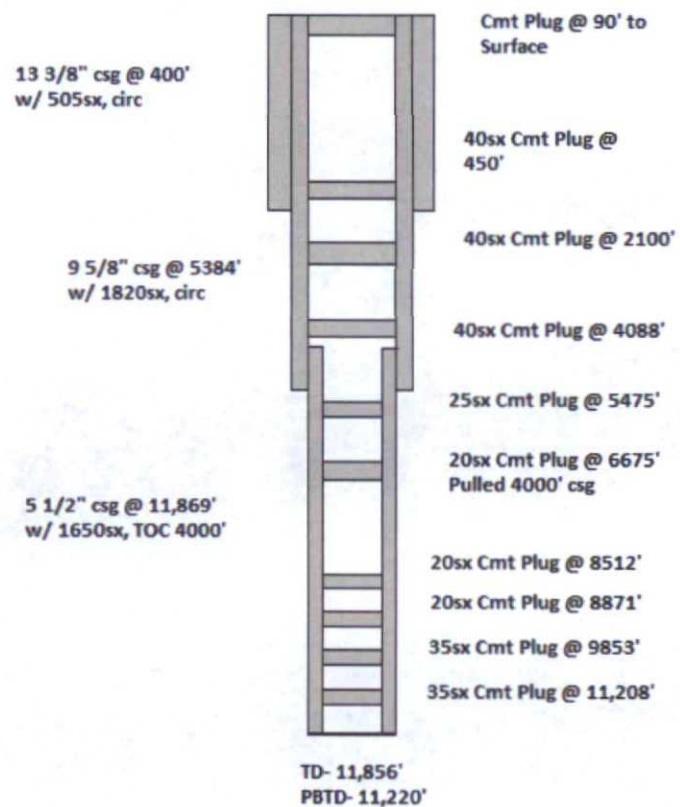


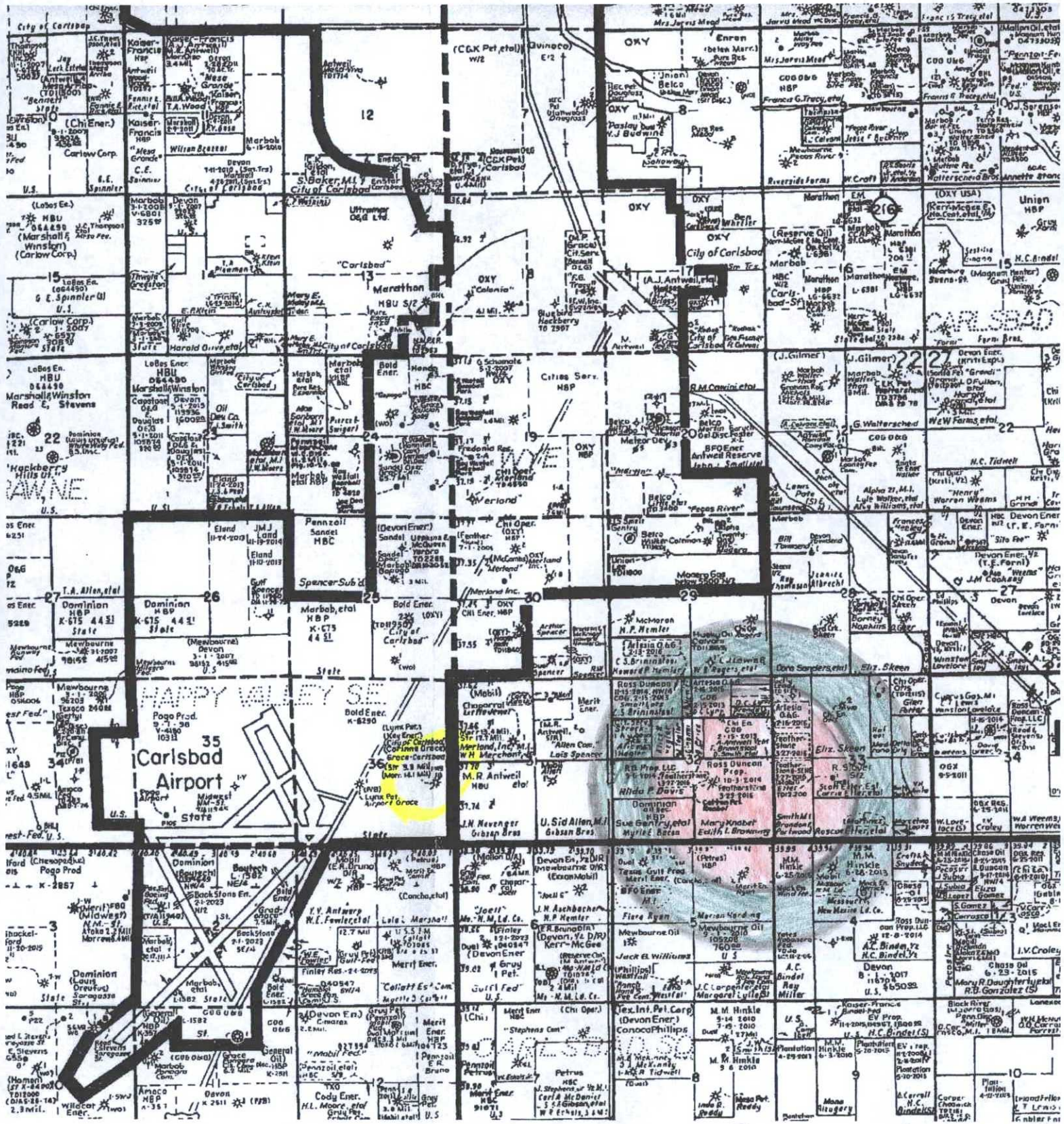
2 3/8" tubing @ 11,853'
Packer @ 11,853'

Perfs @ 11824-11828'
Perfs @ 11852-11855'
Perfs @ 11933-11941'

TD- 12,100'
PBD- 12,024'

Calvani #1
Sec. 29 T22S R27E
500 FSL 1980 FEL
30-015-23806





Spoon SWD #1

Legal Notice

Mack Energy Corporation, Post Office Box 960, Artesia, NM 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced water into the Spoon SWD #1 1980 FSL & 660 FEL of Section 32, T22S R27E, NMMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon and Cherry Canyon formations at a disposal depth of 2050-3930'. Water will be injected at a maximum surface pressure of 410# pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Deana Weaver at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or call (575) 748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.

LEGAL NOTICE

Mack Energy Corporation, Post Office Box 960, Artesia, NM 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced water into the Spoon SWD #1 1980 FSL & 660 FEL of Section 32, T22S R27E, NMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon and Cherry Canyon formations at a disposal depth of 2050-3930'. Water will be injected at a maximum surface pressure of 410# pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Deana Weaver at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or call (575) 748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.

Published in the Artesia Daily Press, Artesia, N.M., February 8, 2015 Legal No. 23338.



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	6416 4	Sec	Tws	Rng	X	Y	Distance			
<u>C 03504</u>	C	DOM		1 JULIE F. PORTER	ED	<u>C 03504 POD1</u>			Shallow	2	3	4	32 22S 27E	574508	3578789	139			
<u>C 03070</u>	C	DOM		0 JERRY BURKETT	ED	<u>C 03070</u>				1	4	4	32 22S 27E	574635	3578830*	140			
<u>C 02970</u>	C	DOL		3 RICK CALDERON	ED	<u>C 02970</u>			Shallow	3	4	4	32 22S 27E	574635	3578630*	313			
<u>C 02841</u>	C	DOM		0 SUZANNE C BYRD	ED	<u>C 02841</u>				1	1	4	32 22S 27E	574230	3579231*	429			
<u>C 02696</u>	C	DOM		3 WALKER STEWART	ED	<u>C 02696</u>			Shallow	1	3	3	33 22S 27E	575038	3578836*	512			
<u>C 00193</u>		IRR	3.048	COUNTRY ACRES, INC.	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMB</u>		IRR	39.258	COUNTRY ACRES INC.	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBC</u>		IRR		3 ORLANDO & OLIVIA G. FLOREZ	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBD</u>		IRR		3 COUNTRY ACRES, INC.	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBE</u>		IRR		3 PHILLIP L. & CELESTE K. STONE	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBF</u>		IRR		3 CHARLES T. & CHARLENE M. MOOTS	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBG</u>		IRR		3 ROY & RITA BROOKS	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBH</u>		IRR	47.37	ROBERT & BETTY RUSSELL	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBI</u>		IRR	46.92	CHARLES E. & NANCY ELLEN VAN ZANT REVOCABLE TRUST UTA	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBJ</u>		IRR	40.5	PATRICK L. & FAYE WILSON	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMBK</u>		IRR	7.356	MICHAEL LYNN ROGERS	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			
<u>C 00193 COMDK</u>		IRR	7.356	MICHAEL LYNN & ANNA COLLE ROGERS	ED	<u>C 00343</u>			Shallow	4	3	2	32 22S 27E	574427	3579437*	521			

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(R=POD has been replaced
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C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)























(acre ft per annum)				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	6416 4	q q q	Sec	Tws	Rng	X	Y	Distance	
<u>C 00343</u>		IRR		0 CLAUDE L. SMITH	ED	<u>C 00343</u>			Shallow	4	3	2	32	22S	27E	574427	3579437* 	521
<u>C 03066</u>	C	DOM		3 CLIFTON E BARKER	ED	<u>C 03066</u>				1	1	3	33	22S	27E	575037	3579243* 	594
<u>C 00204</u>	C	IRR		4.2 MARY F PRICE	ED	<u>C 00204</u>			Shallow	3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 00204 A</u>		IRR		28.8 DAVID B CULP	ED	<u>C 00204</u>			Shallow	3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 00619</u>	C			0 MYER ROSENBERG	ED	<u>C 00619</u>				3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 00625</u>		IRR		60 DOUGLAS C. LYNN	ED	<u>C 00625</u>				3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 02383</u>	C	DOM		0 MICHAEL D GRAHAM	ED	<u>C 02383</u>				3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 03021</u>	C	DOL		3 JAMES R WOOD	ED	<u>C 00204</u>			Shallow	3	3	2	32	22S	27E	574227	3579437* 	595
<u>C 00193</u>		IRR		3.048 COUNTRY ACRES, INC.	ED	<u>C 00193 & C-343-S</u>				3	2	32	22S	27E	574328	3579538* 	644	
<u>C 00193 COMBH</u>		IRR		47.37 ROBERT & BETTY RUSSELL	ED	<u>C 00193 COMBS</u>				3	2	32	22S	27E	574328	3579538* 	644	
<u>C 00193 COMBI</u>		IRR		46.92 CHARLES E. & NANCY ELLEN VAN ZANT REVOCABLE TRUST UTA	ED	<u>C 00193 COMBS</u>				3	2	32	22S	27E	574328	3579538* 	644	
<u>C 00193 COMBJ</u>		IRR		40.5 PATRICK L. & FAYE WILSON	ED	<u>C 00193 COMBS</u>				3	2	32	22S	27E	574328	3579538* 	644	
<u>C 02262</u>	C	DOM		3 TOMMY ALFORD	ED	<u>C 02262</u>			Shallow	4	2	32	22S	27E	574732	3579544* 	647	
<u>C 02412</u>	C	DOM		3 GARY L SEAL	ED	<u>C 02412</u>			Shallow	2	3	3	33	22S	27E	575238	3578836* 	709
<u>C 03013</u>	C	DOL		3 JUDY K NORMAN	ED	<u>C 03013</u>			Shallow	4	1	3	33	22S	27E	575237	3579043* 	712
<u>C 00193 COMBH</u>		IRR		47.37 ROBERT & BETTY RUSSELL	ED	<u>C 00193 COMBS2</u>				2	3	2	32	22S	27E	574427	3579637* 	718
<u>C 00193 COMBI</u>		IRR		46.92 CHARLES E. & NANCY ELLEN VAN ZANT REVOCABLE TRUST UTA	ED	<u>C 00193 COMBS2</u>				2	3	2	32	22S	27E	574427	3579637* 	718
<u>C 00193 COMBJ</u>		IRR		40.5 PATRICK L. & FAYE WILSON	ED	<u>C 00193 COMBS2</u>				2	3	2	32	22S	27E	574427	3579637* 	718
<u>C 03012</u>	C	DOL		0 DON MCKIDDEN	ED	<u>C 03012</u>				3	3	1	33	22S	27E	575035	3579449* 	723
<u>C 02433</u>	C	DOL		3 GARY L SEAL	ED	<u>C 02433</u>			Shallow	4	3	3	33	22S	27E	575238	3578636* 	761
<u>C 01976</u>	C	DOM		3 EFREN B COLLINS	ED	<u>C 01976</u>				3	1	2	05	23S	27E	574236	3578224* 	763

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(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	q q q					Source	6416 4	Sec	Tws	Rng	X	Y	Distance
<u>C 03093</u>	C	DOM		0 MITCHELL D WILLIAMS	ED	<u>C 03093</u>					3	1	2	05	23S	27E		574236	3578224*		763
<u>C 01749</u>	C	DOL		3 ANDY GRAHAN	ED	<u>C 01749</u>			Shallow		3	32	22S	27E				573728	3578915*		806
<u>C 01833</u>	C	DOL		3 FLOYD WILLIAM DIEL	ED	<u>C 01833</u>			Shallow		3	32	22S	27E				573728	3578915*		806
<u>C 00193</u>		IRR	3.048	COUNTRY ACRES, INC.	ED	<u>C 00193 COMB-S-2</u>					2	32	22S	27E				574529	3579739*		812
<u>C 03074</u>	C	DOL		3 GEORGE BARTA	ED	<u>C 03074</u>			Shallow	4	3	1	33	22S	27E			575235	3579449*		874
<u>C 00193</u>		IRR	3.048	COUNTRY ACRES, INC.	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
					ED	<u>C 00193 S</u>				1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 A</u>		IRR		18 H.G. PEVELER	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 B</u>		IRR		0 ROY THOMASON	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMB</u>		IRR	39.258	COUNTRY ACRES INC.	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBB</u>		IRR		15 OTIS WATER USERS COOPERATIVE	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBC</u>		IRR		3 ORLANDO & OLIVIA G. FLOREZ	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBD</u>		IRR		3 COUNTRY ACRES, INC.	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBE</u>		IRR		3 PHILLIP L. & CELESTE K. STONE	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBF</u>		IRR		3 CHARLES T. & CHARLENE M. MOOTS	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBG</u>		IRR		3 ROY & RITA BROOKS	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBH</u>		IRR	47.37	ROBERT & BETTY RUSSELL	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBI</u>		IRR	46.92	CHARLES E. & NANCY ELLEN VAN ZANT REVOCABLE TRUST UTA	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBJ</u>		IRR	40.5	PATRICK L. & FAYE WILSON	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMBK</u>		IRR	7.356	MICHAEL LYNN ROGERS	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878
<u>C 00193 COMDK</u>		IRR	7.356	MICHAEL LYNN & ANNA COLLE ROGERS	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E			575035	3579649*		878

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(acre ft per annum)				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	6416 4	Sec	Tws	Rng	X	Y	Distance	
<u>C 00343 AA</u>		MDW	36.21	OTIS WATER USER'S CO- OPERATIVE	ED	<u>C 00193</u>			Shallow	1	3	1	33	22S	27E	575035 3579649* 	878
<u>C 00430</u>		IRR	23.4	F & W FARMS	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 A</u>		IRR	1.5	PAT D. CHUMLEY	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 B</u>		IRR	1.5	ROY A & ANITA BETH TORRES	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 C</u>		IRR	1.5	MITCHELL L & DONNA L CARTER	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 D</u>		IRR	1.5	PETRICK M & DONANN B HEDDERMAN	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 E</u>		IRR	1.5	RAY & ANGELITA PARRAZ	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 F</u>		IRR	1.5	ROBERT M &ROSIE C GOMEZ	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 G</u>		IRR	1.5	RUBIN S ESQUIBEL	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 H</u>		IRR	1.5	LOUIS G & SHELLY M ESCOBEDO	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 H-A</u>		IRR	1.5	WAYNE T & JOHNIE BRADFORD	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 I</u>		IRR	1.5	JIMMY P & KAREN P GENTRY	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 J</u>		IRR	0.75	PAUL D & KIMBERLY ORR	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 K</u>		IRR	1.5	DONALD R & BETTY K SUGGS	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 L</u>		IRR	1.5	FRANK A & MARY E HAYS	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 M</u>		IRR	18	BOBBY W & ANGELA PORTER	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 N</u>		IRR	1.5	RALPH & ANITA CASTANEDA	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 O</u>		IRR	1.5	ERNEST VALDEZ	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 00430 P</u>		IRR	4.5	ROGELIO V. OR PATSY G. YBARRA	ED	<u>C 00430 S</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 02882</u>	C	DOL	0	JOE MORGAN	ED	<u>C 02882</u>				3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 03030</u>	C	DOM	3	RUBEN FLORES	ED	<u>C 03030</u>			Shallow	3	1	2	32	22S	27E	574225 3579843* 	966
<u>C 02124</u>	C	DOM	3	JOHNNY JAMESON	ED	<u>C 02124</u>			Shallow	3	3	3	32	22S	27E	573527 3578714* 	1029

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WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	6416 4	Sec	Tws	Rng	X	Y	Distance
<u>C 02502</u>	C	DOL		3 AL CASTANEDA	ED	<u>C 02502</u>			Shallow	2	2	32	22S 27E	574731	3579950*	1041
<u>C 03098</u>	C	DOL		0 KENNETH D MCCOLLAUM	ED	<u>C 03098</u>				3	4	2	05 23S 27E	574642	3577826*	1106
<u>C 00031</u>		IRR		7.5 CASH CLARKSTON	ED	<u>C 00031</u>			Shallow	3	1	3	32 22S 27E	573423	3579019*	1114
<u>C 00031 A</u>		IRR		0 H. E. LOVETT	ED	<u>C 00031</u>			Shallow	3	1	3	32 22S 27E	573423	3579019*	1114
<u>C 00031 B</u>		IRR		0 ROY THOMASON	ED	<u>C 00031</u>			Shallow	3	1	3	32 22S 27E	573423	3579019*	1114
<u>C 00031 E</u>		IRR		30 OTIS WATER USERS COOP.	ED	<u>C 00031</u>			Shallow	3	1	3	32 22S 27E	573423	3579019*	1114
<u>C 02590</u>	C	DOM		3 THOMAS G JOHNSON	ED	<u>C 02590</u>			Shallow	2	1	2	32 22S 27E	574425	3580043*	1121
					ED	<u>C 02590</u> POD2			Shallow	2	1	2	32 22S 27E	574425	3580043*	1121
<u>C 01670</u>	C	DOM		3 CHARLES AUGUSTUS	ED	<u>C 01670</u>				4	4	2	05 23S 27E	574842	3577826*	1143
<u>C 03274</u>	C	DOM		3 FRANISCO FRENANDEZ	ED	<u>C 03274</u>			Shallow	4	4	3	33 22S 27E	575643	3578641*	1145
<u>C 03179</u>	C	DOL		0 ROBERT A DAVIS	ED	<u>C 03179</u>				1	1	3	32 22S 27E	573423	3579219*	1148
<u>C 00430</u>		IRR		23.4 F & W FARMS	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 A</u>		IRR		1.5 PAT D. CHUMLEY	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 B</u>		IRR		1.5 ROY A & ANITA BETH TORRES	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 C</u>		IRR		1.5 MITCHELL L & DONNA L CARTER	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 D</u>		IRR		1.5 PETRICK M & DONANN B HEDDERMAN	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 E</u>		IRR		1.5 RAY & ANGELITA PARRAZ	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 F</u>		IRR		1.5 ROBERT M & ROSIE C GOMEZ	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 G</u>		IRR		1.5 RUBIN S ESQUIBEL	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 H</u>		IRR		1.5 LOUIS G & SHELLY M ESCOBEDO	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 H-A</u>		IRR		1.5 WAYNE T & JOHNIE BRADFORD	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157
<u>C 00430 I</u>		IRR		1.5 JIMMY P & KAREN P GENTRY	ED	<u>C 00430</u>			Shallow	1	1	2	32 22S 27E	574225	3580043*	1157

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		(acre ft per annum)				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	6416	4	Sec	Tws	Rng	X	Y	Distance		
<u>C 00430 J</u>			IRR	0.75	PAUL D & KIMBERLY ORR	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 K</u>			IRR	1.5	DONALD R & BETTY K SUGGS	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 L</u>			IRR	1.5	FRANK A & MARY E HAYS	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 M</u>			IRR	18	BOBBY W & ANGELA PORTER	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 N</u>			IRR	1.5	RALPH & ANITA CASTANEDA	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 O</u>			IRR	1.5	ERNEST VALDEZ	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 00430 P</u>			IRR	4.5	ROGELIO V. OR PATSY G. YBARRA	ED	<u>C 00430</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 03028</u>	C	DOL		3	SHERLENE KIRKEO	ED	<u>C 03028</u>			Shallow	1	1	2	32	22S	27E	574225	3580043*		1157
<u>C 03085</u>	C	DOM		3	BARRY BROWN	ED	<u>C 03085</u>			Shallow	2	2	2	32	22S	27E	574830	3580049*		1160
<u>C 00191</u>			IRR	315	MARTHA W. SKEEN	ED	<u>C 00191 S</u>				4	4	1	33	22S	27E	575640	3579454*		1225
<u>C 02207</u>	C	DOL		0	BOB A. KENISON	ED	<u>C 02207</u>				1	1	1	33	22S	27E	575034	3580055*		1233
<u>C 02996</u>	C	DOL		3	ROBERT KIM GRAHAM	ED	<u>C 02996</u>			Shallow	1	1	1	33	22S	27E	575034	3580055*		1233
<u>C 03435</u>	C	DOM		1	MOISES T. ROMERO	ED	<u>C 03435 POD1</u>				2	1	1	33	22S	27E	575184	3579989		1246
<u>C 02230</u>	C	DOM		3	LYDIA YOUNG	ED	<u>C 02230</u>			Shallow				33	22S	27E	575742	3579340*		1276
<u>C 02233</u>	C	DOM		0	OSCAR E. EMISON	ED	<u>C 02233</u>							33	22S	27E	575742	3579340*		1276
<u>C 02449</u>	C	DOM		3	RALPH MAXWELL	ED	<u>C 02449</u>			Shallow				33	22S	27E	575742	3579340*		1276
<u>C 02909</u>	C	DOL		3	DANNY C STAFFORD	ED	<u>C 02909</u>				2	4	4	31	22S	27E	573222	3578811*		1317
<u>C 02854</u>	C	DOL		0	PAUL KARTCHNER	ED	<u>C 02854</u>				4	2	4	31	22S	27E	573219	3579016*		1318
<u>C 00559</u>	C	STK		0	L. T. LEWIS	ED	<u>C 00559</u>				3	4	4	29	22S	27E	574628	3580255*		1331
<u>C 03190</u>	C	DOL		3	RUDY LOPEZ	ED	<u>C 03190</u>				2	2	4	05	23S	27E	574846	3577624*		1339
<u>C 00176</u>			IRR	0	BRATCHER ROY	ED	<u>C 00176</u>				1	1	4	05	23S	27E	574244	3577618*		1340
<u>C 03279</u>	C	DOL		0	CHARLES HOLLAND	ED	<u>C 03279</u>				2	2	4	31	22S	27E	573219	3579216*		1346

*UTM location was derived from PLSS - see Help

(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)

(acre ft per annum)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q	q	q	Sec	Tws	Rng	X	Y	Distance
<u>C 00172</u>		IRR	684.7	JERRY AND NANCY CALVANI REVOCABLE TRUST	ED	<u>C 00172 S</u>				4	4	4	29	22S	27E	574828	3580255*	 1360
<u>C 03195</u>	C	DOM	3	MARTIN BOJORQUEZ	ED	<u>C 00173</u>				4	4	4	29	22S	27E	574828	3580255*	 1360
<u>C 02978</u>	C	DOM	0	JOHN ELLYSON	ED	<u>C 02978</u>				2	1	1	33	22S	27E	575325	3580036	 — 1362
<u>C 00191</u>		IRR	315	MARTHA W. SKEEN	ED	<u>C 00191</u>		Shallow		3	3	2	33	22S	27E	575844	3579458*	 1413
<u>C 00296</u>	C	DOM	0	ANGEL LOPEZ	ED	<u>C 00296</u>				1	4	05	23S	27E	574345	3577519*	 1420	
<u>C 02533</u>	C	DOM	0	TOM MOOTS	ED	<u>C 02533</u>				1	4	33	22S	27E	575947	3579153*	 1430	
<u>C 00062 A</u>		IRR	649.32	J&J FARMS	ED	<u>C 00062 A-S</u>		Shallow		3	1	1	32	22S	27E	573417	3579830*	 1436
<u>C 03078</u>	C	DOL	3	HOWARD RIPLEY	ED	<u>C 03078</u>		Shallow		1	2	4	31	22S	27E	573019	3579216*	 1542
<u>C 02667</u>	C	DOM	3	ERNESTO RIOS	ED	<u>C 02667</u>		Shallow		1	3	4	29	22S	27E	574223	3580448*	 1552
<u>C 01671</u>	C	DOL	3	PASCUAL M. LOPEZ	ED	<u>C 01671</u>				3	3	1	05	23S	27E	573434	3577811*	 1566
<u>C 00215</u>		IRR	95.1	RAFAEL MEDRANO	ED	<u>C 00215</u>		Shallow		4	3	2	33	22S	27E	576044	3579458*	 1600

Record Count: 136

POD Search:

POD Basin: Carlsbad

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):-

Easting (X): 574534

Northing (Y): 3578927

Radius: 1609

Sorted by: Distance

*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.



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0701
RETURN RECEIPT REQUESTED

Artesia Oil & Gas LLC
P.O. Box 1768
Artesia, NM 88211

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to drill this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa Fe, NM 87505 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0718
RETURN RECEIPT REQUESTED

Ray Fletcher
Shirley Fletcher
c/o Tracy Fletcher
1108 Acoma Place
Farmington, NM 87401

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0725
RETURN RECEIPT REQUESTED

Nelta Sue Brown
P.O. Box 5188
Page, AZ 86040

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0732
RETURN RECEIPT REQUESTED

Carroll Resources Corporation
P.O. Box 8438
Northfield, IL 60093

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0749
RETURN RECEIPT REQUESTED

Mary Francis Price
812 Hopi Road
Carlsbad, NM 88220

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0756
RETURN RECEIPT REQUESTED

Linda A. Bell
P.O. Box 2223
Cody, WY 82414

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0763
RETURN RECEIPT REQUESTED

Mary Gene Bloomquist
14050 East Linvale Place, Apt. #202
Aurora, CO 80014

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Deana Weaver
Production Clerk

DW

Attachments



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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0770
RETURN RECEIPT REQUESTED

Ethel T. Neal
2011 Brazos
Roswell, NM 88201

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0374
RETURN RECEIPT REQUESTED

Marion V. Turner
Route 9, Box 62-T
Santa Fe, NM 87505

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0381
RETURN RECEIPT REQUESTED

Buchholz Oil & Gas Company, Inc.
1201 Elm Street
Suite 4300
Dallas, TX 75270

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0398
RETURN RECEIPT REQUESTED

DHB Partnership
8144 Walnut Hill Lane
Suite 982, LB 51
Dallas, TX 75240

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0404
RETURN RECEIPT REQUESTED

CSA Petroleum Corporation
P.O. Box 318
Hunt, TX 78024

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver

Deana Weaver
Production Clerk

DWM

Attachments



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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0411
RETURN RECEIPT REQUESTED

G. Phillip Huey
6330 E. University
Dallas, TX 75214

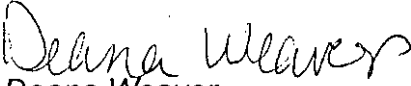
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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

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February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0428
RETURN RECEIPT REQUESTED

Reserve Management, Inc.
P.O. Box 4469
Longview, TX 75606

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0435
RETURN RECEIPT REQUESTED

Alfred E. Rodriquez
7777 Forest Lane
Dallas, TX 75230

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0442
RETURN RECEIPT REQUESTED

Westway Petro Four
500 N. Akard-Lock
Box 70
Dallas, TX 75201

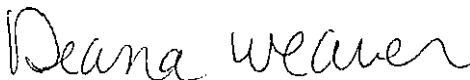
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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0459
RETURN RECEIPT REQUESTED

The John D.L. & Chloe M. Davis
Revocable Living Trust
421 Hazelwood Drive West
Fort Worth, TX 76107

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0602
RETURN RECEIPT REQUESTED

Broughton Petroleum, Inc.
P.O. Box 1389
Sealy, TX 77474

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0619
RETURN RECEIPT REQUESTED

Rich Royal Properties, LLC
9720 Jones Road
Suite 150
Houston, TX 77065


Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0626
RETURN RECEIPT REQUESTED

First Century Oil, Inc.
P.O. Box 1518
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0633
RETURN RECEIPT REQUESTED

Charles H. Hill, III
1529 Windy Meadow
Dallas, TX 75248

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0640
RETURN RECEIPT REQUESTED

The Virginia A. Desmond Trust
c/o First American Bank
P.O. Box 1857
Roswell, NM 88202

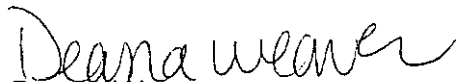
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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0657
RETURN RECEIPT REQUESTED

MPS, Inc.
P.O. Box 52308
Tulsa, OK 74152

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0664
RETURN RECEIPT REQUESTED

Ralph E. Peacock
7925 E. 40th Street
Tulsa, OK 74145

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0671
RETURN RECEIPT REQUESTED

The Sharon Stone Trollinger Trust
6026 Meadowcreek Drive
Dallas, TX 75248


Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DWM

Attachments



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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0671
RETURN RECEIPT REQUESTED

New Mexico Western Minerals, Inc
P.O Box 1738
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



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Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0688
RETURN RECEIPT REQUESTED

Brininstool XL Ranch LLC
Attn: Christine Brininstool
P.O. Box 940
Jal, NM 88252

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0695
RETURN RECEIPT REQUESTED

MRC Permian Company
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0275
RETURN RECEIPT REQUESTED

WDW Operator, Inc.
1521 Olivier Street
Midland, TX 79701

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0282
RETURN RECEIPT REQUESTED

Thomas M. Beall
P.O. Box 3098
Midland, TX 79702

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0299
RETURN RECEIPT REQUESTED

Neil Sisson
P.O. Box 2234
Ardmore, OK 73402


Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DWM

Attachments



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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0305
RETURN RECEIPT REQUESTED

David K. Henderson
P.O. Box 1518
Roswell, NM 88202

Gentlemen:

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Deana Weaver
Production Clerk

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Attachments



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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0312
RETURN RECEIPT REQUESTED

Virginia C. Houston Marital Trust
5535 Park Lane
Dallas, TX 75220

Gentlemen:

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Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0329
RETURN RECEIPT REQUESTED

R.R. & Bobbie McDearmon
2533 20th Avenue North
Texas City, TX 77590

Gentlemen:

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Sincerely,

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Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0336
RETURN RECEIPT REQUESTED

Jack C. Holland
216 Goddard Blvd.
Suite 10
King of Prussia, PA 19406

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0343
RETURN RECEIPT REQUESTED

Donald E. Richter
9 Willow Wood
Dallas, TX 75205

Gentlemen:

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Sincerely,

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Deana Weaver
Production Clerk

DWM

Attachments



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Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0350
RETURN RECEIPT REQUESTED

CBR Oil Properties, LLC
P.O. Box 1518
Roswell, NM 88202

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

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Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0367
RETURN RECEIPT REQUESTED

Lincoln Oil & Gas, LLC
701 Three Cross Drive
Roswell, NM 88201

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0176
RETURN RECEIPT REQUESTED

Linn Operating, Inc.
600 Travis Ste. 1500
Houston, TX 77002

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0183
RETURN RECEIPT REQUESTED

Read & Stevens, Inc.
P.O. Box 1518
Roswell, NM 88202

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0190
RETURN RECEIPT REQUESTED

McCombs Energy, Ltd.
5599 San Felipe
Suite 1200
Houston, TX 77056

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0206
RETURN RECEIPT REQUESTED

Murchison Oil & Gas, Inc.
1100 Mira Vista Blvd.
Plano, TX 75093

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

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P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0213
RETURN RECEIPT REQUESTED

James H. Barnett
P.O. Box 4966
Midland, TX 79704

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver

Deana Weaver
Production Clerk

DWM

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P.O. Box 960
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Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0220
RETURN RECEIPT REQUESTED

McVay Drilling, Inc.
P.O. Box 924
Hobbs, NM 88241

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

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P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0237
RETURN RECEIPT REQUESTED

Khody Land & Minerals Company
210 Park Ave. Ste. 900
Oklahoma City, OK 73102

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
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Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0244
RETURN RECEIPT REQUESTED

Chi Energy, Inc.
P.O. Box 1799
Midland, TX 79702

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to drill this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa Fe, NM 87505 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0251
RETURN RECEIPT REQUESTED

Pocahontas Oil Company, Inc.
P.O. Box 60476
Midland, TX 79711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

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Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

February 6, 2015

VIA CERTIFIED MAIL 7014 1820 0001 6619 0268
RETURN RECEIPT REQUESTED

Brazos, LP
P.O. Box 911
Breckenridge, TX 76424

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Bell Canyon-Cherry Canyon SWD well. Produced water will be injected at a proposed depth of 2050-3930'. The Spoon SWD #1 located 1980 FSL & 660 FEL, Sec. 32 T22S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to drill this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa Fe, NM 87505 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW

Attachments



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															
		Sub-	Q Q Q									Depth	Depth	Water	
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water	Column	
C 00031		CUB	ED	3	1	3	32	22S	27E	573423	3579019		208	170	38
C 00062 A-S		CUB	ED	3	1	1	32	22S	27E	573417	3579830*		200	100	100
C 00191		CUB	ED	3	3	2	33	22S	27E	575844	3579458*		200		
C 00193		CUB	ED	1	3	1	33	22S	27E	575035	3579649*		190		
C 00204		CUB	ED	3	3	2	32	22S	27E	574227	3579437*		170		
C 00204 CLW194896	O		ED	3	3	2	32	22S	27E	574227	3579437*		170		
C 00215		CUB	ED	4	3	2	33	22S	27E	576044	3579458*		180	150	30
C 00228		CUB	ED	1	3	2	31	22S	27E	572613	3579617*		210		
C 00228 S		CUB	ED	2	2	2	31	22S	27E	573213	3580025*		225	145	80
C 00249		C	ED	2	2	2	31	22S	27E	573213	3580025*		200		
C 00343		CUB	ED	4	3	2	32	22S	27E	574427	3579437*		200		
C 00343 CLW242784	O		ED	3	3	2	32	22S	27E	574227	3579437*		193	143	50
C 00515		C	ED	3	4	4	33	22S	27E	576254	3578650*		180	80	100
C 00515 CLW197977	O		ED	3	4	4	33	22S	27E	576254	3578650*		180		
C 00619		C	ED	3	3	2	32	22S	27E	574227	3579437*		250		
C 00644			ED	3	2	4	33	22S	27E	576251	3579056*		190		
C 00644 CLW198574	O		ED	3	2	4	33	22S	27E	576251	3579056*		100		
C 01037		C	ED	2	2	2	31	22S	27E	573213	3580025*		141	109	32
C 01749		C	ED		3	32	22S	27E	573728	3578915*		156	126	30	
C 01833		C	ED		3	32	22S	27E	573728	3578915*		180	155	25	
C 02124		C	ED		3	3	32	22S	27E	573527	3578714*		195	60	135
C 02230		C	ED			33	22S	27E	575742	3579340*		260	90	170	
C 02262		C	ED		4	2	32	22S	27E	574732	3579544*		128	60	68
C 02392		C	ED		4	2	33	22S	27E	576350	3579564*		150	48	102
C 02412		C	ED	2	3	3	33	22S	27E	575238	3578836*		251	65	186
C 02433		C	ED	4	3	3	33	22S	27E	575238	3578636*		96	64	32

*UTM location was derived from PLSS - see Help

(A CLW##### in the
POD suffix indicates the
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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	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02449	C	ED					33	22S	27E	575742	3579340*	300	70	230
C 02502	C	ED		2	2	32	22S	27E	574731	3579950*		98	64	34
C 02590	C	ED		2	1	2	32	22S	27E	574425	3580043*	87	45	42
C 02590 POD2	C	ED		2	1	2	32	22S	27E	574425	3580043*	300	114	186
C 02624	C	ED		3	2	2	31	22S	27E	573013	3579825*	220	75	145
C 02696	C	ED		1	3	3	33	22S	27E	575038	3578836*	124	71	53
C 02970	C	ED		3	4	4	32	22S	27E	574635	3578630*	138	71	67
C 02996	C	ED		1	1	1	33	22S	27E	575034	3580055*	120	62	58
C 03013	C	ED		4	1	3	33	22S	27E	575237	3579043*	118	63	55
C 03028	C	ED		1	1	2	32	22S	27E	574225	3580043*	217	89	128
C 03030	C	ED		3	1	2	32	22S	27E	574225	3579843*	100	53	47
C 03066	C	ED		1	1	3	33	22S	27E	575037	3579243*	240		
C 03074	C	ED		4	3	1	33	22S	27E	575235	3579449*	115	85	30
C 03078	C	ED		1	2	4	31	22S	27E	573019	3579216*	130	60	70
C 03085	C	ED		2	2	2	32	22S	27E	574830	3580049*	155	82	73
C 03161	C	ED		3	1	1	31	22S	27E	571829	3579813*	200		
C 03274	C	ED		4	4	3	33	22S	27E	575643	3578641*	130	81	49
C 03445		ED		3	3	3	31	22S	27E	571774	3578630		200	
C 03504 POD1	C	ED		2	3	4	32	22S	27E	574508	3578789	105	90	15
C 03553 POD1	C	ED		4	2	2	33	22S	27E	576554	3579841	200	75	125
C 03821 POD1	C	ED		2	2	3	32	22S	27E	573988	3579146	200	120	80

Average Depth to Water: 92 feet

Minimum Depth: 45 feet

Maximum Depth: 200 feet

Record Count: 47

PLSS Search:

Section(s): 31-33

Township: 22S

Range: 27E

*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 Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
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(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD														
Sub-		Q Q Q									Depth Depth Water			
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Well	Water	Column
C 00028		CUB	ED	4	1	2	06	23S	27E	572824	3578207*		200	
C 00028 CLW204118	O		ED	1	3	2	06	23S	27E	572630	3578004*		263	
C 00028 CLW204125	O		ED	4	1	2	06	23S	27E	572824	3578207*		210	
C 00028 S		CUB	ED	3	1	2	06	23S	27E	572624	3578207*		231	190 41
C 00109		CUB	ED	1	3	3	04	23S	27E	575051	3577226*		168	120 48
C 00109 CLW203096	O		ED	1	3	3	04	23S	27E	575051	3577226*		260	
C 00281		C	ED	4	4	2	04	23S	27E	576459	3577846*		150	
C 00296		C	ED		1	4	05	23S	27E	574345	3577519*		225	
C 00323		C	ED		4	4	05	23S	27E	574750	3577122*		200	
C 00400		C	ED	4	4	2	04	23S	27E	576459	3577846*		145	
C 00624		C	ED			2	06	23S	27E	572932	3578106*		285	
C 01670		C	ED	4	4	2	05	23S	27E	574842	3577826*		385	
C 01671		C	ED	3	3	1	05	23S	27E	573434	3577811*		350	
C 01976		C	ED	3	1	2	05	23S	27E	574236	3578224*		250	
C 02099		C	ED		2	3	06	23S	27E	572335	3577498*		200	165 35
C 02151		C	ED		4	3	06	23S	27E	572341	3577095*		196	130 66
C 02710		C	ED			4	05	23S	27E	574550	3577318*		200	72 128
C 02711		C	ED		4	4	05	23S	27E	574750	3577122*		170	75 95
C 03020		C	ED		4	4	05	23S	27E	574750	3577122*		176	135 41
C 03056		C	ED	1	3	3	04	23S	27E	575051	3577226*		60	31 29
C 03476 POD1		C	ED	2	2	2	04	23S	27E	576488	3578407		200	
C 03653 POD1		C	ED	2	4	4	05	23S	27E	574757	3577331		220	180 40
C 03799 POD1		C	ED	1	3	3	04	23S	27E	574981	3577170		200	51 149

*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.

Average Depth to Water: **114 feet**

Minimum Depth: **31 feet**

Maximum Depth: **190 feet**

Record Count: 23

PLSS Search:

Section(s): 4-6

Township: 23S

Range: 27E

Affidavit of Publication

No. 23338

State of New Mexico

County of Eddy

Danny Scott

being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/day on the same

day as follows:

First Publication February 8, 2015

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Subscribed and sworn before me this

9th day of February 2015



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

Latisha Romine

Latisha Romine

Notary Public, Eddy County, New Mexico

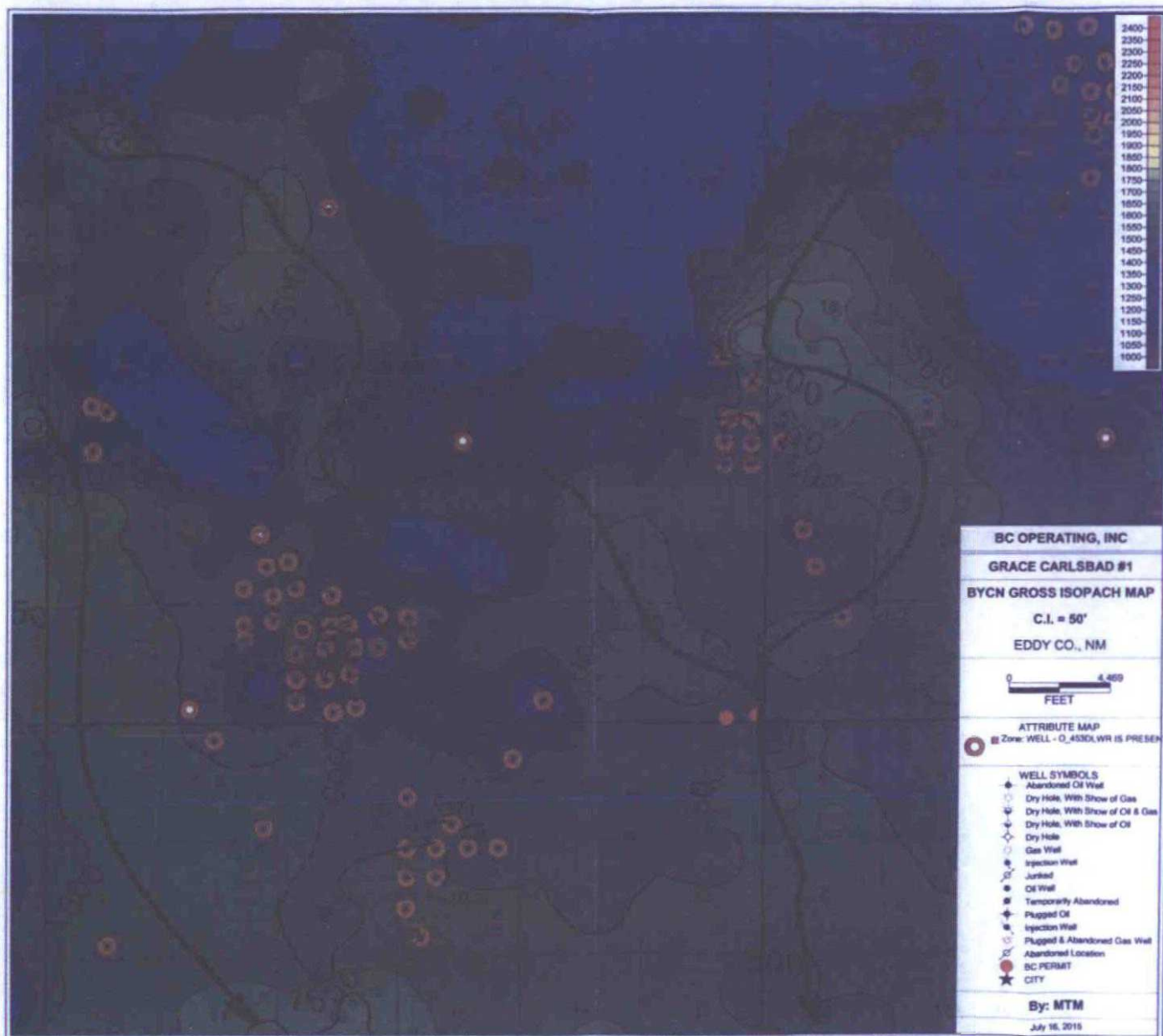
Copy of Publication:

LEGAL NOTICE

Mack Energy Corporation, Post Office Box 960, Artesia, NM 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced water into the Spoon SWD #1 1980 FSL & 660 FEL of Section 32 T22S R27E, NMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon and Cherry Canyon formations at a disposal depth of 2050-3930'. Water will be injected at a maximum surface pressure of 410# pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Deana Weaver at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or call (575) 748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.

Published in the Artesia Daily Press, Artesia, N.M., February 8, 2015 Legal No. 23338.

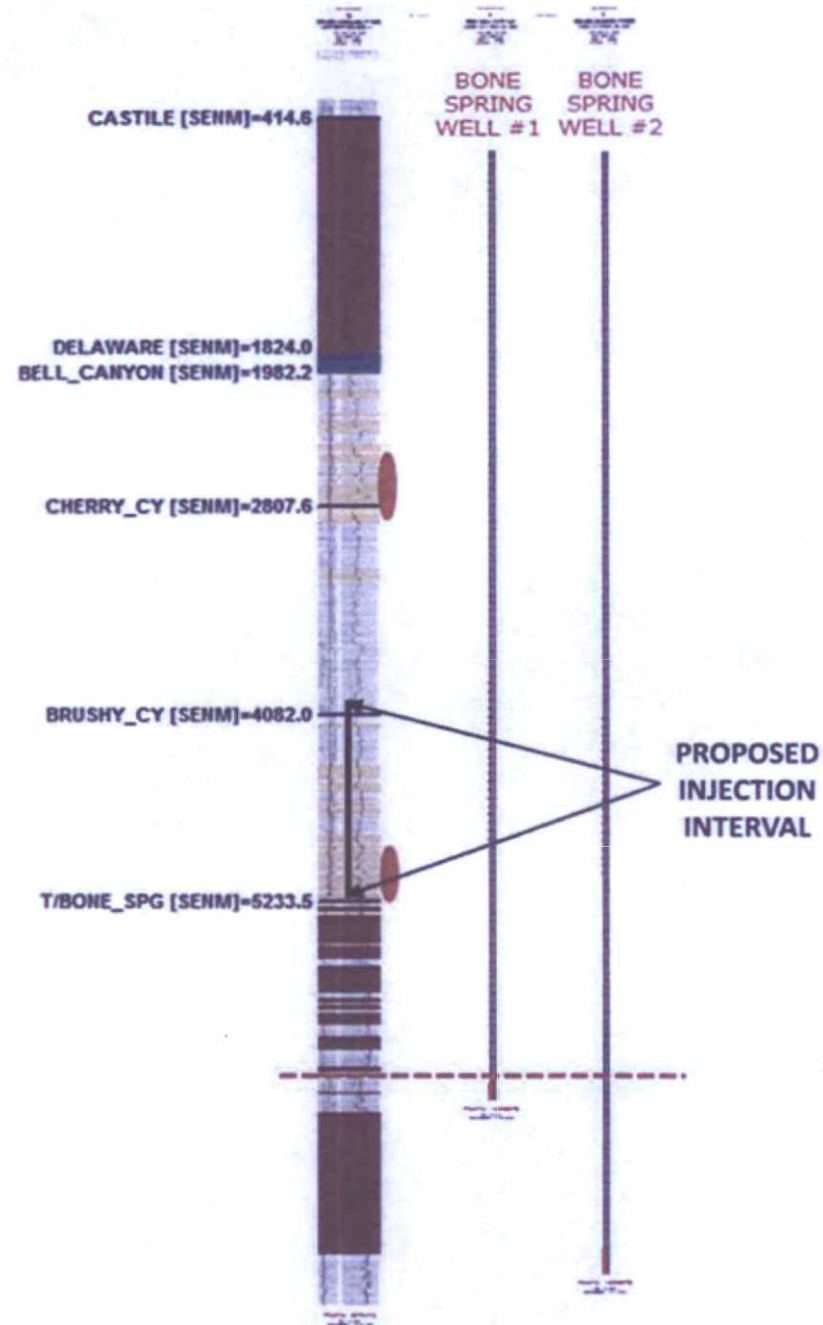
RECEIVED OGD
2015 FEB 23 P 3:02



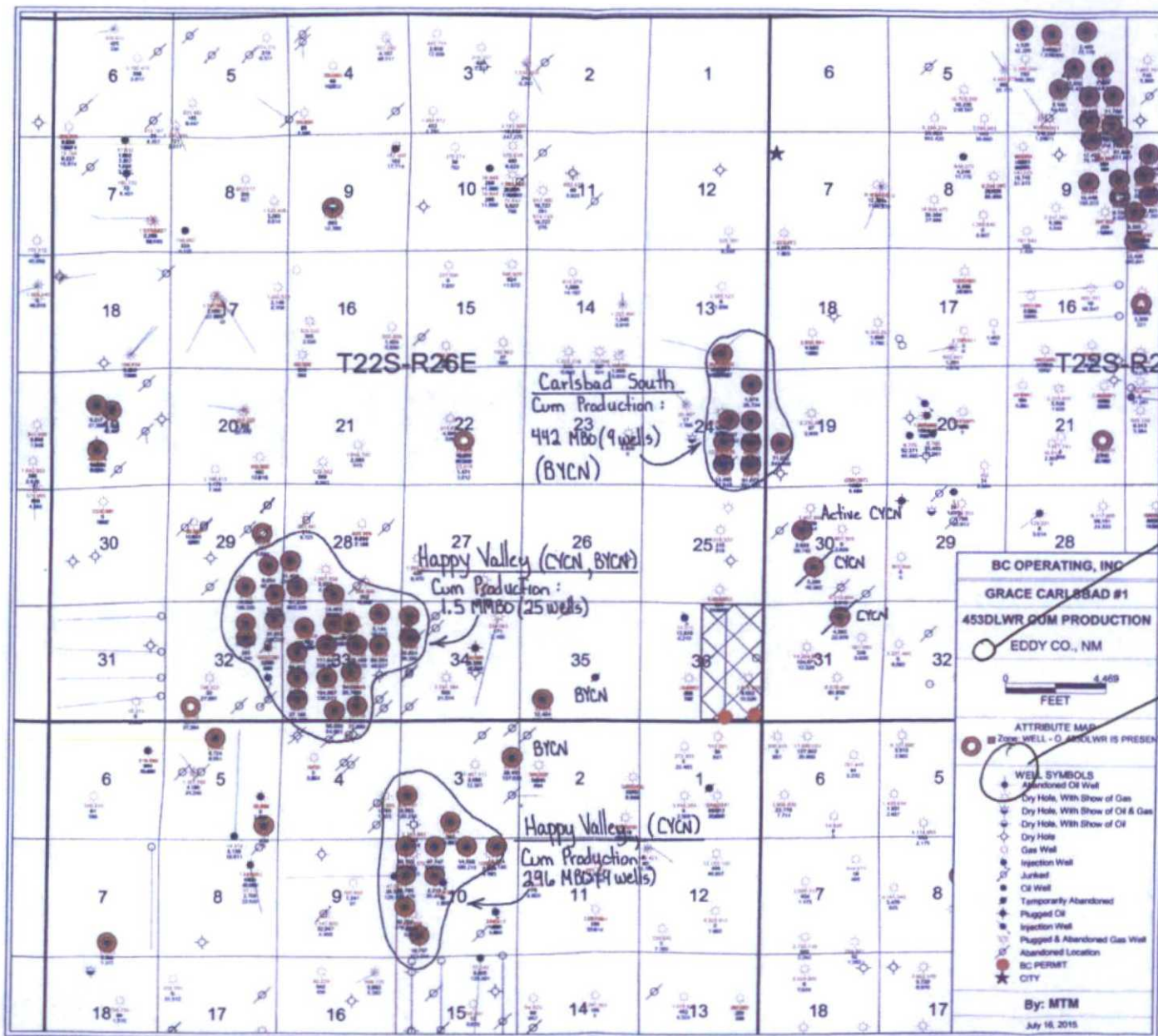
BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 6
 Submitted by: BC OPERATING, INC.
 Hearing Date: July 23, 2015

CORRELATION SECTION INCORPORATING SONIC LOG FROM THE AIRPORT-GRACE #1 (FAR LEFT) AND TWO TYPE HORIZONTAL BONE SPRING WELLS IN THE AREA. ALL OF THE BONE SPRING WELLS IN THE AREA, WHETHER HORIZONTAL OR VERTICAL, PRODUCE BELOW THE DASHED RED LINE, FROM SANDS LOWER IN THE BONE SPRING SEQUENCE. DARK BROWN SHADING SHOWS CAPROCK, WHICH COULD BE TIGHT CARBONATES AND CLASTICS IN THE BONE SPRING, AND THE THICK CASTILE EVAPORITE SEQUENCE ABOVE THE DELAWARE. BETWEEN THE CAPROCK IN THE BONE SPRING ARE SOME POROUS CARBONATES, AND TIGHTER CLASTICS.

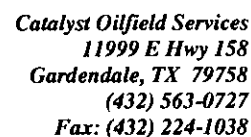
CLEANER DELAWARE SANDS ARE HIGHLIGHTED IN TAN, AND THESE ARE INTERCALATED WITH TIGHTER SILTSTONES AND SHALES WITH LIMITED TO NO PERMEABILITY. THE BRIGHT BLUE SHADING IS THE LAMAR LIMESTONE, A TIGHT, BASINAL CARBONATE AT THE TOP OF THE DELAWARE SEQUENCE. THE RED OVALS SHOW WHERE SOME OF THE ACTIVE DELAWARE OIL WELLS IN THE AREA ARE GENERALLY PERFORATED, SOME OF WHICH CORRESPOND IN PART TO KEY'S PROPOSED INJECTION INTERVAL.



OCD Case No. 15322
KEY ENERGY
Exhibit #18



SWD-1483
Rt SWD
No. 1
[2117' to 3982']
1 UUC Lot 3/84/235
27E



Customer:	Mack Energy Corporation	Sample #:	27741
Area:	Artesia	Analysis ID #:	26280
Lease:	Spoon		
Location:	SWD #1		0
Sample Point:	Old Cavern Hwy & Co Ray Dr Loiving , NM		

Sampling Date:	4/28/2015	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	4/29/2015	Chloride:	4457.0	125.72	Sodium:	1306.0	56.81
Analyst:	Catalyst	Bicarbonate:	203.3	3.33	Magnesium:	674.9	55.52
TDS (mg/l or g/m3):	8818.9	Carbonate:			Calcium:	877.7	43.8
Density (g/cm3):	1.008	Sulfate:	1300.0	27.07	Potassium:	0.0	0.
		Borate*:	0.0	0.	Strontium:	0.0	0.
		*Calculated based on measured elemental boron.			Barium:	0.0	0.
Hydrogen Sulfide:	0				Iron:	0.0	0.
Carbon Dioxide:	0				Manganese:	0.000	0.
Comments:		pH at time of sampling:		8.13			
		pH at time of analysis:					
		pH used In Calculation:		8.13			
		Temperature @ lab conditlons (F):		75	Conductivity (micro-ohms/cm):		12420
					Reslivity (ohm meter):		.8052

	Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄		
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount	
80	1.31	20.15	-0.26	0.00	-0.33	0.00	0.00	0.00	0.00	0.00	
100	1.34	22.58	-0.27	0.00	-0.27	0.00	0.00	0.00	0.00	0.00	
120	1.38	25.36	-0.26	0.00	-0.19	0.00	0.00	0.00	0.00	0.00	
140	1.44	28.49	-0.25	0.00	-0.08	0.00	0.00	0.00	0.00	0.00	
160	1.50	31.62	-0.23	0.00	0.04	47.25	0.00	0.00	0.00	0.00	
180	1.58	35.09	-0.20	0.00	0.18	175.80	0.00	0.00	0.00	0.00	
200	1.66	38.57	-0.17	0.00	0.34	286.29	0.00	0.00	0.00	0.00	
220	1.74	41.69	-0.14	0.00	0.50	376.97	0.00	0.00	0.00	0.00	



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

Water Analysis Report

Customer:	Mack Energy Corporation	Sample #:	27741
Area:	Artesia	Analysis ID #:	26280
Lease:	Spoon		
Location:	SWD #1		0
Sample Point:	Old Cavern Hwy & Co Ray Dr Loving, NM		

		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	4/28/2015	Chloride:	4457.0	Sodium:	1306.0
Analysis Date:	4/29/2015	Bicarbonate:	203.3	Magnesium:	674.9
Analyst:	Catalyst	Carbonate:		Calcium:	877.7
TDS (mg/l or g/m3):	8818.9	Sulfate:	1300.0	Potassium:	0.0
Density (g/cm3):	1.008	Borate*:	0.0	Strontium:	0.0
		*Calculated based on measured elemental boron.		Barium:	0.0
Hydrogen Sulfide:	0			Iron:	0.0
Carbon Dioxide:	0			Manganese:	0.000
Comments:		pH at time of sampling:	8.13		
		pH at time of analysis:			
		pH used in Calculation:	8.13		
		Temperature @ lab conditions (F):	75	Conductivity (micro-ohms/cm):	12420
				Resistivity (ohm meter):	.8052

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	1.31	20.15	-0.26	0.00	-0.33	0.00	0.00	0.00	0.00	0.00
100	1.34	22.58	-0.27	0.00	-0.27	0.00	0.00	0.00	0.00	0.00
120	1.38	25.36	-0.26	0.00	-0.19	0.00	0.00	0.00	0.00	0.00
140	1.44	28.49	-0.25	0.00	-0.08	0.00	0.00	0.00	0.00	0.00
160	1.50	31.62	-0.23	0.00	0.04	47.25	0.00	0.00	0.00	0.00
180	1.58	35.09	-0.20	0.00	0.18	175.80	0.00	0.00	0.00	0.00
200	1.66	38.57	-0.17	0.00	0.34	286.29	0.00	0.00	0.00	0.00
220	1.74	41.69	-0.14	0.00	0.50	376.97	0.00	0.00	0.00	0.00



C-108 Review Checklist: Received 2/11/2015 Add. Request: 2/05/2016 Reply Date: _____ Suspended: _____ [Ver 15]

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

Well No. 1 Well Name(s): SPUDN SLD

API: 30-0 15-42824 Spud Date: TBD New or Old: N (UIC Class II Primacy 03/07/1982)

Footages 1980 FSL 660 FBL Lot _____ or Unit I Sec 32 Tsp 22S Rge 27E County Eddy

General Location: 2.5 miles SE of Carlsbad Pool: SAD BELL CANYON Pool No.: 96802

BLM 100K Map: CANLSBAD Operator: MAK Energy Corporation OGRID: 13837 Contact: Deanna Weaver

COMPLIANCE RULE 5.9: Total Wells: 434 Inactive: 3 Fincl Assur: Y Compl. Order? N/A IS 5.9 OK? Y Date: 2-26-2015

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)	Setting	Cement	Cement Top and Determination
		Borehole / Pipe	Depths (ft)	Sx or Cf	Method
Planned ___ or Existing ___ Surface	<u>12 1/4 / 8 5/8</u>	<u>800</u>	Stage Tool	<u>725</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Interm/Prod					
Planned ___ or Existing ___ Interm/Prod	<u>7 7/8 / 5 1/2</u>	<u>4100</u>		<u>725</u>	<u>SURFACE / VISUAL</u>
Planned ___ or Existing ___ Prod/Liner					
Planned ___ or Existing ___ Liner					
Planned ___ or Existing ___ OH <u>(PERF)</u>	<u>2050 / 3 1/2</u>		Inj Length <u>1880</u>		

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.			
Confining Unit: Litho. Struc. Por.			
Proposed Inj Interval TOP:	<u>2050</u>		
Proposed Inj Interval BOTTOM:	<u>3130</u>		
Confining Unit: Litho. Struc. Por.			
Adjacent Unit: Litho. Struc. Por.			

Completion/Operation Details:	
Drilled TD	<u>4100</u> PBTD _____
NEW TD	_____ NEW PBTD _____
NEW Open Hole	<input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Tubing Size	<u>2 7/8</u> in. Inter Coated? <u>Y</u>
Proposed Packer Depth	_____ ft
Min. Packer Depth	<u>7150</u> (100-ft limit)
Proposed Max. Surface Press.	<u>7000</u> psi
Admin. Inj. Press.	<u>410</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 200 HYDRO AFFIRM STATEMENT By Qualified Person ☒

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

Disposal Fluid: Formation Source(s) Sp. 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 Analysis? _____ On Lease ☐ Operator Only ☐ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): NA/4K Protectable Waters? _____ Source: _____ System: Closed or Open

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

AOR Wells: 1/2-M Radius Map? Y Well List? Y Total No. Wells Penetrating Interval: 12 Horizontals? NA

Penetrating Wells: No. Active Wells 8 Num Repairs? _____ on which well(s)? _____ Diagrams? Y

Penetrating Wells: No. P&A Wells 4 Num Repairs? _____ on which well(s)? _____ Diagrams? Y

NOTICE: Newspaper Date 2-9-2015 Mineral Owner Lincoln Surface Owner Applicant N. Date 2-6-18

RULE 26.7(A): Identified Tracts? Y Affected Persons: MAADOR, MCCOMBS, MARCHISON N. Date _____

Order Conditions: Issues: X-section thing ing/delaware

Add Order Cond: _____

Goetze, Phillip, EMNRD

From: Goetze, Phillip, EMNRD
Sent: Wednesday, September 02, 2015 11:49 AM
To: Deana Weaver
Cc: McMillan, Michael, EMNRD; Jones, William V, EMNRD
Subject: RE: Pending SWD Applications
Attachments: 15235_14_cf.pdf; 15235_6_cf.pdf

Deana:

I apologize for status of the Hollow SWD No. 1 (API No. 30-015-42529) as cancelled. The application was held due to the proximity of a lease pressure maintenance project in the same interval proposed for injection by Mack. I needed for Caza to submit their data regarding the reservoir in the Cherry Canyon formation and their proposed activity for the operation. The application was put aside until the order was established (see attachments). I will revisit Caza's information and assess whether Caza's channel structure is tied to your proposed injection interval.

The location of the Spoon SWD No. 1 (API No. 30-015-42824) is located adjacent to an ongoing case (Case No. 15322 – Key's Graceland well in Sec 36, T22S, R27E) which involves a protest by BC Operating stating the Brushy Canyon and possibly Cherry Canyon formations have hydrocarbon potential. The protest originates from an application for the proposed SWD well in the same interval as BC's proposed well.

The reason for delay for the Hollow is my fault due to putting it aside and not picking up following the issuance of the order. But, the general rule that the formations of the Delaware Mountain Group in certain locations may not have hydrocarbon potential based on older production or exploration information is not valid. Additionally, the general assumption that contacts between the formations are "sealed" and represent confining layers which will prevent impacts from disposal injection on adjacent resources is not proving to be accurate. This means more time to look at the details of applications in the DMG to ensure that OCD doesn't violate its own rules.

I will place your applications on the top – the Key case will be under advisement and I will be able to review the exhibits for guidance. PRG

Phillip R. Goetze, P.G.

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive, Santa Fe, NM 87505

O: 505.476.3466 F: 505.476.3462

phillip.goetze@state.nm.us



From: Deana Weaver [mailto:dweaver@mec.com]
Sent: Wednesday, September 02, 2015 8:34 AM
To: Goetze, Phillip, EMNRD
Subject: Pending SWD Applications

Phillip

I need updates on the following SWD applications.

Hollow SWD #1 – Mailed 8/6/14

Spoon SWD #1 – Mailed 2/6/15

Please respond as soon as possible. Why is the Hollow SWD #1 is taking so long for approval?

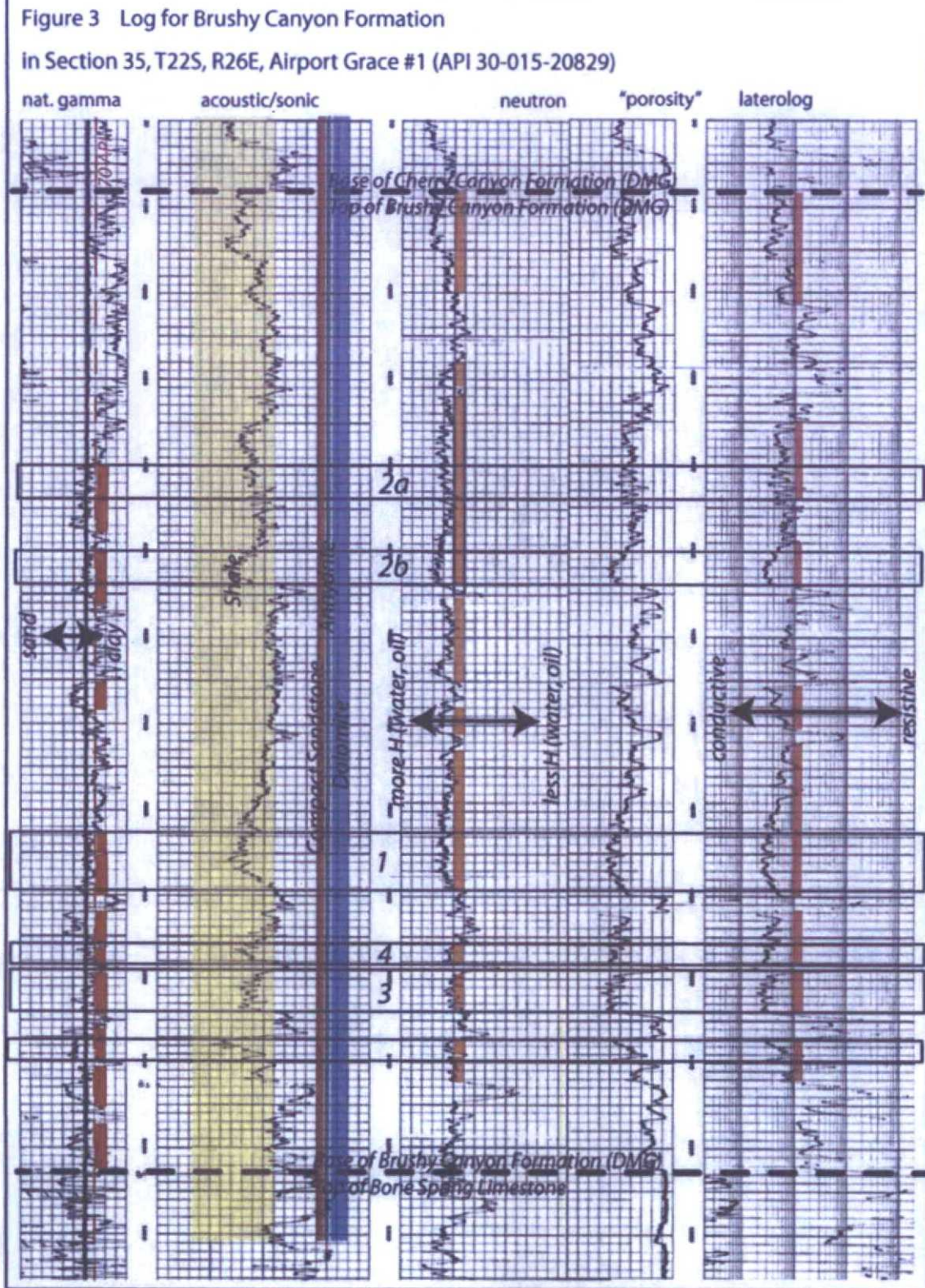
Thank you

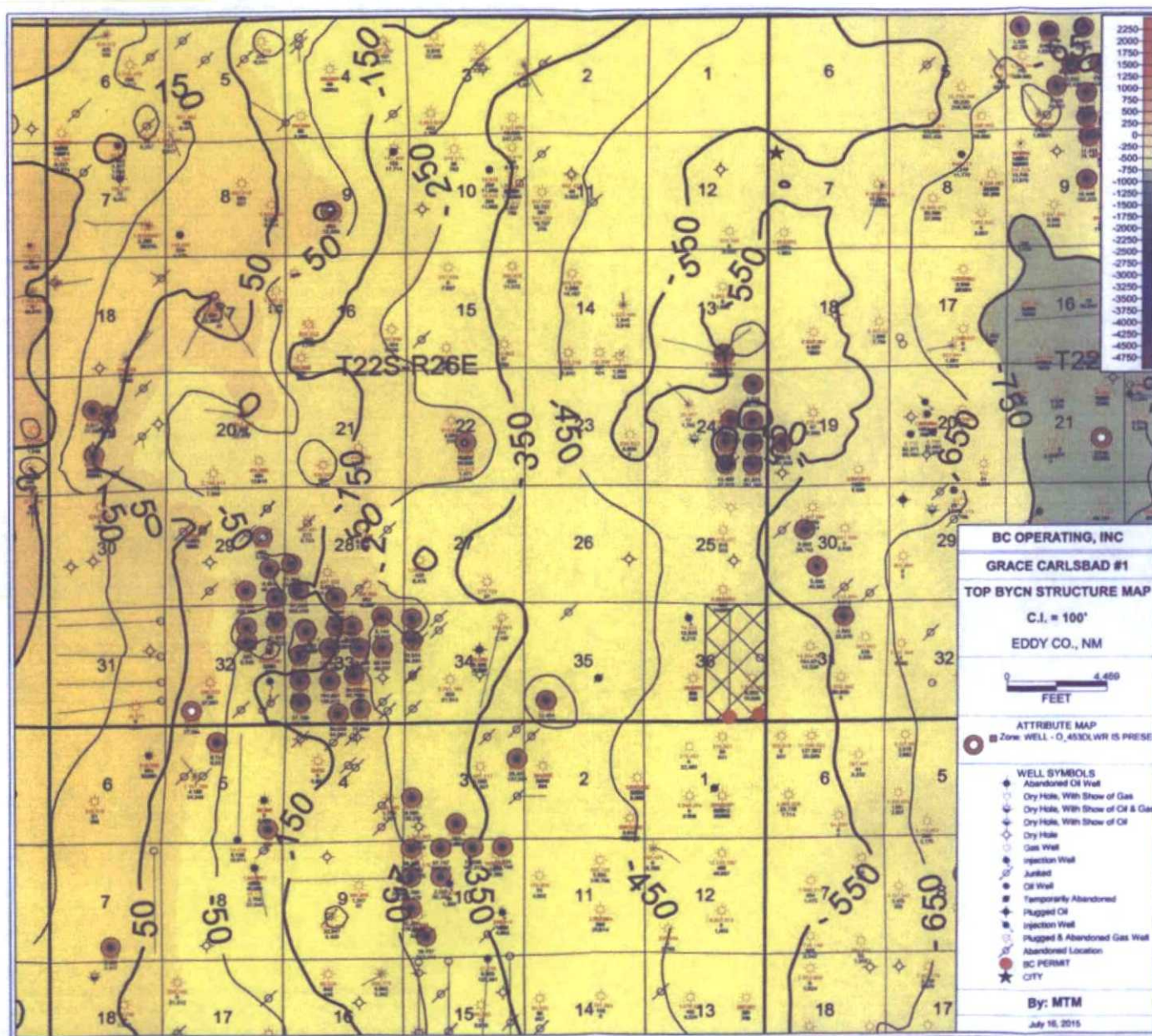
Deana Weaver

Mack Energy Corporation

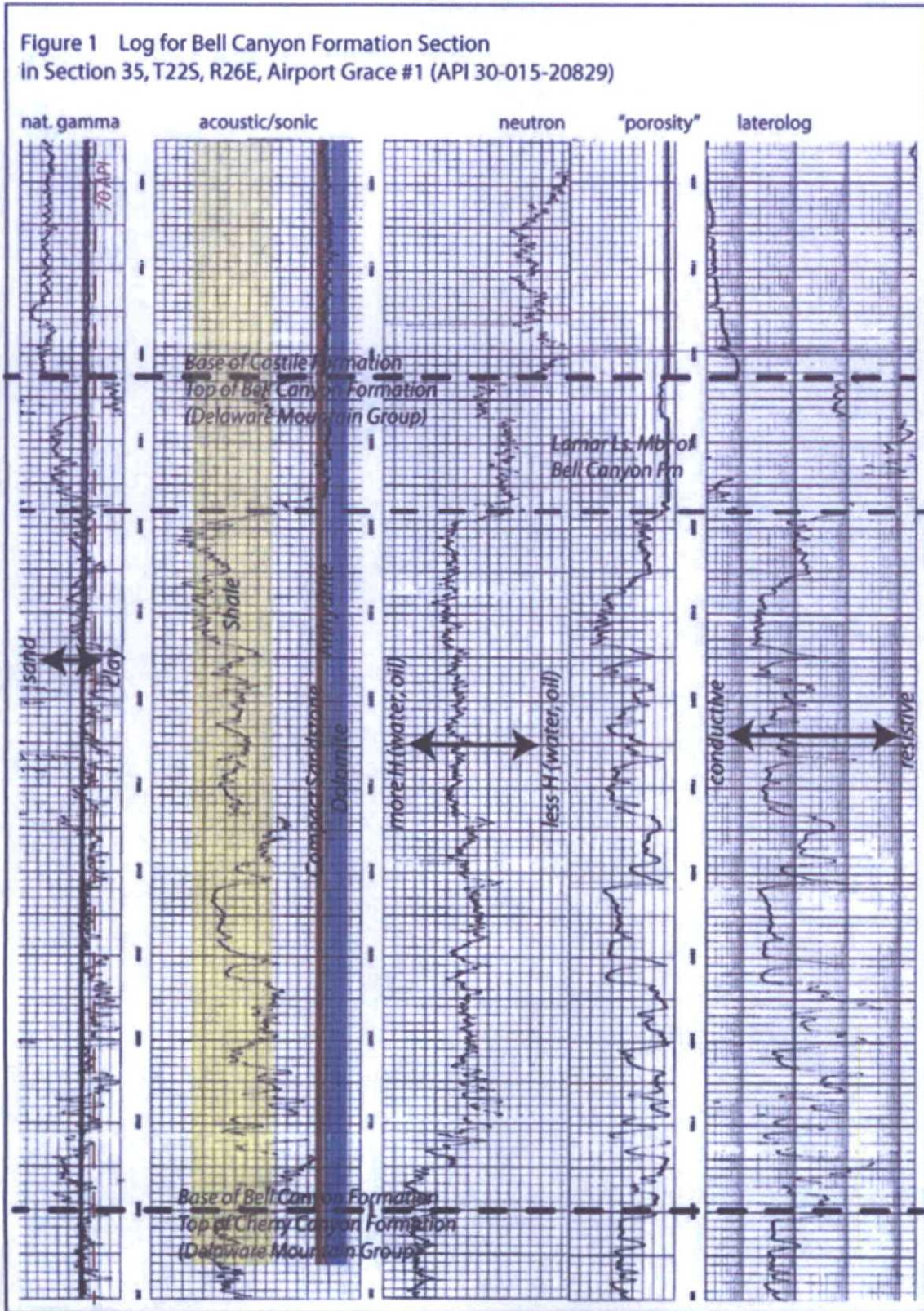
Key Energy SWD T22S R26E Section 36

Modified from Dr. Powers 3/21/12
Figure 5 by A. Gutierrez 7/17/15





BEFORE THE OIL CONVERSION
 DIVISION
 Santa Fe, New Mexico
 Exhibit No. 5
 Submitted by: BC OPERATING, INC.
 Hearing Date: July 23, 2015





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

Water Analysis Report

Customer: Mack Energy Corporation Sample #: 25981
 Area: Artesia Analysis ID #: 24650
 Lease: Ape Fee
 Location: #1 0
 Sample Point: Wellhead

Bone Spring

Sampling Date:	2/5/2015	Anions:	mg/l	meq/l	Cations:	mg/l	meq/l
Analysis Date:	2/11/2015	Chloride:	117600.2	3317.07	Sodium:	55380.0	2408.89
Analyst:	Catalyst	Bicarbonate:	153.7	2.62	Magnesium:	7564.0	622.24
TDS (mg/l or g/m3):	187952.5	Carbonate:			Calcium:	5120.0	255.49
Density (g/cm3):	1.133	Sulfate:	320.0	6.66	Potassium:	1124.0	28.75
		Borate*:	187.3	1.18	Strontium:	503.3	11.49
		*Calculated based on measured elemental boron.			Barium:	0.0	0.0
Hydrogen Sulfide:	0				Iron:	0.0	0.0
Carbon Dioxide:	92.4				Manganese:	0.000	0.0
Comments:		pH at time of sampling:		7			
		pH at time of analysis:					
		pH used in Calculation:		7			
		Temperature @ lab conditions (F):		75	Conductivity (micro-ohms/cm):		217000
					Resistivity (ohm meter):		.0461

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	0.59	7.31	-0.85	0.00	-0.84	0.00	-0.17	0.00	0.00	0.00
100	0.64	9.06	-0.92	0.00	-0.84	0.00	-0.19	0.00	0.00	0.00
120	0.69	10.53	-0.97	0.00	-0.81	0.00	-0.20	0.00	0.00	0.00
140	0.72	12.28	-1.01	0.00	-0.76	0.00	-0.20	0.00	0.00	0.00
160	0.76	14.33	-1.05	0.00	-0.69	0.00	-0.19	0.00	0.00	0.00
180	0.80	16.37	-1.08	0.00	-0.61	0.00	-0.18	0.00	0.00	0.00
200	0.85	18.71	-1.10	0.00	-0.51	0.00	-0.16	0.00	0.00	0.00
220	0.90	20.76	-1.12	0.00	-0.41	0.00	-0.14	0.00	0.00	0.00



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

Water Analysis Report

Customer: Mack Energy Corporation Sample #: 22342
Area: Artesia Analysis ID #: 21281
Lease: Hollow
Location: FW 1 0
Sample Point: Wellhead

Hollow SWD

Sampling Date:	8/8/2014	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	8/26/2014	Chloride:	384.3	10.84	Sodium:	97.6	4.24
Analyst:	Catalyst	Bicarbonate:	109.0	1.79	Magnesium:	45.6	3.75
TDS (mg/l or g/m3):	1396.7	Carbonate:			Calcium:	269.5	13.45
Density (g/cm3):	1.004	Sulfate:	460.0	9.58	Potassium:	22.4	0.57
		Borate:	0.0	0	Strontium:	8.3	0.19
		*Calculated based on measured elemental boron:			Barium:	0.0	0
Hydrogen Sulfide:	0				Iron:	0.0	0
Carbon Dioxide:	0				Manganese:	0.000	0
Comments:		pH at time of sampling:		7			
		pH at time of analysis:					
		pH used in Calculation:		7			
		Temperature @ lab conditions (F):		75	Conductivity (micro-ohms/cm):		1808
					Resistivity (ohm meter):		5.5310

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp	Calcite CaCO ₃	Gypsum CaSO ₄ ·2H ₂ O	Anhydrite CaSO ₄	Celestite SrSO ₄	Barite BaSO ₄	
*F	Index	Amount	Index	Amount	Index	Amount
80	-0.22	0.00	-0.69	0.00	-0.76	0.00
100	-0.09	0.00	-0.69	0.00	-0.69	0.00
120	0.05	0.70	-0.68	0.00	-0.60	0.00
140	0.20	3.15	-0.65	0.00	-0.49	0.00
160	0.36	5.95	-0.63	0.00	-0.46	0.00
180	0.52	8.75	-0.59	0.00	-0.43	0.00
200	0.69	11.55	-0.55	0.00	-0.38	0.00
220	0.86	14.35	-0.51	0.00	-0.33	0.00



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

Water Analysis Report

Customer: Mack Energy Corporation
Area: Artesia
Lease: Spoon
Location: SWD #1 0
Sample Point: Old Cavern Hwy & Co Ray Dr Loving, NM

Sample #: 27741
Analysis ID #: 26280

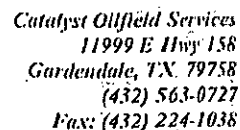
SPoon SWD

		Anions		Cations	
		mg/l	meq/l	mg/l	meq/l
Sampling Date:	4/28/2015	Chloride:	4457.0	Sodium:	1306.0
Analysis Date:	4/29/2015	Bicarbonate:	203.3	Magnesium:	674.9
Analyst:	Catalyst	Carbonate:		Calcium:	877.7
TDS (mg/l or g/m3):	8818.9	Sulfate:	1300.0	Potassium:	0.0
Density (g/cm3):	1.008	Borate:	0.0	Strontium:	0.0
		*Calculated based on measured elemental boron.		Barium:	0.0
Hydrogen Sulfide:	0			Iron:	0.0
Carbon Dioxide:	0			Manganese:	0.000
Comments:		pH at time of sampling:	8.13		
		pH at time of analysis:			
		pH used in Calculation:	8.13		
		Temperature @ lab conditions (F):	75	Conductivity (micro-ohms/cm):	12420
				Resistivity (ohm meter):	.8052

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
*F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	1.31	20.15	-0.26	0.00	-0.33	0.00	0.00	0.00	0.00	0.00
100	1.34	22.58	-0.27	0.00	-0.27	0.00	0.00	0.00	0.00	0.00
120	1.38	25.36	-0.26	0.00	-0.19	0.00	0.00	0.00	0.00	0.00
140	1.44	28.49	-0.25	0.00	-0.08	0.00	0.00	0.00	0.00	0.00
160	1.50	31.62	-0.23	0.00	0.04	47.25	0.00	0.00	0.00	0.00
180	1.58	35.09	-0.20	0.00	0.18	175.80	0.00	0.00	0.00	0.00
200	1.66	38.57	-0.17	0.00	0.34	286.29	0.00	0.00	0.00	0.00
220	1.74	41.69	-0.14	0.00	0.50	376.97	0.00	0.00	0.00	0.00

CATALYST



Customer:	Mack Energy Corporation	Sample #:	21657
Area:	Artesia	Analysis ID #:	20556
Lease:	Crab		
Location:	FW #1		0
Sample Point:	Water Tank		

Crab SWD

[illegible]

SW/4, E/2, E/2NW/4 of Section 32, Township 22 South, Range 27 East, NMPM

Artesia Oil & Gas, LLC
PO Box 1768
Artesia, NM 88211

Ventana Minerals, LLC
11344 Lovington Highway
Artesia, NM 88210

Mary Francis Price, a/k/a Mary F. Price, a
Widow, Individually and as Life Tenant
812 Hopi Road
Carlsbad, NM 88220

MRC Permian Company
One Lincoln Center
5400 LBJ Freeway, Suite 1500
Dallas, TX 75240

DiaKan Minerals, LLC
11344 Lovington Highway
Artesia, NM 88210

Linda A. Bell
PO Box 2223
Cody, WY 82414

Brininstool XL Ranch, LLC
Attn. Christine Brininstool
PO Box 940
Jal, NM 88252

Ray Fletcher, sm, ssp; Shirley Fletcher, sw, ssp
c/o Tracy Fletcher
1108 Acoma Place
Farmington, NM 87401

Mary Gene Bloomquist, ssp
14050 East Linvale Place, Apt. #202
Aurora, CO 80014

Chase Oil Corporation
11344 Lovington Highway
Artesia, NM 88210

Nelta Sue Brown, ssp
PO Box 5188
Page, AZ 86040

Ethel T. Neal, a Widow & Personal
Representative of The Estate of Caswell
Fincher Neal, Decd.
2011 Brazos
Roswell, NM 88201

Robert C. Chase
11344 Lovington Highway
Artesia, NM 88210

Carroll Resources Corporation
PO Box 8438
Northfield, IL 60093

NW/4 of Section 4, Township 23 South, Range 27 East, NMPM

Chase Oil Corporation
11344 Lovington Highway
Artesia, NM 88210

Ventana Minerals, LLC
11344 Lovington Highway
Artesia, NM 88210

Robert C. Chase
11344 Lovington Highway
Artesia, NM 88210

DiaKan Minerals, LLC
11344 Lovington Highway
Artesia, NM 88210

NE/4, E/2NW/4 of Section 5, Township 23 South, Range 27 East, NMPM

Linn Operating, Inc.
600 Travis, Suite 5100
Houston, TX 77002

Spoon SWD Offsets

W/2 of Section 33, Township 22 South, Range 27 East, NMPM

McCombs Energy, Ltd.
5599 San Felipe; Suite 1200
Houston, TX 77056

David K. Henderson
PO Box 1518
Roswell, NM 88202

Reserve Management, Inc.
PO Box 4469
Longview, TX 75606

McCombs Energy, LLC
5599 San Felipe; Suite 1200
Houston, TX 77056

Virginia C. Houston Marital Trust
5535 Park Lane
Dallas, TX 75220

Alfred E. Rodriguez
7777 Forest Lane
Dallas, TX 75230

Chi Energy, Inc.
PO Box 1799
Midland, TX 79702

R.R. & Bobbie McDearmon
2533 20th Avenue North
Texas City, TX 77590

Westway Petro Four
500 N. Akard-Lock, Box 70
Dallas, TX 75201

Brazos, LP
PO Box 911
Breckenridge, TX 76424

Jack C. Holland
216 Goddard Blvd., Ste 10
King of Prussia, PA 19406

The John D. L. & Chloe M. Davis
Revocable Living Trust
421 Hazelwood Drive West
Fort Worth, TX 76107

Murchison Oil & Gas, Inc.
1100 Mira Vista Blvd
Plano, TX 75093

Donald E. Richter
9 Willow Wood
Dallas, TX 75205

Boughton Petroleum, Inc.
PO Box 1389
Sealy, TX 77474

McVay Drilling, Inc.
PO Box 924
Hobbs, NM 88241

CBR Oil Properties, LLC
PO Box 1518
Roswell, NM 88202

First Centry Oil, Inc.
PO Box 1518
Roswell, NM 88202

Pocahontas Oil Company, Inc.
PO Box 60476
Midland, TX 79711

Lincoln Oil & Gas, LLC
701 Three Cross Drive
Roswell, NM 88201

Charles H. Hill, III
1529 Windy Meadow
Dallas, TX 75248

WDW Operator, Inc.
1521 Olivier Street
Midland, TX 79701

Marion V. Turner
Route 9, Box 62-T
Santa Fe, NM 87505

The Virginia A. Desmond Trust
c/o First American Bank
PO Box 1857
Roswell, NM 88202

James H. Barnett
PO Box 4966
Midland, TX 79704

Buchholz Oil & Gas Company, Inc.
1201 Elm Street
Suite 4300
Dallas, TX 75270

MPS, Inc.
PO Box 52308
Tulsa, OK 74152

Read & Stevens, Inc.
PO Box 1518
Roswell, NM 88202

DHB Partnership
8144 Walnut Hill Lane; Ste 982, LB 51
Dallas, TX 75240

Ralph E. Peacock
7925 E. 40th Street
Tulsa, OK 74145

Thomas M. Beall
PO Box 3098
Midland, TX 79702

CSA Petroleum Corporation
PO Box 318
Hunt, TX 78024

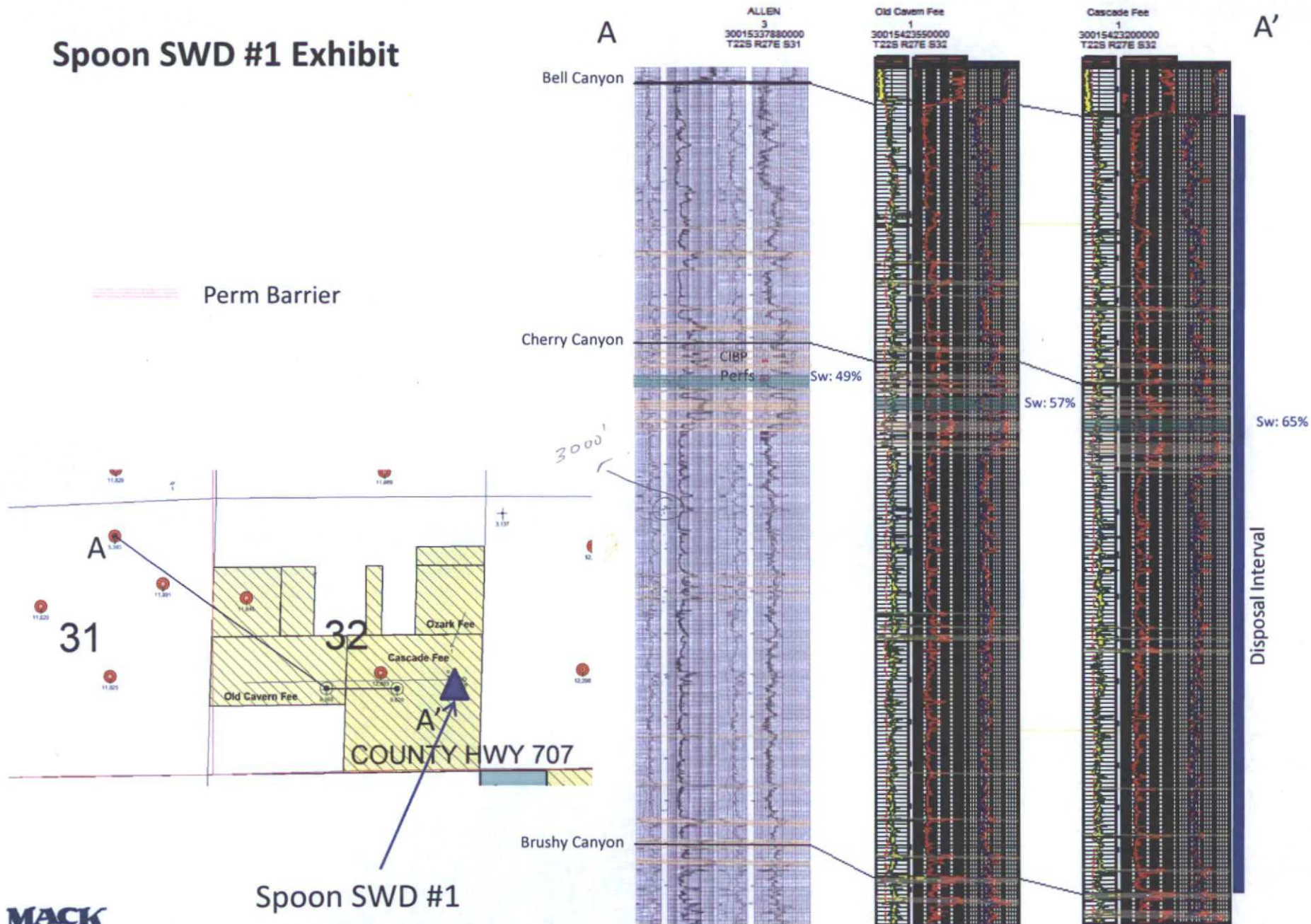
The Sharon Stone Trollinger Trust
6026 Meadowcreek Drive
Dallas, TX 75248

Neil Sisson
PO Box 2234
Ardmore, OK 73402

G. Phillip Huey
6330 E. University
Dallas, TX 75214

New Mexico Western Minerals, Inc.
PO Box 1738
Roswell, NM 88202

Spoon SWD #1 Exhibit



Spoon SWD #1

Proposed
Perf 2050-3930

Perf
2688-2700

McMillan, Michael, EMNRD

From: Deana Weaver <dweaver@mec.com>
Sent: Monday, February 08, 2016 9:15 AM
To: McMillan, Michael, EMNRD
Subject: RE: Spoon SWD Well No. 1
Attachments: water analysis.pdf

Michael

Attached is the water analysis for the Delaware and Bone Spring Formation. Chase Oil owns the surface. I will forward the tract map and cross section as soon as I receive the information.

Thanks
Deana

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Friday, February 05, 2016 9:26 AM
To: Deana Weaver
Subject: RE: Spoon SWD Well No. 1

Deana:

Can you provide the following information:

- The surface owner
- Water sample of the Delaware and Bone Spring formation
- Tract map of the different owners

Thank You

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F. 505.476.3462
Michael.mcmillan@state.nm.us

From: McMillan, Michael, EMNRD
Sent: Friday, February 05, 2016 8:13 AM
To: 'Deana Weaver'
Subject: RE: Spoon SWD Well No. 1

Thanks
Mike

From: Deana Weaver [<mailto:dweaver@mec.com>]
Sent: Friday, February 05, 2016 8:12 AM
To: McMillan, Michael, EMNRD
Subject: RE: Spoon SWD Well No. 1

I'll get you the information as soon as possible.

Thank you
Deana Weaver
Mack Energy Corp

From: McMillan, Michael, EMNRD [<mailto:Michael.McMillan@state.nm.us>]
Sent: Thursday, February 04, 2016 3:30 PM
To: Deana Weaver
Subject: Spoon SWD Well No. 1

Deana:

Can you provide a cross-section through the Spoon SWD Well No. 1, that shows the top of the Delaware, bottom of injection interval, and any perm barriers. Can you include the Allen Well No. 3 (API 30-015-33788) in the cross-section, It cum 4600 barrels of oil.

Thank You

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F. 505.476.3462
Michael.mcmillan@state.nm.us