06/16/2014 LOGGED IN

SWD

dweaver@mec.com e-mail Address

7EH 1416759167

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -



1220 South St. Francis Drive, Santa Fe, NM 87505

	ADMINISTRATIVE APPLI	CATION CHECKLIS	T
THIS CHECKLIST IS MA	ANDATORY FOR ALL ADMINISTRATIVE APPLICAT WHICH REQUIRE PROCESSING AT THI		ULES AND REGULATIONS
[DHC-Dow [PC-Po		oration Unit] [SD-Simultaneous mingling] [PLC-Pool/Lease Co orage] [OLM-Off-Lease Measu essure Maintenance Expansion pjection Pressure Increase]	emmingling] rement] n]
[A]	PPLICATION - Check Those Which Ap Location - Spacing Unit - Simultaneous NSL NSP SD	ply for [A] is Dedication MACK ENER RI-30-015-Pending	Pesponse] 13837 P-GY CORPORATES
[B]	One Only for [B] or [C] Commingling - Storage - Measuremen DHC CTB PLC		
[C]	Injection - Disposal - Pressure Increas ☐ WFX ☐ PMX ☒ SWD [
[D]	Other: Specify		2501
[21 NOTIFICAT [A]	ION REQUIRED TO: - Check Those V Working, Royalty or Overriding I	Which Apply, or Does Not App Royalty Interest Owners	oly Pool aware
[B]	Offset Operators, Leaseholders or	Surface Owner	α
[C]	Application is One Which Requir	es Published Legal Notice	<u>ک</u>
[D]	Notification and/or Concurrent A U.S. Bureau of Land Management - Commissioner o	pproval by BLM or SLO	
[E]	For all of the above, Proof of Not	ification or Publication is Attach	ed, and/or,
[F]	☐ Waivers are Attached		
	CURATE AND COMPLETE INFORMATION INDICATED ABOVE.	MATION REQUIRED TO PR	OCESS THE TYPE
approval is accurate a	TION: I hereby certify that the information described to the best of my knowled equired information and notifications are	ge. I also understand that no acti	
Note:	Statement must be completed by an individual		apacity.
Deana Weaver Print or Type Name	Signature Vlaver	Production Clerk Title	Date

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 1220 South St. Francis Drive SANTA FE, NEW MEXICO 87505

FORM C- 108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

1.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Stora 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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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 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 wi 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.
Χ.	Attach appropriate logging and test data on the well. (if well logs have been filed with the Division, they need not be resubmitted
XI. A	tach 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
	NAME: Deana Weaver SIGNATURE: Deana Weaver DATE: U. IV
*	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:

INJECTION WELL DATA SHEET

WELL NAME & NUMBER: Ghe	ost SWD #1					
WELL LOCATION: 175 FNL &		В		15	23S	27E
	OOTAGE LOCATION		UNIT LETTER	SECTION	TOWNSHIP	RANGE
WELLBOR	RE SCHEMATIC		<u> </u>	YELL CONSTRU Surface (
-			Hole Size: 12 1/4	10.70	Casing Size: 8 5/8", J	J-55
			Cemented with: 700sx	SX.	or	ft
8 5/8" csg @ 1,100' w/ 700sx, circ ——			Top of Cement: Surface			
				Intermedia	te Casing	
	2 7/8 PC tubing @ 2140' set w/10K		Hole Size:		Casing Size:	
	Nickel Plated PRK		Cemented with:	SX.	or	ft
			Top of Cement:		Method Determined	
4				Production	n Casing	
li li	Perfs @ 2190-4100'		Hole Size: 7 7/8		Casing Size: 5 1/2" I	L- 80
			Cemented with: 625sx	SX.	or	ft
51/2" csg @ 4,300'			Top of Cement: Surface			
w/ 625sx, circ			Total Depth: 4300'			
	19-66			Injection	Interval	
TD-4:	and a		2190'	fee	t to 4100'	

INJECTION WELL DATA SHEET

ing Size:	2 7/8"	Lining Material:	Plastic Coated
e of Packer:	Hallib	urton Trump Packer	
ker Setting Depth:	2140'		
er Type of Tubing	/Casing Seal (if applic	cable):	
	<u> </u>	Additional Data	
Is this a new well	drilled for injection?	Yes 1	No
If no, for what pu	rpose was the well ori	ginally drilled?	
Name of the Inject	ction Formation:	Bell Canyon an	d Cherry Canyon
Name of Field or	Pool (if applicable): _		
Give the name ar injection zone in	nd depths of any oil or this area: Overlyi	gas zones underlying or on the configuration of the	overlying the proposed J nderlying- Brushy Canyon
	· · · · · · · · · · · · · · · · · · ·		
	ker Setting Depth: ter Type of Tubing Is this a new well If no, for what pu Name of the Inject Name of Field or Has the well ever intervals and give	Is this a new well drilled for injection? If no, for what purpose was the well or Name of the Injection Formation: Name of Field or Pool (if applicable): Has the well ever been perforated in an intervals and give plugging detail, i.e. of Give the name and depths of any oil or	er Type of Tubing/Casing Seal (if applicable): Additional Data

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;

0-438#

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; 1910'
- 4. Depth; 2190'-4100'

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. — 4 submitted

Additional Information

Waters Injected: Delaware Sand & Bone Spring

XII. AFFIRMATIVE STATEMENT

RE: Ghost 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: 6/11/14

Charles Sadler, Geologist

District.1
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District.II
811 S. First St., Artesia, NM 88240
Phone: (575) 748-4283 Fax: (575) 748-9720
District.III
1000 Rio Brazos Road, Aztec, NM 87440
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

UL or lot no.

Section

Township

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

County

East/West line

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number ² Pool Code 96802					SV	SWD; Bell Canyon-Cherry Canyon					
⁴ Property	Code				Name SWD						
						Name CORPORATION		⁹ Elevation 3108.5			
	•				* Surface	Location					
UL or lot no.	Section 15	Township 23 S	Range 27 E	Lot Idn	Feet from the 175	North/South line NORTH	Feet from the 2000	East/West line EAST	County EDDY		
		I	" E	ottom H	ole Location	If Different Fro	om Surface				

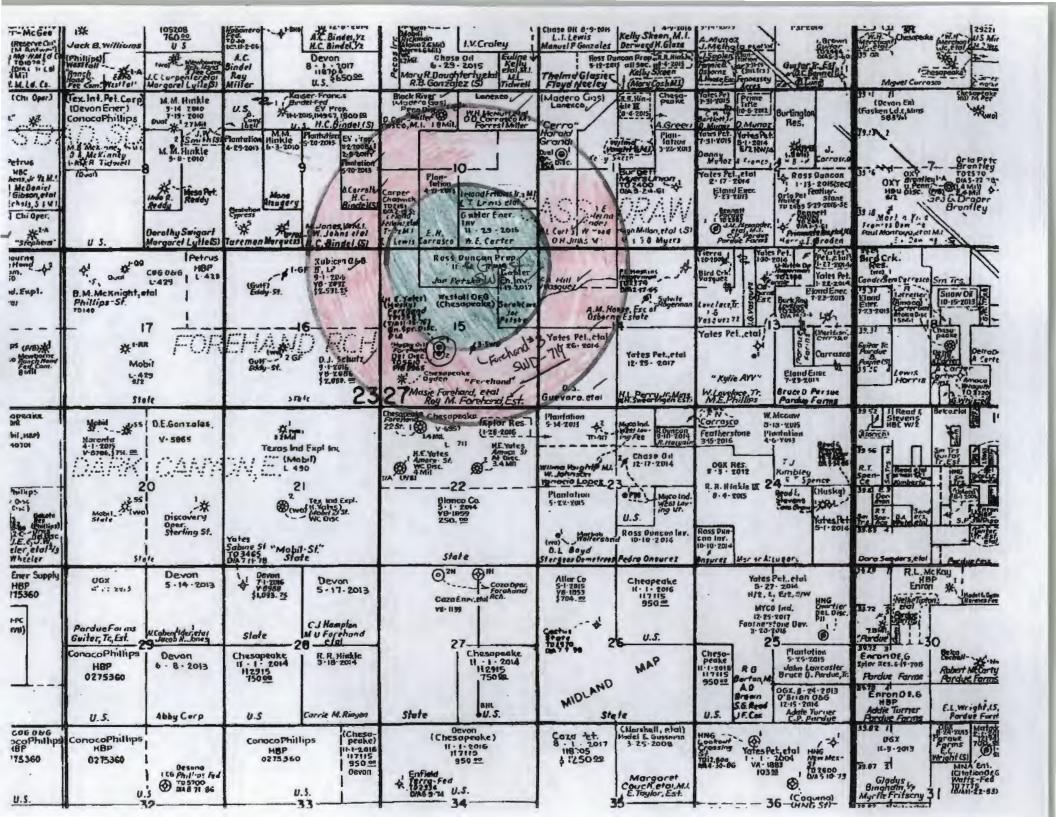
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

North/South line

Feet from the

Lot Idn

	,				-		"OPERATOR CERTIFICATION
، ا	N89'57'15"E NW CORNER SEC. 15	2628.86 FT DNF	N89'57'15"	E 2628.86 F	T	1	I hereby certify that the information contained berein is true and complete
	NW CORNER SEC. 15 LAT. = 32.3125974'N		2000' †	NE CORNER	D CCO 16	1	to the best of my knowledge and belief, and that this organization either
	LONG. = 104.1864732'W NMSP EAST (FT)	SURFACE	_	LAT. = 32.			owns a working interest or unleased mineral interest in the land including
	N = 477486.36	LOCATION	<u>:</u> 1	LONG. = 104.	1694582'W EAST (FT)		the proposed bottom hole location or has a right to drill this well at this
z	E = 586707.27		į		477490.56	SS	location pursuant to a contract with an owner of such a mineral or working
0.0	I	GHOST SWD #1	1	€ =	591963.77	S00.03	interest, or to a voluntary pooling agreement or a compulsory pooling
N00'07'56"W	İ	ELEV. = 3108.5' LAT. = 32.3121105'N ()	VADR3)			23 E	erder heretofore entered by the division.
*		LONG. = 104.1759313'V				ļ'''	Diana Welliver 1,11.14
23		NMSP EAST (FT) N = 477313.88	į			265	Signature Date
2713.98		E = 589964.26				2655.09	Signature 1980
8 7			į			E	Deana Weaver
							Printed Name
			i				weaver@mec.com
						`	E-mail Address
	DNF		i		DNF		
		NOTE:	-				*SURVEYOR CERTIFICATION
	i	LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH	Í				I hereby certify that the well location shown on this
	•	AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST					plat was plotted from field notes of actual surveys
_	Į į	COORDINATES ARE GRID (NAD83). BASIS	6			SQ	
N00:07'56	!	OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST				S00'03'23"E	made by me or under my subtraiston, and that the
)7'5		COORDINATES MODIFIED TO THE SURFACE.	1			23"	same is true and correct to the best of my belief.
₹	1	·				"	MAX 9, 2014
, l	[265	Date of Survey
2713.98		!				2655.09	186 ST 1816
11 1	1	i i		SE CORNER	9 SEC 15	FI (Man Will Min dll
]]	SW CORNER SEC. 15	!		LAT. $= 32.2$	2979944'N		TATY IL Y WINNING
	LAT. = 32.2976802 'N LONG. = 104.1864568 'W s	: 		LONG. = 104.	1694675'W EAST (FT)	/	Signature and Seal of Production Signature of
	NMSP EAST (FT)	 		N =	472181.62		Certificate Number FILIMON F ARXMILLO, PLS 12797
	N = 472059.69 E = 586719.79	DNF		E =	591969.00	J	SURVEY NO. 2979
	S88'40'10"W	2625.93 FT	S88'40'10"W	2625.93 FT			



AREA OF REVIEW WELL DATA

				A OF REVIEW						
LEASE/API	WELL#	LOCATION	TD (PBTD)	TYPE & DATE DRILLED	HOLE SIZE	CASING SIZE & WEIGHT	SETTING DEPTH	SX CMT	тос	PERFS
Ghost SWD	1	175' FNL 2000' FEL 15-23S-27E	4300'	SWD	12 1/4 7 7/8	8 5/8", 32# 5 1/2", 17#	1,100' 4,300'	700 625	Circ Circ	2190-4100'
Forehand 30-015-21599	1	1980' FSL 1980' FWL 15-23S-27E	12,352' PBTD 8922'	Oil Well 8/13/1975	17 1/2 11 7 7/8	13 3/8, 48# 8 5/8, 32# 5 1/2, 17&20#	428 5590 12352	425 3275 1150	Circ Circ 7270'	8642.5-8857'
Forehand 30-015-21855	2	1880' FSL 1980' FWL 15-23S-27E	5610' PBTD 3965'	Oil Well 7/8/1976	15 11 7 7/8	12 3/4, 41# 8 5/8, 24# 7 7/8, 17#	444 1966 5581	400 625 1300	Circ Circ 2850	3737-3751'
Forehand 30-015-22192	3	1980' FSL 1980' FEL 15-23S-27E	4000' PBTD 3994'	SWD 8/29/1977	12 1/4 7 7/8	8 5/8, 32# 5 1/2, 17#	464 3994	275 1160	Circ Circ	IPI-213 SWD-719 (3146-3974)
Ogden 15 30-015-34032	1	660' FSL 1980' FEL 15-23S-27E	12,450' PBTD 11,845'	Oil Well 8/12/2005	17 1/2 11 7 7/8	13 3/8, 48# 8 5/8, 32# 5 1/2, 20 & 17#	428 2060 12447	385 665 1845	Circ Circ Circ	11,657-11767' CIBP @ 11860 11880-11894 CIBP @ 11920 12061-12071 CIBP @ 12011 12061-12071 CIBP 12170 12279-12293
Hagerman 14 30-015-26899	1	1650' FNL 1650' FEL 14-23S-27E	5820' PBTD 5761'	Oil Well 1/4/1992	12 1/4 7 7/8	8 5/8, 24# 5 1/2, 15.50#	575 5820	450 908	Circ Circ	5432-5593'
Miller Com 30-015-22552	1	760' FNL 2080' FWL 10-23S-27E	12,350' PBTD 11,160'	Gas Well 5/22/1978	17 1/2 12 1/4	13 3/8, 48# 10 3/4, 40.5# 7 5/8" 5"	349 5635 5410-11497 11367-12349	400 1850 770 150	Circ Circ	9896-9932

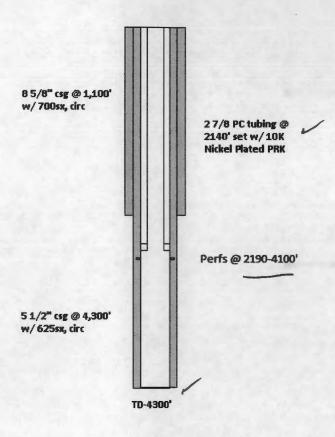
Application well

cont

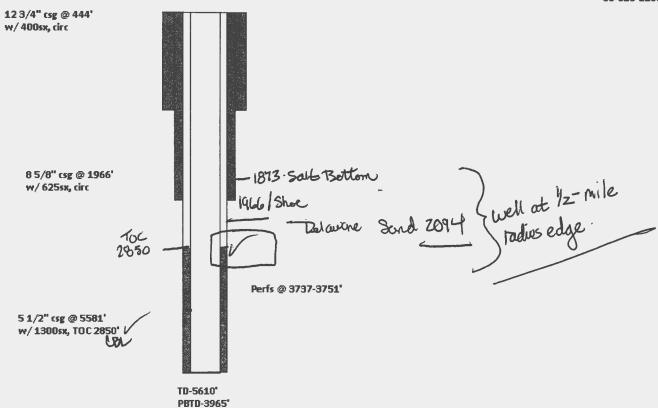
Pagez AOR Wells

	Tage Horr wens										
Cerro Com 30-015-22626	1	2080' FNL 760' FWL 11-23S 27E	12,401' PBTD 10,150'	Oil W ell 8/20/1978	17 1/2 12 1/4	13 3/8, 48# 10 3/4, 40 & 45# 7 5/8" 5"	374 5660 5321-11720 11362-12401	400 1930 1385 150	Circ Circ	7404-7425	
				17 well Enl	TUR						
				A controlled	5						

Ghost SWD #1 Sec. 15 T23S R27E 175 FNL 2000 FEL



Forehand #2 Sec. 15 T23S R27E 1880 FSL 1980 FWL 30-015-21855



Forehand #3 Sec.15 T23\$ R27E 1980 FSL 1980' FEL 30-015-22192

8 5/8" csg @ 464' w/ 275sx, circ

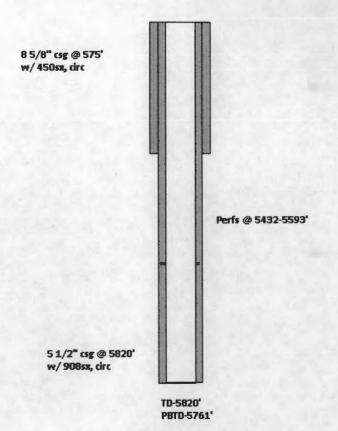


Perfs @ 3146-3974'

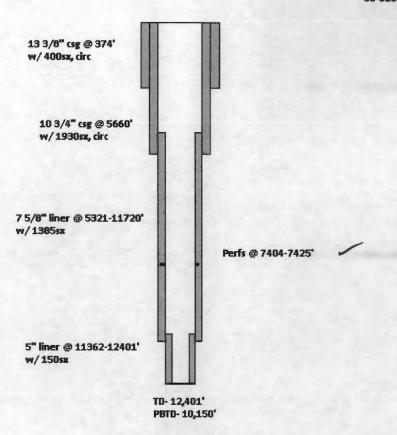
5 1/2" csg @ 3994' w/ 1160sx, Circ

> TD- 4000 PBTD-3994

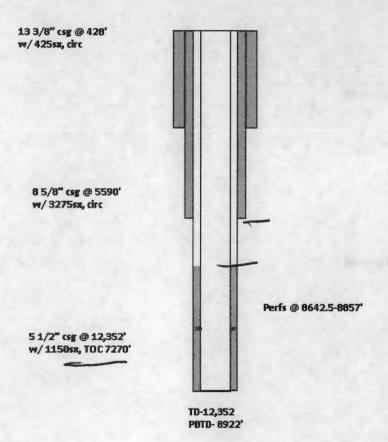
Hagerman 14 #1 Sec. 14 T23S R27E 1650' FNL 1650' FEL 30-015-26899



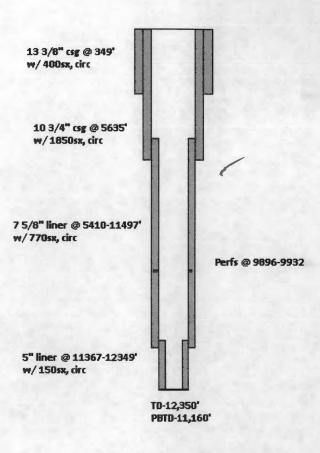
Cerro Com #1 Sec. 11 T23S R27E 2080' FNL 760' FWL 30-015-22626



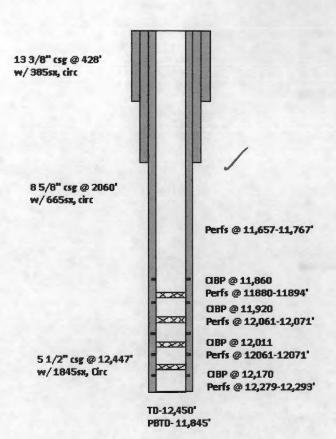
Forehand #1 Sec. 15 T23S R27E 1980 FSL 1980 FWL 30-015-21599



Miller Com #1 Sec. 10 T23\$ R27E 760' FNL 2080' FWL 30-015-22552



Ogden 15 #1 Sec. 15 T238 R27E 660' FSL 1980' FEL 30-015-34032





Water Analysis Report

Customer:	Mack Energy Corporation		Sample #:	20553	
Area:	Artesia		Analysis ID #:	19662	
Lease:	Ghost				
Location:	FW #1	0			
Sample Point:	pit				

Sampling Date:	5/29/2014	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/6/2014	Chloride:	3368.9	95.02	Sodium:	1100.0	47.85
Analyst:	Catalyst	Bicarbonate:	22.0	0.36	Magnesium:	369.6	30.4
TDS (mg/l or g/m3):	6934.3	Carbonate:	/		Calcium:	819.2	40.88
Density (g/cm3):	1.007	Sulfate:	1200.0	24.98	Potassium:	35.1	0.9
Density (gicins).	1.007				Strontium:	16.8	0.38
					Barium:	0.0	0.
Hydrogen Sulfide:	0				Iron:	0.0	0.
Carbon Dioxide:	0				Manganese:	0.000	0.
0		pH at time of sampling:		7			
Comments:		pH at time of analysis:					
		pH used in Calculation	:	7	Conductivity (mic	ura ahma/am);	10830
		Temperature @ lab con	Temperature @ lab conditions (F):			meter):	.9234

		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp		Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ 0		Anhydrite CaSO ₄		Celestite SrSO ₄		rite aSO ₄			
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount			
80	-0.71	0.00	-0.24	0.00	-0.31	0.00	-0.22	0.00	0.00	0.00			
100	-0.60	0.00	-0.25	0.00	-0.25	0.00	-0.21	0.00	0.00	0.00			
120	-0.47	0.00	-0.24	0.00	-0.17	0.00	-0.18	0.00	0.00	0.00			
140	-0.35	0.00	-0.23	0.00	-0.06	0.00	-0.15	0.00	0.00	0.00			
160	-0.22	0.00	-0.21	0.00	0.07	65.79	-0.11	0.00	0.00	0.00			
180	-0.09	0.00	-0.18	0.00	0.21	184.84	-0.07	0.00	0.00	0.00			
200	0.03	0.00	-0.14	0.00	0.36	285.78	-0.02	0.00	0.00	0.00			
220	0.15	0.70	-0.11	0.00	0.52	367.59	0.03	1.04	0.00	0.00			



10770

.9285

Water Analysis Report

Sample #:
Analysis ID #:

Customer:	Mack Energy Corporation						
Area:	Artesia						
Lease:	Ghost						
Location:	FW #2	C					
Sample Point:	pit						

0

0

Sampling Date:

Analysis Date: Analyst:

TDS (mg/l or g/m3): Density (g/cm3):

Hydrogen Sulfide:

Carbon Dioxide:

Comments:

		w				
5/29/2014	Anions	mg/l	_ meq/l	Cations	mg/l	meq/l
6/6/2014	Chloride:	3406.4	96.08	Sodium:	1165.0	50.67
Catalyst	Bicarbonate:	43.9	0.72	Magnesium:	366.4	30.14
617	Carbonate:	,		Calcium:	837.8	41.81
717 4 1.007	Sulfate:	1300.0	27.07	Potassium:	35.2	0.9
1.007				Strontium:	16.8	0.38
				Barium:	0.0	0.
				Iron:	0.0	0.
				Manganese:	0.000	0.
	pH at time of sampling:		7			
	pH at time of analysis:					
	pH used in Calculation:		7			

Conductivity (micro-ohms/cm):

Resistivity (ohm meter):

20554

19663

		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl											
Temp		alcite aCO ₃	, ,	sum 04 ^{*2H} 2 0	1	ydrite aSO ₄		estite rSO ₄		rite ISO ₄			
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount			
80	-0.41	0.00	-0.21	0.00	-0.28	0.00	-0.19	0.00	0.00	0.00			
100	-0.30	0.00	-0.22	0.00	-0.22	0.00	-0.18	0.00	0.00	0.00			
120	-0.17	0.00	-0.21	0.00	-0.13	0.00	-0.16	0.00	0.00	0.00			
140	-0.04	0.00	-0.20	0.00	-0.03	0.00	-0.13	0.00	0.00	0.00			
160	0.09	0.70	-0.17	0.00	0.10	103.01	-0.09	0.00	0.00	0.00			
180	0.23	1.39	-0.14	0.00	0.24	223.07	-0.05	0.00	0.00	0.00			
200	0.36	0.36 2.44 -0.11 0.00		0.00	0.39	325.04	0.00	0.00	0.00	0.00			
220	0.50	3.83	-0.08	0.00	0.56	408.22	0.05	1.39	0.00	0.00			

Temperature @ lab conditions (F):



Water Analysis Report

Customer:	Mack Energy Corporation	Sample #:	20555	
Area:	Artesia	Analysis ID #:	19664	
Lease:	Ghost			
Location:	FW #3	0		
Sample Point:	pit			

Sampling Date:	5/29/2014	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	6/6/2014	Chloride:	3534.9	99.71	Sodium:	1160.0	50.46
Analyst:	Catalyst	Bicarbonate:	20.7	0.34	Magnesium:	370.5	30.48
TDS (mg/l or g/m3):	7198.8	Carbonate:		l	Calcium:	859.0	42.86
Density (g/cm3):	1.007	Sulfate:	1200.0	24.98	Potassium:	34.5	0.88
Density (g/cms).	1.007				Strontium:	16.9	0.39
					Barium:	0.0	0.
Hydrogen Sulfide:	0				Iron:	0.0	0.
Carbon Dioxide:	0				Manganese:	0.000	0.
		pH at time of sampling:		7			
Comments:		pH at time of analysis:					
		pH used in Calculatio	n:	7	Canadarakhaita (mala		40040
		Temperature @ lab co	onditions (F):	75	Conductivity (mid Resistivity (ohm i	•	10810 .9251

		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl												
Temp °F		alcite aCO ₃	,,	sum 04*2H ₂ 0		ydrite aSO ₄	Celestite SrSO ₄		Barite BaSO ₄					
	Index	ex Amount Index Amount Index Amount Inde		Index	Amount	Index	Amount							
80	-0.73	0.00	-0.23	0.00	-0.30	0.00	-0.22	0.00	0.00	0.00				
100	-0.61	0.00	-0.24	0.00	-0.24	0.00	-0.21	0.00	0.00	0.00				
120	-0.49	0.00	-0.24	0.00	-0.16	0.00	-0.19	0.00	0.00	0.00				
140	-0.36	0.00	-0.22	0.00	-0.05	0.00	-0.16	0.00	0.00	0.00				
160	-0.24	0.00	-0.20	0.00	0.07	75.52	-0.12	0.00	0.00	0.00				
180	-0.11	0.00	-0.17	0.00	0.22	193.84	-0.07	0.00	0.00	0.00				
200	0.01	0.00	-0.14	0.00	0.37	294.06	-0.03	0.00	0.00	0.00				
220	0.13	0.35	-0.10	0.00	0.53	374.80	0.03	0.70	0.00	0.00				

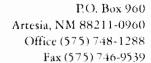


Water Analysis Report

Customer:	Mack Energy Corporation		Sample #:	20552	
Area:	Artesia	_	Analysis ID #:	19665	
Lease:	Ghost				
Location:	FW #4	0			
Sample Point:	Wellhead				

Sampling Date:	5/29/2014	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date: Analyst: TDS (mg/l or g/m3):	6/6/2014 Catalyst 7071.3	Chloride: Bicarbonate: Carbonate:	3542.4 22.0	99.92 0.36	Sodium: Magnesium: Calcium:	1144.0 369.0 837.9	49.76 30.36 41.81
Density (g/cm3): Hydrogen Sulfide: Carbon Dioxide:	0 0	Sulfate:	1100.0	22.9	Potassium: Strontium: Barium: Iron: Manganese:	35.8 16.9 0.0 0.0 0.00	0.92 0.39 0. 0. 0.
Comments:		pH at time of sampling pH at time of analysis: pH used in Calculation	on:	7	Conductivity (mic	:ro-ohms/cm):	10350
		Temperature @ lab c	onations (F):	75	Resistivity (ohm i	meter):	.9662

		Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl												
Гетр	Calcite CaCO ₃		Gypsum CaSO ₄ *2H ₂ 0		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄					
°F	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount				
80	-0.70	0.00	-0.27	0.00	-0.34	0.00	-0.25	0.00	0.00	0.00				
100	-0.59	0.00	-0.28	0.00	-0.28	0.00	-0.24	0.00	0.00	0.00				
120	-0.46	0.00	-0.28	0.00	-0.20	0.00	-0.22	0.00	0.00	0.00				
140	-0.34	0.00	-0.26	0.00	-0.09	0.00	-0.18	0.00	0.00	0.00				
160	-0.21	0.00	-0.24	0.00	0.04	34.11	-0.14	0.00	0.00	0.00				
180	-0.08	0.00	-0.21	0.00	0.18	151.75	-0.10	0.00	0.00	0.00				
200	0.04	0.00	-0.18	0.00	0.33	250.94	-0.05	0.00	0.00	0.00				
220	0.16	0.70	-0.14	0.00	0.49	330.64	0.00	0.00	0.00	0.00				





VIA CERTIFIED MAIL 7012 3460 0002 8734 3930 RETURN RECEIPT REQUESTED

Gabler Energy Investments, LLC 1008 N. CR 1110 Midland, TX 79706

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert 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.

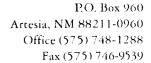
Sincerely,

MACK ENERGY CORPORATION

eana Weaver

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4036 RETURN RECEIPT REQUESTED

Catherine W. Barnhill as Trustee of the William B. Barnhill and Catherine W. Barnhill Trust P.O. Box 700968
San Antonio, TX 78270-0968

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

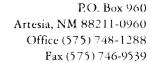
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4043 RETURN RECEIPT REQUESTED

Tierra Oil Company, LLC P.O. Box 700968 San Antonio, TX 78270-0968

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

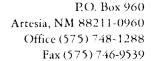
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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4050 RETURN RECEIPT REQUESTED

Santo Legado LLLP P.O. Box 1020 Artesia, NM 88210

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

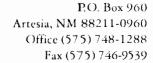
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4067 RETURN RECEIPT REQUESTED

Clayton M. Barnhill P.O. Box 2304 Roswell, NM 88202-2304

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

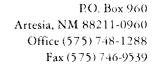
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4074 RETURN RECEIPT REQUESTED

Endurance Resources LLC 15445 Dallas Parkway, Suite 600 Addison, TX 75234

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

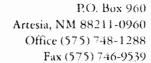
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4081 RETURN RECEIPT REQUESTED

Chevron USA, Inc. 1400 Smith Street Houston, TX 77252

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

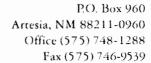
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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3985 RETURN RECEIPT REQUESTED

Yates Petroleum Corporation 105 4th Street Artesia, NM 88210-2177

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

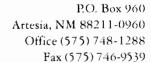
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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3992 RETURN RECEIPT REQUESTED

Abo Petroleum Corporation 105 4th Street Artesia, NM 88210-2177

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

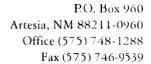
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4005 RETURN RECEIPT REQUESTED

Sharbro Oil Ltd., Co. 105 4th Street Artesia. NM 88210-2177

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

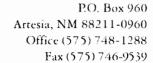
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4012 RETURN RECEIPT REQUESTED

Mulberry Partners II, LLP 105 4th Street Artesia, NM 88210-2177

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

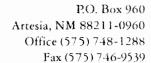
This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at 1220 South St. Francis Drive, Santa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

Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 4029 RETURN RECEIPT REQUESTED

Richard Yates 105 4th Street Artesia, NM 88210-2177

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

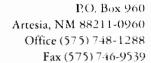
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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3947 RETURN RECEIPT REQUESTED

Commissioner of Public Lands PO Box 1148 Santa Fe, NM 87504-1148

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert 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.

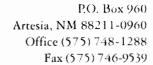
Sincerely,

MACK ENERGY CORPORATION

luna Weaver

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3954 RETURN RECEIPT REQUESTED

Curtis Kelly Skeen & Carole D. Skeen 1508 Riverside Drive 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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

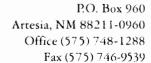
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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3961 RETURN RECEIPT REQUESTED

Jimmy Skains De Maret P.O. Box 208 Dixon, NM 87527

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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert 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.

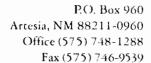
Sincerely,

MACK ENERGY CORPORATION

luna Wenver

Deana Weaver Production Clerk

DW





VIA CERTIFIED MAIL 7012 3460 0002 8734 3978 RETURN RECEIPT REQUESTED

MRC Permian Corporation 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 2190-4100'. The Ghost SWD #1 located 175 FNL & 2000 FEL, Sec. 15 T23S R27E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert 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

lana Wellver

Deana Weaver Production Clerk

DW

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 Ghost SWD #1 175 FNL & 2000 FEL of Section 15, T23S R27E, NMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon – Cherry Canyon formations at a disposal depth of 2190-4100′. Water will be injected at a maximum surface pressure of 438 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., June 13 2014 Legal No. 23043.

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 Ghost SWD #1 175 FNL & 2000 FEL of Section 15, T23S R27E, NMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon – Cherry Canyon formations at a disposal depth of 2190-4100'. Water will be injected at a maximum surface pressure of 438 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.

C-108 Review	Checklist: Re	ceivedAdd. Reques	 st:	Reply Date:	Suspended: [Ver 13]
		ımber: 1499 Permi	t Date: 09	22 Legacy Permit	ts/Orders: None
and the second s	() ()	THE SUIT	``	- /// 3 3, ·	
Well No Well Name(s)): Unost	Pedadi Sul	<u> </u>		
API: 30-015-42463	Spud Dat	e: <u>TBO</u> N	lew or Old:	(UIC Class II I	Primacy 03/07/1982)
Footages 175 FNL 2000 FI	EL Lot_	or Unit <u>B</u> Sec 15	Tsp 23	S Rge 27E	County Eddy
General Location: Sachur Co	rlebud tast	flavior Pool: S	Swo: Beli	Conver Charre	Pool No.: 96802
BLM 100K Map: Ladsbod		II / \		() ' ('ahla	
COMPLIANCE RULE 5.9: Total Wells					.9 OK? LS Date: 01/22/14
WELL FILE REVIEWED Current S	Status: New we	ell/-no ted APD/	State Sc	ndry for API	-
WELL DIAGRAMS: NEW: Proposed (A
		Before Conv. After Co	Silv. O	ogs in imaging.	
Planned Rehab Work to Well:	10W				
Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determination Method
Planned or Existing _Surface	1244 85/8	0 to 1100	Stage Tool	700	Cir. to surface
Planned_or ExistingInterm/Prod	77/8/51/2	0 to 4300	None	625	Cir. to surface
Planned_or Existing _Interm/Prod	797	_	_		
Planned_or Existing Prod/Liner	7.49975111494				
Planned_or Existing Liner		- Interior and an appropriate and a second appropriate and a second appropriate and a second appropriate and a			
Planned_for Existing _ OH (PERF	51/2	2190 to 4100'	Ini Length iQIO	Completion	/Operation Details:
Injection Stratigraphic Units:	Depths (ft)	Injection or Confining	Tops		PBTD
Adjacent Unit: Litho. Struc. Por.	\$15	1 1110		NEW TD 4300	NEW PBTD 4300
Confining Unit: Litho. Struc Por.)	+40	Lamer Line	2000	NEW Open Hole	or NEW Perfs 🕢
Proposed Inj Interval TOP:	2190	Bell Canual fina	12150	Tubing Size 27/8	in. Inter Coated? 165
Proposed Inj Interval BOTTOM:	માજ	Chemy Color the	~2900	Proposed Packer D	epth <u>2140</u> ft
Confining Unit: Litho. Struc. Por.	±90 -	Brushy College In	24190		2090 (100-ft limit)
Adjacent Unit: Litho. Struc. Por.	Selection and the selection of the selec		15550	Proposed Max. Surf	. 1 —
AOR: Hydrologic a			7.4	Admin. Inj. Press.	
POTASH: R-111-P Noticed? N					
	1	ternara e			NT By Qualified Person
NMOSE Basin: Carlsbad	CAPITAN REEF:	thru adj NAO	No. Wells w	vithin 1-Mile Radius?	FW Analys(s)
Disposal Fluid: Formation Source(s	Bone Spring	Delawae Analysis	? No-Histo	On Lease Operat	or Only For Commercial
Disposal Int: Inject Rate (Avg/Max B	3WPD): 2000/4	Protectable Water	s? No s	ource: Hystorical's	ystem: Closed or Open
HC Potential: Producing Interval?	ડિ Formerly Produ	te attached summar ucing? <u>les</u> Method:Loc	SOSTERA	Other Ores / La	2-Mile Radius Pool Map
AOR Wells: 1/2-M Radius Map?_	Ves Well List?	Total No. Wells P	enetrating In	iterval: 7 H	orizontals?
Penetrating Wells: No. Active Well	s_7_Num Repairs	s?on which well(s)?	30-015-	21835 - Contitop	Diagrams? Yes
Penetrating Wells: No. P&A Wells_		on which well(s)?	- NA		Diagrams?NA
NOTICE: Newspaper Date 06 13	Mineral	Owner Private D. L		Owner Private Burn	
DeMarch Lutis Cardo Skow SLOV RULE 26.7(A): Identified Tracts?	Endware Abo	Mulberry Place Tierry	19 April L	- Rosa Dineer	tos / R. Yotan. Date 06/11/13
	njection lenat			<u> </u>	
		1		Ω	1
Add Permit Cond: Injection 3	with within	Zyears & follow	ung IPI	; mudlog or	'Swab test in/sample

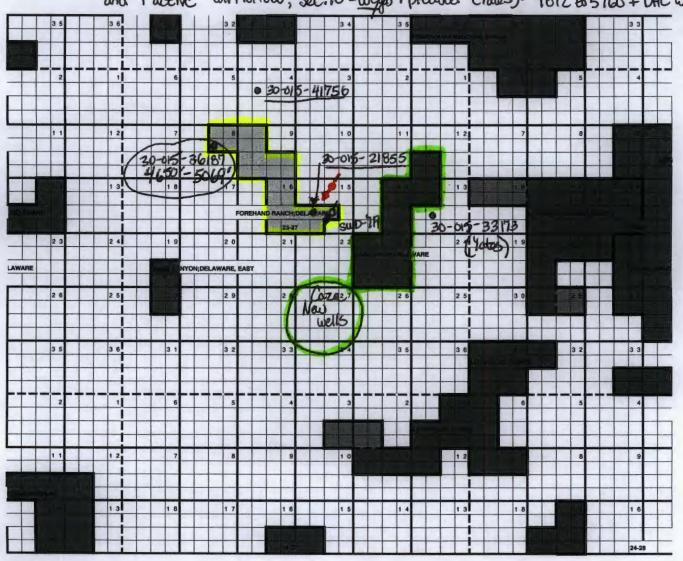
Mack - Ghost Federal 1 - 30-015-42463 Delaware Hydrocarbon Petential

Forehand Ranch; Delaware (24670)

Three producers and one SWD well (SWD-719-active) Sec. 16-two plugged Morrow wells only; Sec. 9-3 plugged Cass Draw; Delaware (10410)

New wells in Sec. 27 - Caza -Romsey SS / Bell Caragon [APDs good ETI 2015] and Bone Spring; s Sec. 12, 13, 14, and 23 - 7 PSIAd and

and I active - all Morrow; Sec. 10 - wiggs I producer (Yates) - 4812' to 5760' + DHC with BS



Swb-719 Active (30-015-22192) Forehand * 3 9/8/1998 3146' to 3974' 629 psi. IPI-213 11/10/2003 Increase to 800 BBB Forchard # 2 30-015-21855 Perfed: 3737' to 3751' (CIBP at 3965')

DSTs/ Cores/Swab show no HC potatial
in perfs for 5525' to 5337; 4608' to 4081;
and shallower (cores for 2884' to 2944'; 2097-2129;
2305' to 2345').

7/2014 - 53BO/1195 BW Over 31 days



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(R=POD has been replaced

and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE)

(acre ft per annum) C=the file is closed) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use D	iversion Owner	County	POD Number	Code Gr	ant	Source	q q q 6416 4		Tws F	₹ng	x	Y	Distance
C 01581		-IRR	8 VASQUEZ MAX M	- ED	<u>C-01561</u>				3 3 4	10	238 2	27E 57	7492	3575452*	147
C 00626	CUB	IRR	0 JOE PAUL PETSKA	ED	<u>C 00626</u>				1 2 1	15	238 2	27E 57	7088	3575241*	494
C 00508		IRR	660.75 CURTIS KELLY SKEEN ESTATE	ED	C 00508 Prod.	well; TD:19	0	Shallow	3 1 4	10	238 2	27E 57	7487	3575855*	532
C 03060	С	DOL	3 MAX VASQUEZ	ED	C 03060 DTW	:87;TD:139		Shallow	4 4 4	10	238 2	?7E 57	8098	3575460*	539
C 01595	c -	PRO	O OCDEN FARMS & CATTLE COMPANY	ED-	- C 01595				4 1	15	238 2	?7E 57	7191	3574738*	704
C 01083	С	DOM	3 JOE P. PETSKA	ED	C 01083 DTW:	45; TD: 325		Shallow	4 2	15	238 2	?7E 57	8003	3574751*	720
C 00508		IRR	660.75 CURTIS KELLY SKEEN ESTATE	ED	C 00508 S-2			Shallow	1 1 4	10	238 2	?7E 57	7487	3576055*	730
<u>C 01259</u>		EXP	0 OTIS WATERUSERS COOP.	ED.	C 01250					15	238 2	?7E 57	7393	3574528*	822
C 03766	-с-	PRO	0 JACK WAGON LLC	ED -	C 03766 POD1	NC	N		1 3 1	14	238 2	27E 57	8366	3574886 🧼	907
G 03767	- 6-	PRO	0 JACK WAGON LLC	ED-	C 03767 POD1	NC	N		1 3 1	14	238 2	?7E 57	8366	3574886 🧽	907
<u>C 03768</u>	-с	PRO	0 JACK WAGON LLC	ED -	C 03768 POD1	NC	N		1 3 1	14	238 2	?7E 57	8366	3574886 🧼	907
C 03170	 C	DOL	0 + C VASQUEZ	- ED	C 03178				2 1 1	14	238 2	?7E 57	8506	3575262*	934
C 00291		IRR	315 KELLY & MARTHA SKEEN	ED	C 00291 Prod.	well; DTW:7	'0; TD:180	Shallow	4 3 3	11	238 2	? 7E 57	8504	3575468*	940
C 00187	С	PRO	0 OGDEN FARMS AND CATTLE CO.	ED	C 00187			Shallow	3 1	15	238 2	?7E 57	6785	3574731*	990
C 00508		IRR	660.75 CURTIS KELLY SKEEN ESTATE	ED	C 00508 S			Shallow	2 1 3	10	238 2	?7E 57	6877	3576039*	994
<u>C 01168</u>		STK	3 DAVID D. CARRASCO	ED.	C 01168				2	10	238 2	? 7E 57	7783	3576560*	1247
<u>C 02001</u>	С	DOM	0 ARTURO V CHAVEZ	ED	C 02001				4 3	11	238 2	?7E 57	8806	3575573*	1255
C 02002	 Ç	DOM	0 MIKE A GREIGO	ED.	C 02002				4 3	11	238 2	27E 57	8806	3575573*	1255

*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)

Denied, cancelled, or expired permit/application;

approved but pending (active permit) and POD

consolidations for water rights

WR File Nbr	Sub		rsion Owner					q q q					
C 02113	C	DOM	3 MARGARITO N. URANGA	ED	y POD Number C 02113 DTW:80	Code Grant TD:235	Shallow			Tws Rn 23S 27		3575573*	Distance 1255
C 01562		IRR	0 VASQUEZ I G	ED.	C 01562			2 2 1	14	23S 27	E 578907	3575268*	1334
C 02456	С	DOM	3 WILLIAM TULLY CAVENDER II	ED	C 02456 DTW:60); TD:180	Shallow	4 4 3	11	23S 27	E 578905	3575472*	1338
C 00785	-cu	IRR	0 F.A. HILL	EÐ	<u>C 00785</u>			4 2 1	14	23S 27	E 578907	3575068*	1358
C 00098 A		IRR	12 BINDEL HERBERT C	ED	C 00098 A-S-3			3 2 4	09	238 27	576273	3575833*	1394
C 00068		-IRR	305 NEW MEXICO INTERSTATE STREAM COMMISSION	- ED -	<u>C 00068</u>		Shallow	1 3 1	10	23S 27	576673	3576441*	1430
C 02932	C _	DOL	3 DALE L JOHNSON	- ED	<u>C 02932</u>			1 3 1	10	23S 27	E 576673	3576441*	1430
C 00766		IRR	315 ENEA GRANDI	ED	C 00766 DTW:22	2: TD:190	Shallow	3 1 1	11	23S 27	578282	3576672*	1517
C 00607	C_	DOM-	3 DAVID D. CARRASCO	ED.	<u>C 00607</u>			1 1 2	10	23S 27	577476	3576858*	1531
C 00310 A		-IRR	150 MARTHA SKEEN	— ED	<u>C-00310</u>		Shailow	3 3 4	11	238 27	579107	3575477*	1540
C 00420	-е-	CLS 	0 CARPER DRILLING CO.	ED	<u>C-0042</u> 0	С		4 2	09	238 27	576370	3576337*	1569
<u>C 01247</u>	 C-	DOM	3-GUADALUPE CUEVARA	- ED	C-01247			3	14	238 27	578615	3574152*	1571
C 00195		IRR	582 M.E. SIBLEY	ED	C 00195		Shallow	4 1 4	09	238 27	576069	3575827*	1585

Record Count: 31

POD Search:

POD Basin: Carlsbad

UTMNAD83 Radius Search (in meters):

(acre ft per annum)

Easting (X): 577574

Northing (Y): 3575329.85

Radius: 1609

Usage Filter:

Use: All Usages

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.

9/23/14 12:03 PM

Page 2 of 2

ACTIVE & INACTIVE POINTS OF DIVERSION

Affidavit of Publication

No. State of New Mexico County of Eddy: **Danny Scott Publisher** being duly sworn, sayes that he is the 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 Consecutive weeks/day on the same day as follows: First Publication June 13, 2014 Second Publication Third Publication Fourth Publication Fifth Publication Sixth Publication Subscribed ans sworn before me this 13th day of June 2014 OFFICIAL SEAL atisha Romine NOTARY PUBLIC-STATE OF NEW MEXICO My commission expires:

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

Mack Energy Corporation, Fost Office Box 9 filed an Application with the New Mexico Offi ia, NM 88211-0960, has exico Oil Conservation Division seeking authorization to inject produced water into the Ghost SWD #1 175 FNL & 2000 FEL of Section 15, T23S R27E, NMPM, Eddy County, New Mexico. The water will be injected into the Bell Canyon – Cherry Canyon formations at a disposed of 2190-4100. Water will be injected at a maximum surface pressure of 2190-4100. depth of 2190-4100. Water will be injected at a maximum surface pressure of 438 pounds and a maximum injection rate of 4000 BWPD. Any interested part 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. esia, Najo pigo 13 2014 Legge No.

Published in the Artesia Daily Press, &