

ABOVE THIS LINE FOR DIVISION USE ONLY

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



Mack (13837)

**ADMINISTRATIVE APPLICATION CHECKLIST**

SWD Well No. 1

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 \_\_\_\_\_

RECEIVED OGD  
 2009 AUG 26 P 12:23

[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.

Jerry W. Sherrell  
 Print or Type Name

*Jerry W. Sherrell*  
 Signature

Production Clerk  
 Title

8-24-09  
 Date

jerrys@mackenergycorp.com  
 e-mail Address

**APPLICATION FOR AUTHORIZATION TO INJECT**

I. PURPOSE: \_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance  \_\_\_\_\_ Disposal \_\_\_\_\_ Storage \_\_\_\_\_  
Application qualifies for administrative approval?  Yes \_\_\_\_\_ No

II. OPERATOR: Mack Energy Corporation

ADDRESS: P.O. Box 960 Artesia, NM 88211-0960

CONTACT PARTY: Jerry W. Sherrell 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  \_\_\_\_\_ 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: Jerry W. Sherrell TITLE: Production Clerk

SIGNATURE: *Jerry W. Sherrell* DATE: 8-24-09

\* 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

OPERATOR: Mack Energy Corporation

WELL NAME & NUMBER: Romo SWD #1

WELL LOCATION: 640 FSL & 2290 FEL

UNIT LETTER O SECTION 7 TOWNSHIP 17S RANGE 29E

FOOTAGE LOCATION

WELL CONSTRUCTION DATA  
Surface Casing

WELLBORE SCHEMATIC

Hole Size: 17 1/2 Casing Size: 13 3/8 @ 375'

Cemented with: 400sx or \_\_\_\_\_ ft

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: 12 1/4 Casing Size: 8 5/8 @ 2600'

Cemented with: 775sx or \_\_\_\_\_ ft

Top of Cement: Surface Method Determined: Circulated

Production Casing

Hole Size: 7 7/8 Casing Size: 5 1/2 @ 9300'

Cemented with: 1150sx or \_\_\_\_\_ ft

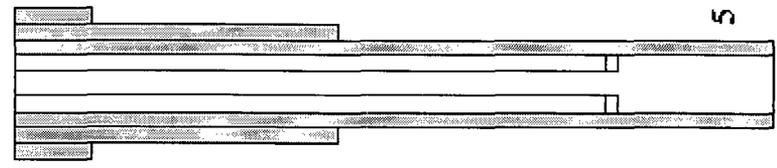
Top of Cement: Surface Method Determined: Circulated

Total Depth: 6029

Injection Interval

8,350' feet to 8,900' Perforated

(Perforated or Open Hole; indicate which)



13 3/8" casing @ 375'; cem w/ 400sx; circ

8 5/8" casing @ 2600'; cem w/ 775sx; circ

2 7/8" PC tubing @ 8250' set w/ 10k nickel plated pkr

Perfs @ 8350-8900'

5 1/2" casing @ 9300'; cem w/ 1150sx; circ

TD @ 9300'

**INJECTION WELL DATA SHEET**

Tubing Size: 2 7/8" Lining Material: Plastic Coated

Type of Packer: Arrow Set 10K Nickel Plated Packer

Packer Setting Depth: 8250'

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: Cisco

3. Name of Field or Pool (if applicable): SWD;Cisco

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Drilling Program**  
**Mewbourne Oil Company**  
Empire "7" Federal #2  
760' FSL & 660' FEL  
Section 7- T17S-R29E  
Eddy County, New Mexico  
Lease Number NM-101967

**1. The estimated top of geological markers are as follows:**

Seven Rivers	1030'
Loco Hills	2120'
San Andres	2400'
Lovington	2480'
Tubb	5190'
Abo	5895'
Wolfcamp	7130'
Cisco	8710'
Strawn	9820'
Atoka	9980'
Morrow	10120'

**2. Estimated depths of anticipated fresh water, oil, or gas:**

Water	Approximately 200'
Hydrocarbons	All zones below San Andres

**3. Pressure control equipment:**

Two thousand psi working pressure annular BOP's will be installed on the 13-3/8" surface casing. Three thousand psi working pressure BOP's and two thousand psi working pressure Hydril will be installed on the 8-5/8" intermediate casing. Pressure tests will be conducted prior to drilling out under all casing strings.

BOP controls will be installed prior to drilling under surface casing and will remain in use until completion of drilling operations. BOP's will be inspected and operated daily to insure mechanical integrity and the inspection will be recorded on the daily drilling report.

Kelly cock and a sub equipped with a full opening valve sized to fit the drill pipe and collars will be available on the rig floor in the open position when the kelly is not in use.

AREA OF REVIEW WELL DATA

LEASE	WELL#	LOCATION	TD (PBTD)	TYPE & DATE DRILLED	SIZE	HOLE CASING SIZE & WEIGHT	SETTING DEPTH	SX CMT	TOC	PERFS
Romo SWD	1	640' FSL 2260' FEL 7-17S-29E	9,300'	SWD Pending	17 1/2 12 1/4 7 7/8	13 3/8, 48# 8 5/8, 32# 5 1/2, 17#	375' 2600' 9300'	400 775 1150	Circ Circ Circ	8350-8900'
Warp Speed Fed com	1	2280' FNL 1930' FWL 7-17S-29E	10,885' 10,345'	Gas Well 6/5/2001	14 3/4 11 7 7/8	11 3/4, 42# 8 5/8, 32# 5 1/2, 17#	472' 2647' 10,886'	325 830 1400	0 0 0	10,426-10,550' CIBP @ 10,380' w/35' cmt cap
Empire 7 Federal	2	760' FSL 660' FEL 7-17S-29E	10,700' 10,621'	Gas Well 11-23-2002	17 1/2 12 1/4 7 7/8	13 3/8, 48# 8 5/8, 32# 5 1/2, 17#	224' 3597' 10,700'	450 1040 1750	0 0 2895	10,465-10,509'
Empire 7 Federal	1	760' FSL 1750' FWL 7-17S-29E	10,758' 10,632'	Gas Well 5-18-2000	17 1/2 12 1/4 7 7/8	13 3/8, 48# 8 5/8, 32# 5 1/2, 17#	200' 2600' 10,758'	450 1040 1875	0 0 0	10,446-10,470'
Green "B"	11	1780' FSL 2080' FEL 7-17S-29E	10,670' 10,602'	Gas Well 5-31-1981	17 1/2 11 7 7/8	13 3/8, 54.5# 8 5/8, 32# 5 1/2, 15.5#, 17#	314' 2675' 10,670'	500 1450 825	0 0 6900	10,240-10,581'
Green "B"	10	1980' FNL 2310' FEL 18-17S-29E	10,720' 10,684'	Gas Well 4/23/1980	17 1/2 11 7 7/8	13 3/8, 77# 5/8, 32# 1/2, 15.5#, 17#	328' 2646' 10,720'	325 1100 700	0 0 0	10,466-10,476' CIBP @ 10,550' 10,604-10,613' 10,617-10,630'

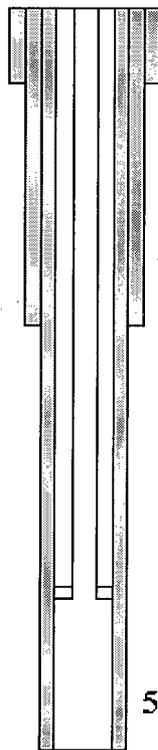
✓ TA ✓ ✓ ✓ ✓

Drif 5, 7



*After*

Romo SWD #1  
Sec. 7 T17S R29E



13 3/8" casing @ 375'; cem w/ 400sx; circ

8 5/8" casing @ 2600'; cem w/ 775sx; circ

2 7/8" PC tubing @ 8250' set  
w/ 10k nickel plated pkr

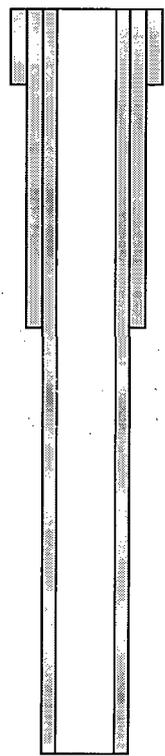
Perfs @ 8350-8900'

5 1/2" casing @ 9300'; cem w/ 1150sx ; circ

TD @ 9300'

*Before*

Romo SWD #1  
Sec. 7 T17S R29E



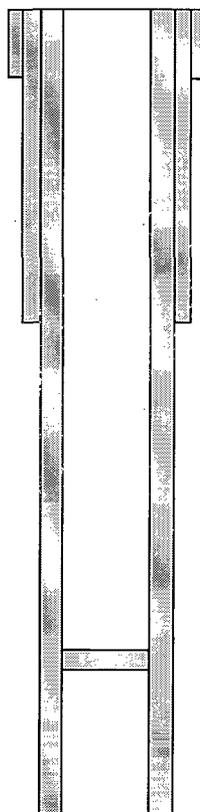
13 3/8" casing @ 375'; cem w/ 400sx; circ

8 5/8" casing @ 2600'; cem w/ 775sx; circ

5 1/2" casing @ 9300'; cem w/ 1150sx; circ

TD @ 9300'

Warp Speed Fed. Com #1  
Sec. 7 T17S R29E  
30-015-31476



11 3/4" casing @ 472'; cem w/ 325sx; circ

8 5/8" casing @ 2647'; cem w/ 830sx; circ

5 1/2" casing @ 10,886'; cem w/ 1400sx; circ

CIBP @ 10,380'  
w/ 35' cem cap

Perfs @ 10,426-10,550'

TD 10,885'

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

CIST

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Mewbourne Oil Company 14744

3. Address and Telephone No.

PO Box 5270, Hobbs, N.M. 88241 505-393-5905

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

760' FSL & 660' FEL Sec.7 T-17S R-29E

*UT. P*

5. Lease Designation and Serial No.  
NM 101967

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Empire 7 Federal #2

9. API Well No.

*30-015-32561*

10. Field and Pool, or Exploratory Area

Empire South Morrow

11. County or Parish, State

Eddy, NM

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

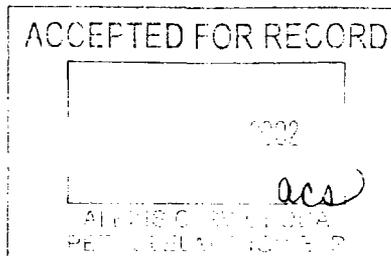
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>TD &amp; ran Production Csg.</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

11/23/02...TD'ed 7 7/8" hole @ 10700'. Ran E-Logs. Ran 10700' 5 1/2" 17# N&P110 LT/C csg. Cemented 1st stage w/250 sks 65/35 'H'/Poz w/ additives. Mixed @ 12.7 #/g w/ 1.86 yd. Tailed w/ 300 sks 'H' w/ additives. Mixed @ 15.1 #/g w/ 1.28 yd. Circ 6 hrs between stages. DV Tool @ 8345'. Cemented 2nd stage w/ 1100 sks 65/35 'H'/Poz w/ additives. Mixed @ 12.7 #/g w/ 1.86 yd. Tailed w/ 100 sks 'H' neat. Mixed @ 15.8 #/g w/ 1.18 yd. Set Slips & NU wellhead.

11/25/02...Release rig.



14. I hereby certify that the foregoing is true and correct

Signed *[Signature]* Title NM Young District Manager Date 11/26/02

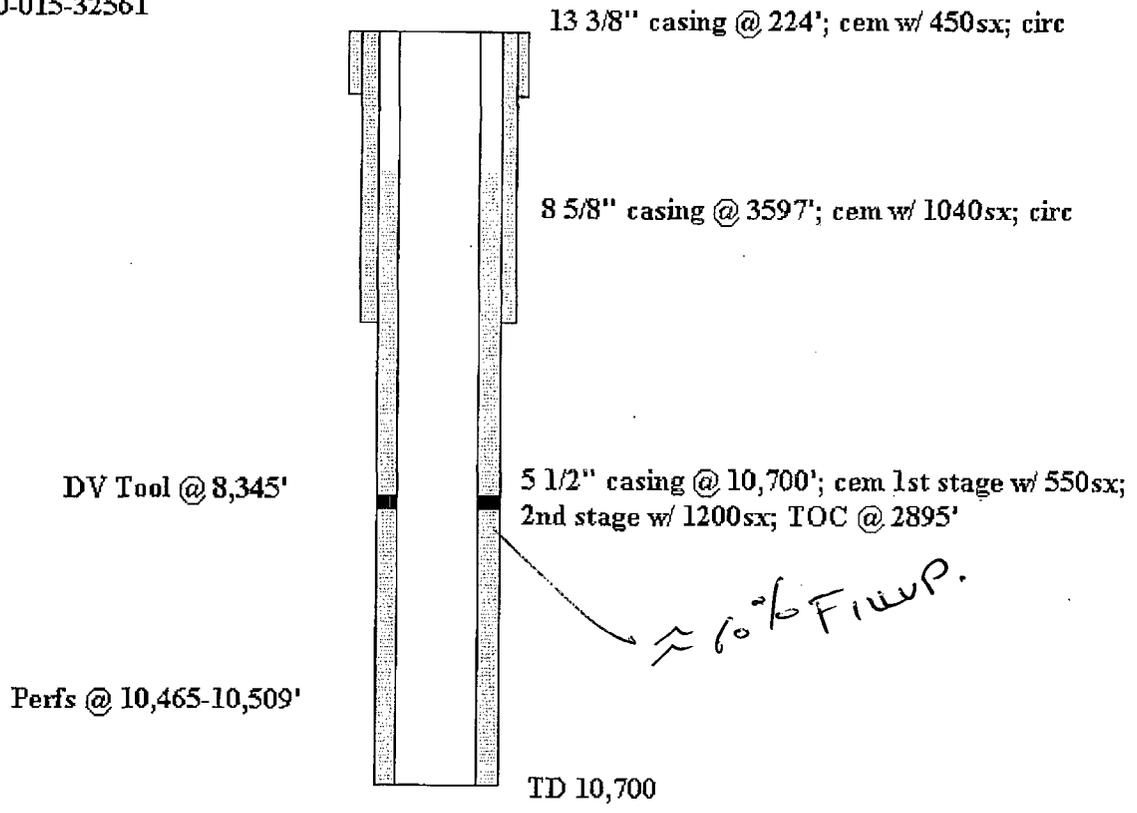
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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

Empire 7 Federal #2  
Sec. 7 T17S R29E  
30-015-32561



13 3/8" casing @ 224'; cem w/ 450sx; circ

8 5/8" casing @ 3597'; cem w/ 1040sx; circ

DV Tool @ 8,345'

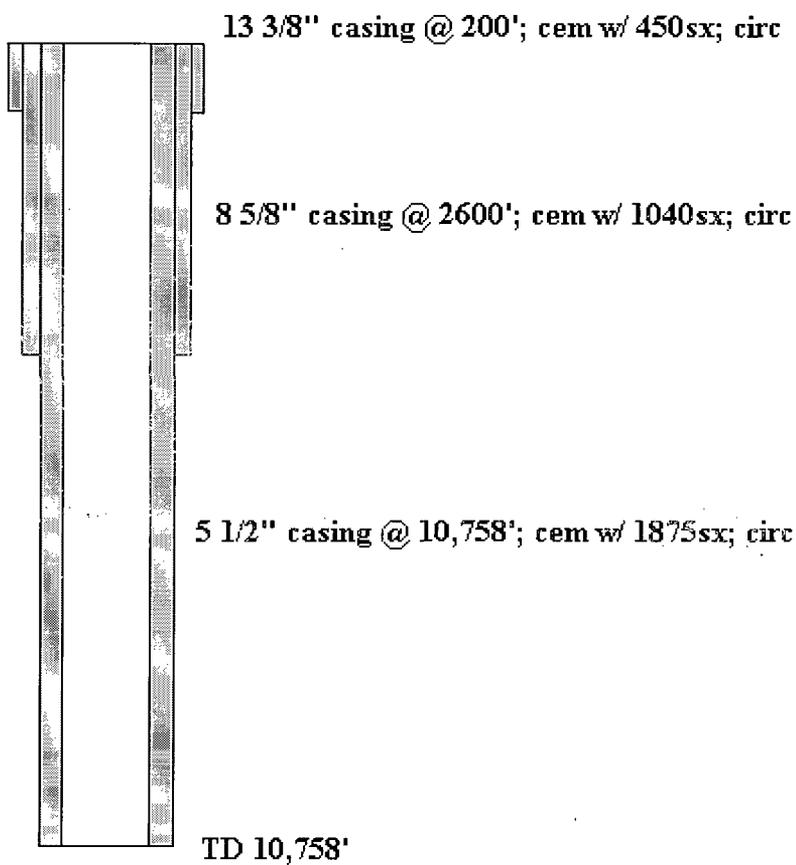
5 1/2" casing @ 10,700'; cem 1st stage w/ 550sx;  
2nd stage w/ 1200sx; TOC @ 2895'

≈ 60% FIWP.

Perfs @ 10,465-10,509'

TD 10,700

**Empire 7 Federal #1  
Sec. 7 T17S R29E  
30-015-31134**





Green "B" #10  
Sec. 18 T17S R29E  
30-015-23209

13 3/8" casing @ 328'; cem w/ 325sx; circ

8 5/8" casing @ 2646'; cem w/ 1100sx; circ

Perfs 10,466-10,476'

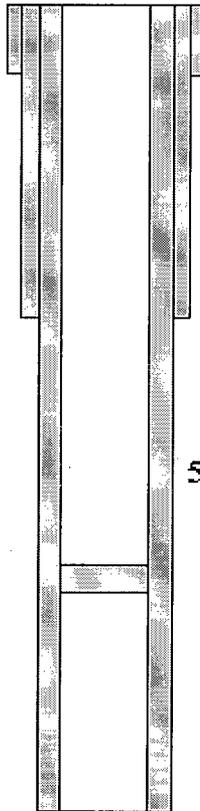
CIBP @ 10,550'  
w/35' cem cap

5 1/2" casing @ 10720'; cem w/700sx; circ

Perfs 10,604-10,613'

Perfs 10,617-10,630'

TD 10,720'



Romo SWD #1  
990 FSL & 2310 FEL, Sec. 7 T17S R29E  
Formation Tops

Quaternary	Surface	Wolfcamp	7140'
Yates	830'	Cisco	8100'
Queen	1650'	Strawn	9450'
Grayburg	2050'		
San Andres	2400'		
Glorieta	3800'		
Tubb	5260'		
Abo	5900'		

## VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected;  
**Average 1000/Maximum 4000 BWPD**
2. The system is closed or open;  
**Closed**
3. Proposed average and maximum injection pressure;  
**0-1670#**
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

### Devonian

1. Lithologic Detail; **Dolomite**
2. Geological Name; **SWD;Cisco**
3. Thickness; **550'**
4. Depth; **8,350-8,900'**

## IX. PROPOSED STIMULATION PROGRAM

1. To be treated with 10,000 gallons 15% acid

## X. LOGS AND TEST DATA

1. Well data will be filed with OCD.

## XI. ANALYSIS OF FRESHWATER WELLS

1. Information Attached.

## XII. AFFIRMATIVE STATEMENT

RE: Romo 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: 8/25/09

  
\_\_\_\_\_  
Charles Sadler, Geologist



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

### Water Analysis Report

Company: Mack Energy Corporation      Sample #: 14483  
 Area: Artesia      Analysis ID #: 2147  
 Lease: Romo  
 Location: #1/FW      0  
 Sample Point: Wellhead

<b>Sampling Date:</b> 7/29/2009	<b>Anions</b>	<b>mg/l</b>	<b>meq/l</b>	<b>Cations</b>	<b>mg/l</b>	<b>meq/l</b>
<b>Analysis Date:</b> 8/5/2009	<b>Chloride:</b>	32.0	0.9	<b>Sodium:</b>	16.8	0.73
<b>Analyst:</b> Mitchell	<b>Bicarbonate:</b>	103.9	1.7	<b>Magnesium:</b>	9.4	0.77
<b>TDS (mg/l or g/m3):</b> 229.6	<b>Carbonate:</b>	0.0	0.0	<b>Calcium:</b>	35.5	1.77
<b>Density (g/cm3):</b> 1	<b>Sulfate:</b>	32.0	0.67	<b>Strontium:</b>		
Hydrogen Sulfide: 0				<b>Barium:</b>		
Carbon Dioxide: 0				<b>Iron:</b>	0.0	0.0
<b>Comments:</b>	<b>pH at time of sampling:</b>		7	<b>Manganese:</b>	0.030	0.0
	<b>pH at time of analysis:</b>					
	<b>pH used in Calculation:</b>		7	<b>Conductivity (micro-ohms/cm):</b>		522
	<b>Temperature @ lab conditions (F):</b>		75	<b>Resistivity (ohm meter):</b>		19.1571

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

Temp	Calcite CaCO <sub>3</sub>		Gypsum CaSO <sub>4</sub> ·2H <sub>2</sub> O		Anhydrite CaSO <sub>4</sub>		Celestite SrSO <sub>4</sub>		Barite BaSO <sub>4</sub>	
	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	-0.85	0.00	-2.26	0.00	-2.33	0.00	0.00	0.00	0.00	0.00
100	-0.70	0.00	-2.25	0.00	-2.25	0.00	0.00	0.00	0.00	0.00
120	-0.55	0.00	-2.23	0.00	-2.15	0.00	0.00	0.00	0.00	0.00
140	-0.38	0.00	-2.20	0.00	-2.03	0.00	0.00	0.00	0.00	0.00
160	-0.20	0.00	-2.16	0.00	-1.89	0.00	0.00	0.00	0.00	0.00
180	-0.02	0.00	-2.12	0.00	-1.74	0.00	0.00	0.00	0.00	0.00
200	0.17	2.45	-2.07	0.00	-1.57	0.00	0.00	0.00	0.00	0.00
220	0.36	5.26	-2.02	0.00	-1.39	0.00	0.00	0.00	0.00	0.00

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico**

**Section 18: N/2,**

**Last Instrument: 754/92 Recorded: 7/29/2008**

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**Lease # 1: N/2,**

Federal Oil & Gas Lease: NMNM 14847

Date Issued: 11/3/1933

Royalty Rate: 1/8

Held By Production:

**N/2,**

**As to the Cisco Formation**

**Working Interest Owner**

ConocoPhillips Company ✓

P.O. Box 2197

Houston, TX 77252

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico**

**Section 17: NW/4NW/4,**

**Last Instrument: 722/1194 Recorded: 5/30/2008**

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**Lease # 1: NW/4NW/4,**

Federal Oil & Gas Lease: NMNM 0397623

Date Issued: 7/1/1949

Royalty Rate: 1/8

Held By Production:

**NW/4NW/4,**

**As to the Cisco Formation**

**Working Interest Owner**

COG Oil & Gas LP

550 W. Wall, Ste 1300 ✓

Midland, TX 79701

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico**

**Section 13 : NE/4,**

**Last Instrument: 772/364 Recorded:4/1/2009**

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**Lease # 1: NE/4,**

State Oil & Gas Lease: K-3630-3  
Date Issued: 10/15/1963  
Royalty Rate: 1/8  
Held By Production:

**NE/4,  
As to the Cisco Formation**

**Working Interest Owners**

Harvey E. Yates Company, et al  
P.O. Box 1933  
Roswell, NM 88202

**NOTE:** The E/2, is subject to the following:

- 1: Joint Operating Agreement dated 9/15/1981, by and between Harvey E. Yates Company, as Operator, and Inexco Oil Company, et al as Non-Operators. The Joint Operating Agreement appears to cover depths from 2,300' to 10,896'.
- 2: Communitization Agreement dated 7/26/1982 declaring Harvey E. Yates Company, as Operator, as to the Morrow Formation.

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico**

**Section 12 : SE/4NE/4, N/2SE/4, SE/4SE/4,**

**Last Instrument: 704/109 Recorded: 7/30/2007**

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**Lease # 1: SE/4NE/4, N/2SE/4, SE/4SE/4,**

State Oil & Gas Lease: V-3138-1  
Date Issued: 11/1/1989  
Royalty Rate: 1/6  
Held By Production:

**SE/4NE/4, N/2SE/4, SE/4SE/4,  
As to the Cisco Formation**

**Working Interest Owners**

Chase Oil Corporation  
P.O. Box 1767  
Artesia, NM 88211

McCombs Energy, LTD  
5599 San Felipe, Ste 1200  
Houston, TX 77056

Robert C Chase  
P.O. Box 297  
Artesia, NM 88211

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

Richard L Chase  
P.O. Box 359  
Artesia, NM 88211

MEC Petroleum Corp.  
P.O. Box 11265  
Midland, TX 79702

Gerene Dianne Chase Ferguson / DISP  
P.O. Box 693  
Artesia, NM 88211

Marbob Energy Corporation  
P.O. Box 217  
Artesia, NM 88210

COG Oil & Gas LP  
550 W. Wall, Ste 1300  
Midland, TX 79701

Pitch Energy Corporation  
P.O. Box 304  
Artesia, NM 88211

Nadel & Gussman Permian, LLC  
601 N. Marienfeld, Ste 508  
Midland, TX 79701

**NOTE:** The S/2, Sec. 12, T17S, R28E is subject to that certain Operating Agreement dated 02/07/2005 between Nadel and Gussman Permian, LLC as Operator and Murchison Oil & Gas, Inc. and Chase Oil Corporation, et al as Non-Operators covering depths from 3,000 feet to 100 feet below total depth drilled in the initial test well.

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico**

**Section 8: SW/4, W/2SE/4,**

**Last Instrument: 741/35 Recorded: 5/30/2008**

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**Lease # 1: N/2SW/4, SE/4SW/4, W/2SE/4,**

State Oil & Gas Lease: E-6353-1  
Date Issued: 7/10/1952  
Royalty Rate: 1/8  
Held By Production:

**N/2SW/4, SE/4SW/4, SW/4SE/4,**

**As to the Cisco Formation**

**Working Interest Owner**

BP America Production Company  
P.O. Box 3092  
Houston, TX 77253

**NW/4SE/4,**

**As to the Cisco Formation**

EOG Resources Inc.  
P.O. Box 2267  
Midland, TX 79702

**Lease # 2: SW/4SW/4,**

State Oil & Gas Lease: NMNM 101697  
Date Issued: 11/3/1933  
Royalty Rate: 1/8  
Held By Production:

**SW/4SW/4,**

**As to the Cisco Formation**

**Working Interest Owners**

Harvey E. Yates Company  
Yates Energy Corporation  
Explorers Petroleum  
Fred G. Yates Inc. ✓  
Harvey E. Yates  
P.O. Box 1933  
Roswell, NM 88202

Nadel & Gussman Capitan, LLC ✓  
15 East 5th Street, Ste 3200  
Tulsa, OK 74103

**Leasehold Takeoff**

**August 3, 2009**

**Township 17 South, Range 29 East, NMPM, Eddy County, New Mexico**

**Section 7: S/2N/2, S/2,**

**Last Instrument: 771/996 Recorded: 3/27/2009**

---

**Lease # 1: SE/4NE/4,**

Federal Oil & Gas Lease: NMLC 028480-B  
Date Issued: 11/3/1933  
Royalty Rate: Sliding Schedule "D"  
Held By Production:

**Lease # 2: SW/4NE/4, S/2NW/4,**

Federal Oil & Gas Lease: NMNM 14847  
Date Issued: 11/3/1933  
Royalty Rate: Sliding Schedule "D"  
Held By Production:

**S/2N/2,**

**As to the Cisco Formation**

**Working Interest Owner**

EOG Resources Inc. ✓  
P.O. Box 2267  
Midland, TX 79702

**Lease # 3: S/2,**

Federal Oil & Gas Lease: NMNM 101697  
Date Issued: 11/3/1933  
Royalty Rate: 1/8  
Held By Production:

**S/2,**

**As to the Cisco Formation**

**Working Interest Owners**

Mewbourne Oil Company  
3MG Corporation  
CWM 2000-B, Ltd. ✓  
Mewbourne Energy Partners 02-A, LP ✓  
Mewbourne Development Corporation  
P.O. Box 7698  
Tyler, TX 75711

Aspen Oil, Inc. ✓  
P.O. Box 1706  
Hobbs, NM 88241

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 Romo SWD #1 640 FSL & 2260 FEL of Section 7, T17S R29E, NMPM, Eddy County, New Mexico. The water will be injected into the Cisco formation at a disposal depth of 8,350-8,900'. Water will be injected at a maximum surface pressure of 1670 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Jerry W. Sherrell 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.

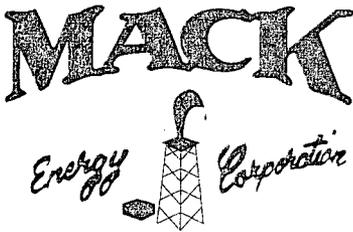
New Mexico 88211-0960 or call (575)748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.

Published in the Artesia Daily Press, Artesia, NM August 12, 2009.  
Legal No. 20807

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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 Romo SWD #1 640 FSL & 2260 FEL of Section 7, T17S, R29E, NMPM, Eddy County, New Mexico. The water will be injected into the Cisco formation at a disposal depth of 8,350-8,900'. Water will be injected at a maximum surface pressure of 1670 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Jerry W. Sherrell at Mack Energy Corporation, Post Office Box 960, Artesia,

Published Thursday August 13, 2009  
Artesia Daily Press



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3123**  
**RETURN RECEIPT REQUESTED**

Mewbourne Oil Company  
P.O. Box 7698  
Tyler, TX 75711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCED to drill this 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.

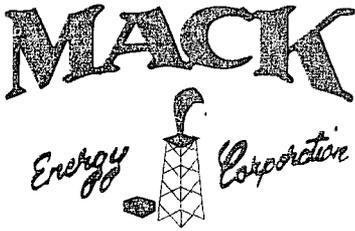
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3130**  
**RETURN RECEIPT REQUESTED**

3MG Corporation  
P.O. Box 7698  
Tyler, TX 75711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

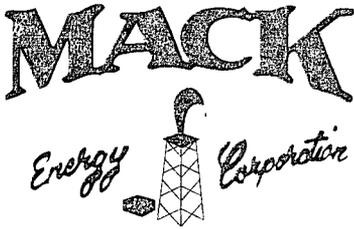
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3147**  
**RETURN RECEIPT REQUESTED**

CWM 2000-B, Ltd.  
P.O. Box 7698  
Tyler, TX 75711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

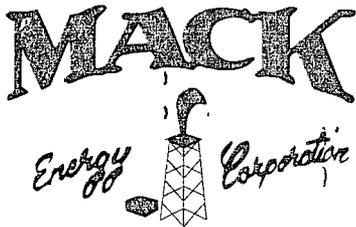
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3154**  
**RETURN RECEIPT REQUESTED**

Mewbourne Energy Partners 02-A, LP  
P.O. Box 7698  
Tyler, TX 75711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCDD to drill this 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.

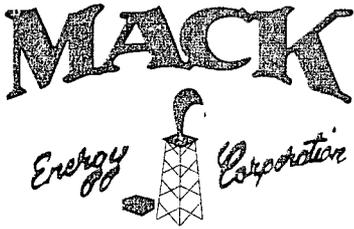
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3161**  
**RETURN RECEIPT REQUESTED**

Mewbourne Development Corporation  
P.O. Box 7698  
Tyler, TX 75711

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

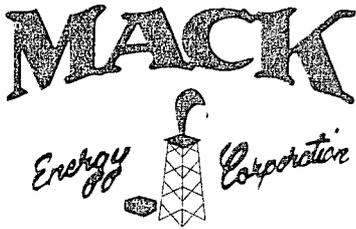
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3178**  
**RETURN RECEIPT REQUESTED**

Aspen Oil, Inc.  
P.O. Box 1706  
Hobbs, NM 88241

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

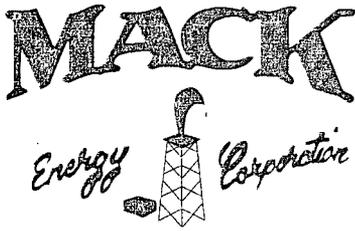
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3185**  
**RETURN RECEIPT REQUESTED**

Nadel & Gussman Capitan, LLC  
15 East 5<sup>th</sup> Street, Ste 3200  
Tulsa, OK 74103

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

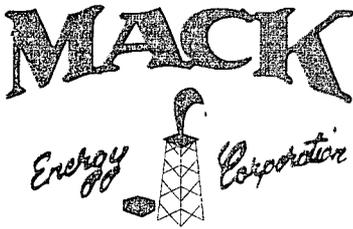
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3208**  
**RETURN RECEIPT REQUESTED**

Harvey E. Yates Company  
P.O. Box 1933  
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

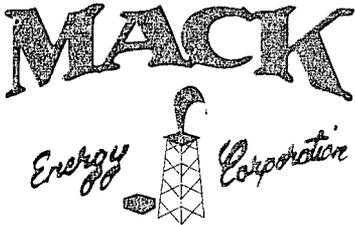
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3192**  
**RETURN RECEIPT REQUESTED**

BP America Production Company  
P.O. Box 3092  
Houston, TX 77253

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

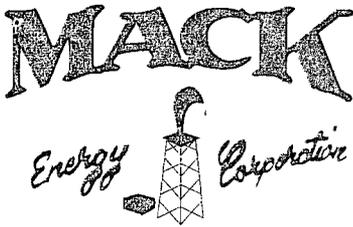
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3222**  
**RETURN RECEIPT REQUESTED**

Explorers Petroleum  
P.O. Box 1933  
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

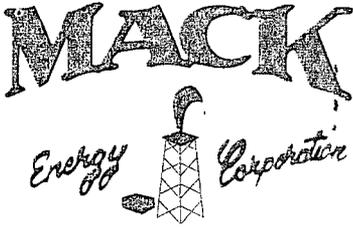
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3215**  
**RETURN RECEIPT REQUESTED**

Yates Energy Corporation  
P.O. Box 1933  
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCDD to drill this 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.

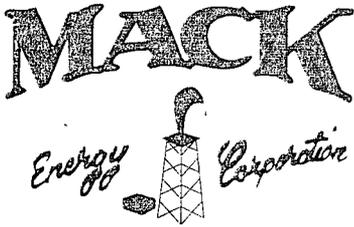
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3246**  
**RETURN RECEIPT REQUESTED**

Harvey E. Yates  
P.O. Box 1933  
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

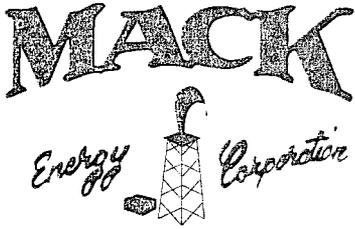
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3239**  
**RETURN RECEIPT REQUESTED**

Fred G. Yates Inc.  
P.O. Box 1933  
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

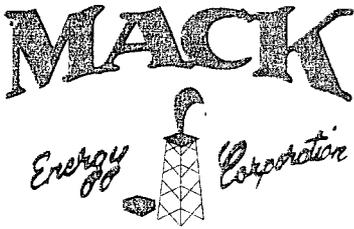
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3260**  
**RETURN RECEIPT REQUESTED**

Nadel & Gussman Permian, LLC  
601 N. Marienfeld, Ste 508  
Midland, TX 79701

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

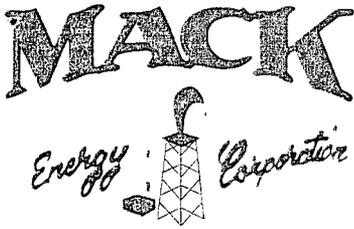
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3253**  
**RETURN RECEIPT REQUESTED**

COG Oil & Gas LP  
550 W. Wall, Ste 1300  
Midland, TX 79701

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Cisco SWD well. Produced water will be injected at a proposed depth of 8,350-8,900'. The Romo SWD #1, located 640 FSL & 2290 FEL, Sec. 7, T17S R29E, Eddy County.

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

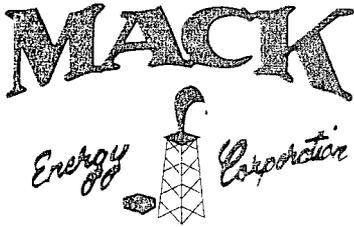
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3284**  
**RETURN RECEIPT REQUESTED**

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

Gentlemen:

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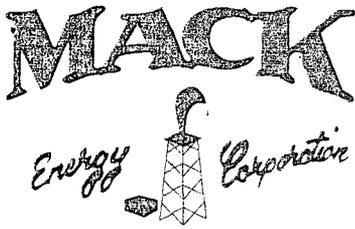
Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3277**  
**RETURN RECEIPT REQUESTED**

McCombs Energy, LTD  
5599 San Felipe, Ste 1200  
Houston, TX 77056

Gentlemen:

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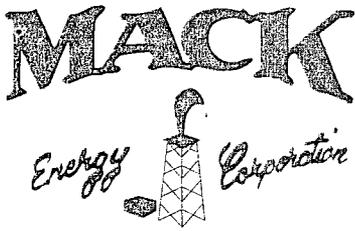
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August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3291**  
**RETURN RECEIPT REQUESTED**

MEC Petroleum Corp.  
P.O. Box 11265  
Midland, TX 79702

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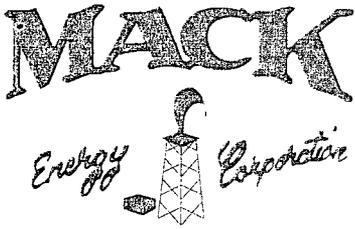
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Production Clerk

JWS\dw



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Fax (575) 746-9539

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3321**  
**RETURN RECEIPT REQUESTED**

Pitch Energy Corporation  
P.O. Box 304  
Artesia, NM 88211

Gentlemen:

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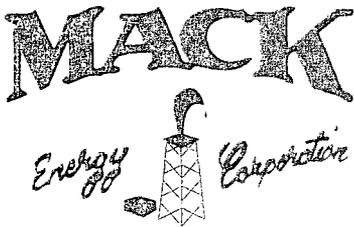
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MACK ENERGY CORPORATION

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Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3307**  
**RETURN RECEIPT REQUESTED**

Marbob Energy Corporation  
P.O. Box 217  
Artesia, NM 88210

Gentlemen:

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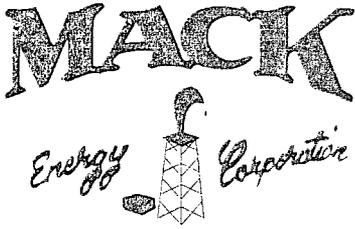
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Jerry W. Sherrell  
Production Clerk

JWSldw



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

August 24, 2009

**VIA CERTIFIED MAIL 7009 0820 0002 1408 3314**  
**RETURN RECEIPT REQUESTED**

ConocoPhillips Company  
P.O. Box 2197  
Houston, TX 77252

Gentlemen:

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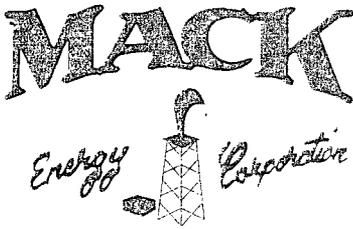
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Jerry W. Sherrell  
Production Clerk

JWS\dw



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

August 24, 2009

)  
)  
**VIA CERTIFIED MAIL 7009 0820 0002 1408 3345**  
**RETURN RECEIPT REQUESTED**

Bureau of Land Management  
620 E. Greene Street  
Carlsbad, NM 88220-6292

Gentlemen:

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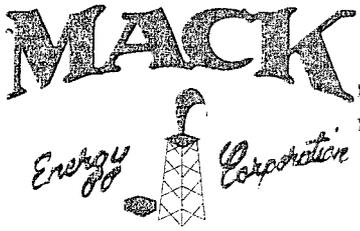
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Production Clerk

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Fax (575) 746-9539

August 24, 2009

**VIA CERTIFIED MAIL 7004 2510 0004 3033 1713**  
**RETURN RECEIPT REQUESTED**

EOG Resources Inc.  
PO Box 2267  
Midland, TX 79702

Gentlemen:

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Jerry W. Sherrell  
Production Clerk

JWS\dw

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Friday, August 28, 2009 2:08 PM  
**To:** 'Jerry Sherrell'  
**Cc:** Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; 'Wesley\_Ingram@blm.gov'  
**Subject:** SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

Hello Mr. Jerry:

It appears Mack Energy Corp wants a permit to inject just in case this well is a duster and does not produce oil from the Cisco formation? The reported tops of the Cisco in surrounding wells (if correct) indicate this may be a high place in structure. Also there are surrounding Bear Grass Draw Cisco Oil (1 mile south) Pool, East Red Lake Upper Penn Oil Pool (1 mile east). There is also Wolfcamp and Abo oil production to the west and south – so maybe this will be a paying well instead of a place to get rid of waste water.

1. Please ask Charles, Are you sure these depths will be the Cisco? Or could it be the Wolfcamp? (Your tops appear to be much higher than tops in the well file for a well directly to the east of this proposed location). If this is really Wolfcamp, you would need to redo the C-108 and the formal notices. The Cisco top should be verified after the well is drilled with Jacqui Reeves in the Artesia OCD office.
2. Would you please research the AOR wells for the DV stage tool setting depths and put these on the wellbore diagrams along with the cement tops (calculated if necessary) above and below the DV tool.
3. Prior to this permit being effective, the SWD permit will require you to turn in a mudlog and/or swab test results over this proposed disposal interval.
4. Please let me know which types (the formation names) of waters would be disposed into this well (Section VII #4).
5. In your best estimate, when will you have an approved APD and an API number? Our database is keyed in part on API numbers, but we can put it in later if necessary.

Thank you for having Charles Sadler (as geologist) sign off on the “affirmative statement” and to Rick Lanning for the details on ownership around this well. And thanks for the wellbore diagrams in addition to the spreadsheet information.

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

**Jones, William V., EMNRD**

---

**From:** Deana Weaver [deanap@mackenergycorp.com]  
**Sent:** Friday, September 04, 2009 9:53 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Jerry Sherrell; Matt Brewer; Charles Sadler  
**Subject:** RE: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

Mr. William Jones

The formations that will be disposing into the Romo SWD #1 are the #97627 Ishee Lake and the #97197 County Line Tank; Abo. We are positive the well will be in the Cisco formation, this will be confirmed after drilling.

We are estimating 3 weeks for an approved APD and API number.

I hope this answers all your questions, if not please feel free to contact me.

Thank you

*Deana Weaver*

Mack Energy Corporation  
575-748-1288 Phone  
575-746-9539 Fax  
[deanap@mackenergycorp.com](mailto:deanap@mackenergycorp.com)



---

**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Thursday, September 03, 2009 11:35 AM  
**To:** Deana Weaver; Reeves, Jacqueta, EMNRD  
**Cc:** Jerry Sherrell  
**Subject:** RE: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

Deana:

Thanks for this info and the research

Now I need to get a confirmation from Jacqui on the formation tops and must wait for answers from you guys to the other questions.

Take care,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis

---

**From:** Deana Weaver [mailto:deanap@mackenergycorp.com]  
**Sent:** Monday, August 31, 2009 11:15 AM  
**To:** Jones, William V., EMNRD  
**Cc:** Jerry Sherrell  
**Subject:** RE: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

Mr. William Jones

After researching the AOR wells for the DV stage tool depths, I have found one well with a DV tool. Attached is a wellbore diagram of the Empire 7 Federal #2. On the diagram you will see the depth of the DV tool and stages of cement.

Thank you

*Deana Weaver*

Mack Energy Corporation  
575-748-1288 Phone  
575-746-9539 Fax  
[deanap@mackenergycorp.com](mailto:deanap@mackenergycorp.com)



---

**From:** Jerry Sherrell  
**Sent:** Friday, August 28, 2009 2:20 PM  
**To:** Charles Sadler; Matt Brewer  
**Cc:** Deana Weaver  
**Subject:** FW: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

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**From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]  
**Sent:** Friday, August 28, 2009 2:08 PM  
**To:** Jerry Sherrell  
**Cc:** Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Reeves, Jacqueta, EMNRD; Wesley\_Ingram@blm.gov  
**Subject:** SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

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Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

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**Jones, William V., EMNRD**

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**From:** Deana Weaver [deanap@mackenergycorp.com]  
**Sent:** Friday, August 28, 2009 2:50 PM  
**To:** Jones, William V., EMNRD  
**Cc:** Matt Brewer; Charles Sadler; Jerry Sherrell  
**Subject:** RE: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

Mr. William Jones

In response to your questions. This well is being drilled as a disposal well, not a oil well. One mile west of this proposed well is the Big George State #3 Sec. 12 T17S R28E 1650 FSL 1650 FEL it is a Cisco disposal. The Romo SWD #1 will be disposing in the same formation and is down dip from the Big George State #3. I will research the information to the AOR DV stage tool depths and cement. If you have any more questions regarding this please feel free to email me.

Thank you

*Deana Weaver*

Mack Energy Corporation  
575-748-1288 Phone  
575-746-9539 Fax  
[deanap@mackenergycorp.com](mailto:deanap@mackenergycorp.com)



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**Sent:** Friday, August 28, 2009 2:20 PM  
**To:** Charles Sadler; Matt Brewer  
**Cc:** Deana Weaver  
**Subject:** FW: SWD application from Mack Energy Corp: proposed Romo SWD #1 30-015-NA Cisco Interval 8350 - 8900

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Injection Permit Checklist (8/14/09)

Case SWD 1190 WFX PMX IPI Permit Date 9/11/09 UIC Qtr (J.A.S.)

# Wells 1 Well Name: RDMO SWD #1

API Num: (30-) None yet Spud Date: New New/Old: N (UIC primacy March 7, 1982)

Footages 640 FSL/2270 FEL Unit 0 Sec 7 Tsp 175 Rge 29E County Eddy

Operator: Mack Energy Corp Contact: Jerry W. Shovel

OGRID: 13837 RULE 5.9 Compliance (Wells) 0/336 (Finan Assur)

Operator Address: P.O. Box 960, ARTESIA, NM, 88211-0960

Current Status of Well: New Well - not drilled or permitted yet

Planned Work to Well: Planned Tubing Size/Depth: 2 7/8" 8250'

(PLAN)

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or ET	Cement Top and Determination Method
<del>Existing</del> Surface	<u>17 1/2 13 3/8</u>	<u>375</u>	<u>400</u>	<u>CIRC</u>
<del>Existing</del> Intermediate	<u>12 1/4 8 5/8</u>	<u>2600</u>	<u>775</u>	<u>CIRC</u>
<del>Existing</del> Long String	<u>7 1/8 5 1/2</u>	<u>9300</u>	<u>1150</u>	<u>CIRC</u>

DV Tool ? Liner ? Open Hole ? Total Depth 6029

Well File Reviewed none

Diagrams: Before Conversion  After Conversion  Elogs in Imaging File: not drilled

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>8100</u>	<u>CISCO TOP</u>	
Injection.....	<u>8350</u>	<u>CISCO</u>	<u>NO</u>
Interval TOP:	<u>8350</u>	<u>CISCO</u>	<u>NO</u>
Interval BOTTOM:	<u>8900</u>	<u>CISCO</u>	<u>NO</u>
Below (Name and Top)	<u>9450</u>	<u>STRAND TOP</u>	

(N. ADDERSON WC.)  
WOLF CREEK OIL  
1.5 MILE WASH  
ABO ABOVE (N. EMPIRE ABO)  
(U. BARR OIL 2 MI W.)  
Bear Creek Draw  
CISO OIL  
(1 MI SOUTH)  
E. Red Lake U. Barr  
OIL POOL  
(1 MI EAST)

Sensitive Areas: Capitan Reef Cliff House Salt Depths Yates @ 830'

... Potash Area (R-111-PT) ? Potash Lessee ? Noticed? ?

Fresh Water: Depths: 0-200' Wells Yes Analysis?  Affirmative Statement

Disposal Fluid Sources: Marathon Wells in AOR Analysis? ?

Disposal Interval Production Potential/Testing/Analysis Analysis: ?

Notice: Newspaper (Y/N)  Surface Owner BLM Mineral Owner(s) ?

RULE 26.7(A) Affected Parties: EOG/ Marathon / 3MS/CWM/aspen/etc

Area of Review: Adequate Map (Y/N) ? and Well List (Y/N) ?

Active Wells 5 Num Repairs ? Producing in Injection Interval in AOR ?

..P&A Wells ? Num Repairs ? All Wellbore Diagrams Included? ?

Questions to be Answered: TEST / Turn in MUDLOGS / Before inject.  
Put DV TOOLS ON DIAGRAMS & CMT TOPS above/side  
CHK UNIT P of 12 / T175 / R28E  
ROUGH Structure of CISCO in THIS area (DPS to EAST?)

Required Work on This Well: ? Request Sent ? Reply: ?

AOR Repairs Needed: ? Request Sent ? Reply: ?

? Request Sent ? Reply: ?

8350  
16700