

ABOVE THIS LINE FOR DIVISION USE ONLY

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



L R R A LP

CHAPARRAL 10 #1

Chaparral 10 #1
5-015-30229

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
- [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
- [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
- [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
- [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
- [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

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

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
 DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

[D] Other: Specify _____

F-10-255-28E

RECEIVED OIL CONSERVATION DIVISION
 APR 26 10:00 AM '12

[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, $\Rightarrow 0.36$

[F] Waivers are Attached

which Proof?
~~5050' - 5860'~~
~~443' - 6150'~~
 1800 PSI?
 $\Rightarrow 0.36$

[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.

 Mike Pippin *Mike Pippin* Petroleum Engineer April 24, 2012
 Print or Type Name Signature Title Date
 mike@pippinllc.com
 e-mail Address

LIME ROCK RESOURCES A, L.P.
Mike Pippin PE
3104 N. Sullivan Avenue
Farmington, NM 87401
505-327-4573 (phone) mike@pippinllc.com

April 24, 2012

Will Jones
NMOCD
1220 South St. Francis Drive
Santa Fe, NM 87505

RE: C-108, SWD APPLICATION
CHAPARRAL 10 #1– API#: 30-015-30229
Unit Letter "F" Section 10 T25S R28E
Eddy County, New Mexico

Dear Mr. Jones:

LIME ROCK RESOURCES A, L.P. as operator of the above-referenced well, is submitting this application to permit the referenced well for produced water disposal in the Brushy Canyon of the Delaware Mt. group. The State pool is Willow Lake Delaware SW (96855).

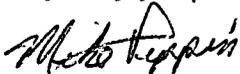
This well is currently open in the oil-producing interval, Cherry Canyon (4776'-94'), which will be squeezed with cement. The proposed disposal interval is in the none-productive Brushy Canyon at about 5050'-5860', which is also in the Delaware but below the Cherry Canyon. All wells in the area of review that penetrated the proposed disposal interval (7 wells) have good cement throughout.

Devon Energy is the surface owner and Lime Rock Resources A, L.P. is the (fee) royalty owner having recently purchased the (fee) royalty for Devon.

Attached is the necessary C-108 information, data, maps, and proof of notices for the application.

Should you have any questions, please contact me at 505-327-4573.

Very truly yours,



Mike Pippin

Petroleum Engineer

LIME ROCK RESOURCES A, L.P.
Mike Pippin
3104 N. Sullivan Avenue
Farmington, NM 87401
505-327-4573 (phone) mike@pippinllc.com

April 24, 2012

RE: C-108 Application for SWD Well
CHAPARRAL 10 #1 SWD- API#: 30-015-30229
1980' FNL 1980' FWL, "F" Section 10 T25S R28E
Eddy County, New Mexico

VIA CERTIFIED MAIL
To all Interest Owners:

In accordance with the New Mexico Oil Conservation Division Rule 19.15.26 governing disposal wells, you are hereby notified that LIME ROCK RESOURCES A, L.P. as operator of the above-referenced well, has submitted an application to permit the referenced well for produced water disposal in the Brushy Canyon Formation of the Delaware Mountain group.

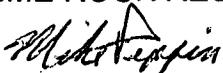
This well is currently open in the oil-producing interval, Cherry Canyon (4776'-94'), which will be squeezed with cement prior to conversion to produced water disposal. The State pool is Willow Lake Delaware SW (96855). The proposed disposal interval is in the none-productive Brushy Canyon Formation. This formation comprises the lower section of the Delaware Mountain group and underlies the Cherry Canyon Formation. All wells in the area of review that penetrated the proposed disposal interval (7 wells) have good cement throughout.

The proposed injection interval in the Brushy Canyon will be at about 5050'-5860' although the exact location of the perms has not been decided. The estimated total average disposal volume is 7200 bbls per day with a maximum injection pressure of 1800 psi (after a step rate test).

Interested parties must file objections or a request for hearing with the NMOCD, 1220 South St. Frances Drive, Santa Fe, NM 87505 within 15 days.

Should you have any questions or concerns, please contact me at 505-327-4573 and/or the NMOCD at 505-476-3467.

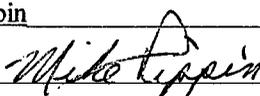
Sincerely,
LIME ROCK RESOURCES A, L.P.



Mike Pippin PE
Petroleum Engineer

Enclosures

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance Disposal _____ Storage
Application qualifies for administrative approval? Yes _____ No
- II. OPERATOR: LIME ROCK RESOURCES A, L.P.
ADDRESS: 1111 Bagby St. Houston, Texas 77002
CONTACT PARTY: Mike Pippin PHONE: 505-327-4573
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ Yes No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: Mike Pippin TITLE: Petroleum Engineer
SIGNATURE:  DATE: April 24, 2012
E-MAIL ADDRESS: mike@pippinllc.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

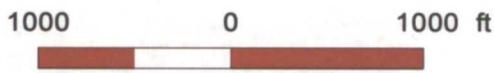
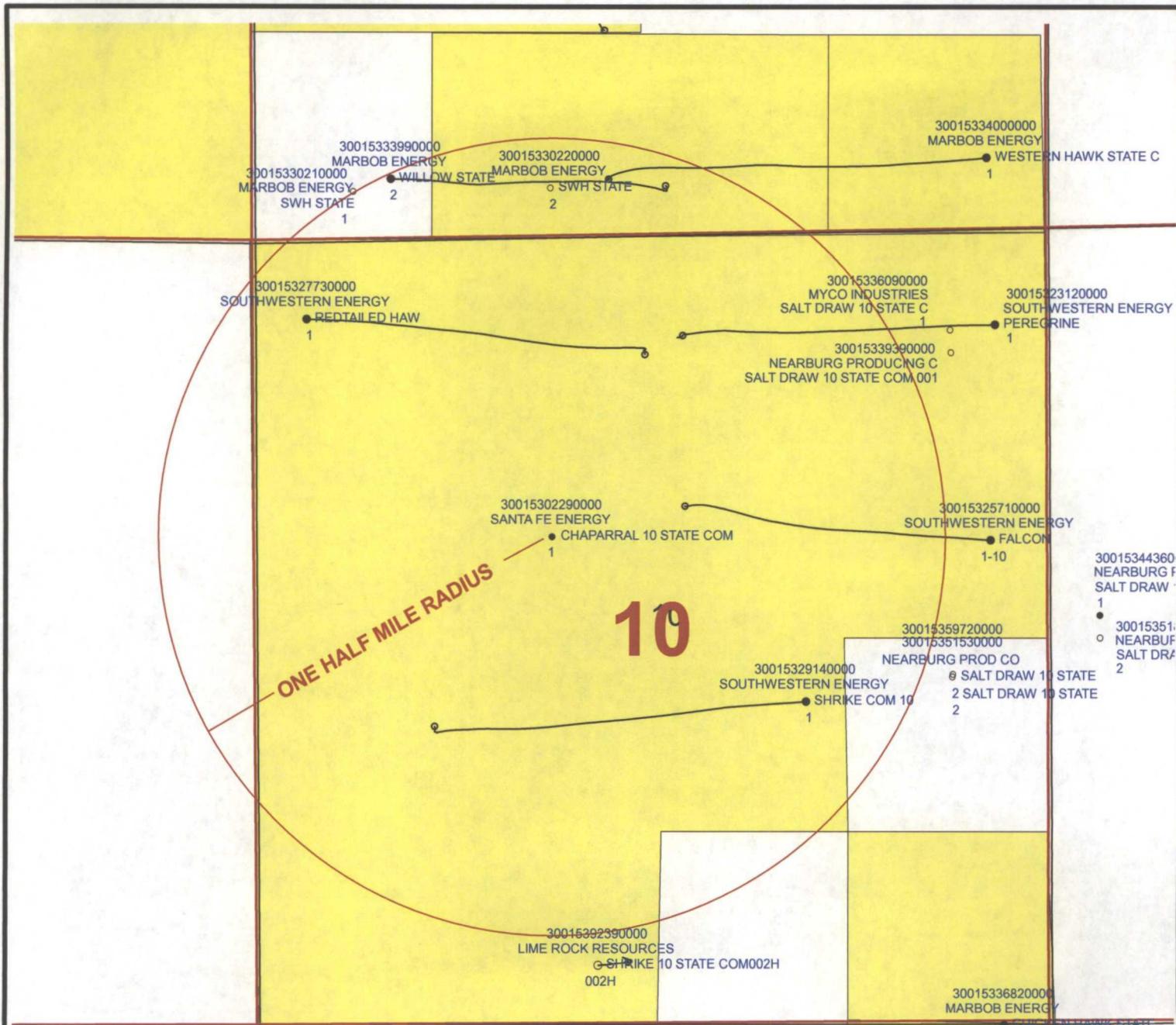
All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.



1 inch = 1000 feet



**LIME ROCK
RESOURCES**

WESTERN WILLOW LAKE
CHAPARRAL 10 STATE COM 1
ONE HALF MILE RADIUS SHOWN

Scale:	Date:
<scale>	9 December, 2011

INJECTION WELL DATA SHEET

OPERATOR: LIME ROCK RESOURCES A, L.P.WELL NAME & NUMBER: Chaparral 10 State Com #1 API # 30-15-30229WELL LOCATION: 1980 FNL 1980 FWL F 10 25S 28E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGEWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2" Casing Size: 13 3/8"Cemented with: 650 sx. *or* _____ ft³Top of Cement: Surface Method Determined: returns to surfaceIntermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8"Cemented with: 1000 sx. *or* _____ ft³Top of Cement: surface Method Determined: returns to surfaceProduction CasingHole Size: 8 3/4" Casing Size: 7"Cemented with: 775 sx. *or* _____ ft³Top of Cement: 4,708' Method Determined: temp. surveyTotal Depth: 10,715'Injection Interval4930' feet to 6150'**(Perforated** or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 3 1/2" Lining Material: Fiberglass

Type of Packer: Baker F-1 Permanent Packer (or similar)

Packer Setting Depth: +/- 5,025'

Other Type of Tubing/Casing Seal (if applicable): CIBP with 20' of cement on top

Additional Data

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

If no, for what purpose was the well originally drilled? Oil Well

2. Name of the Injection Formation: Brushy Canyon

3. Name of Field or Pool (if applicable): Willow Lake Delaware, SW 96855

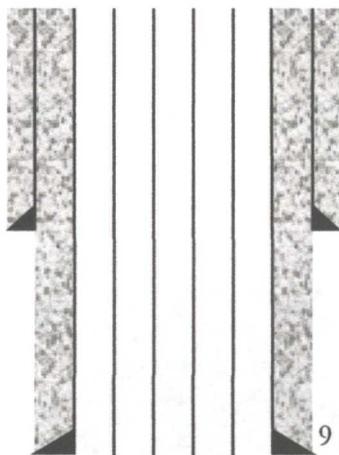
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. _____

See Attached Schematic

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

PROPOSED

F-10-25S-28E
1980 FNL 1980 FWL
Elevation: 2,962' (GL)
Eddy, NM



13 3/8", 48# H-40 ST&C @ 612' 650 sx circ.

9 5/8, 36# @ 2,537' 1000 sx circulated.

3 1/2" Fiberglass or fiberglass coated tubing

8/30/98 TOC 4,708' (USI Log)

8/31/98 Acidize w/ 500 gal NeFe
9/6/98 Frac 9K# sand into form

Sqz. Existing perfs w/ 100 sx
4,776-80'
4,784-94'

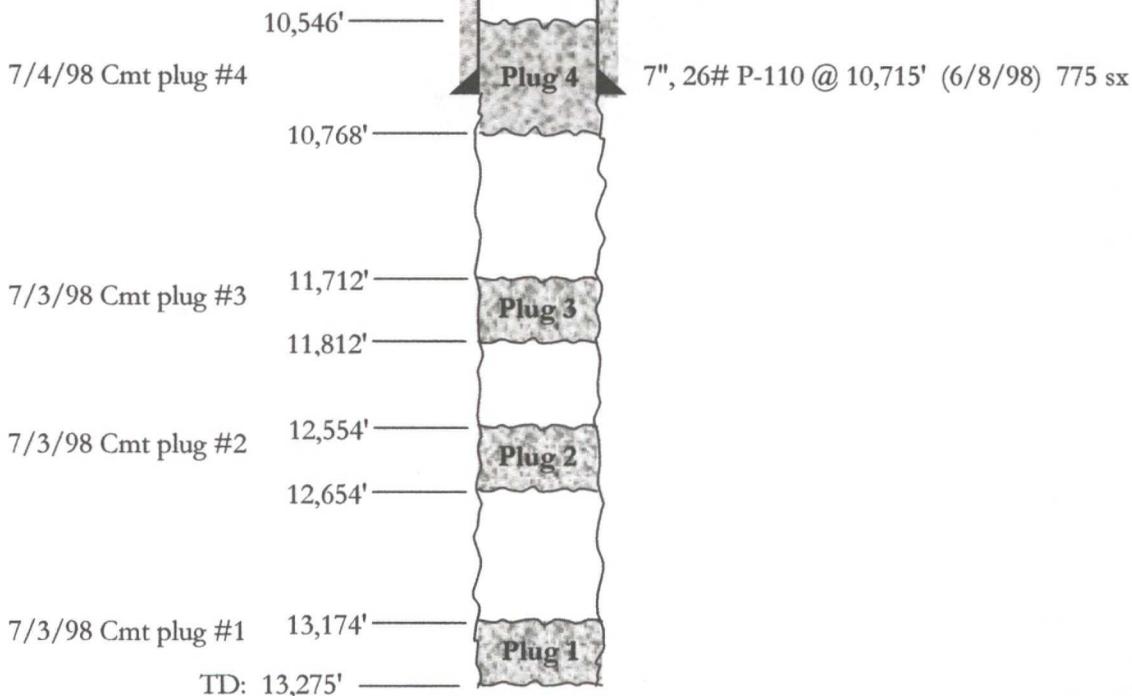
Sqz. Perf
5,050'
Injection perfs. 5,050-5,860'

Baker F-1 PKR @ +/- 5,025 w/ seal bore
8/28/98 Sqz. w/ 150 sx

CIBP @ 6,650' W/ 20' cmt on top
8/23/98 Sqz. w/ 730 sx class "C" cmt.

Sqz. Perf
6,700'

TOC @ 6,740' (Temp survey)



7/4/98 Cmt plug #4

7/3/98 Cmt plug #3

7/3/98 Cmt plug #2

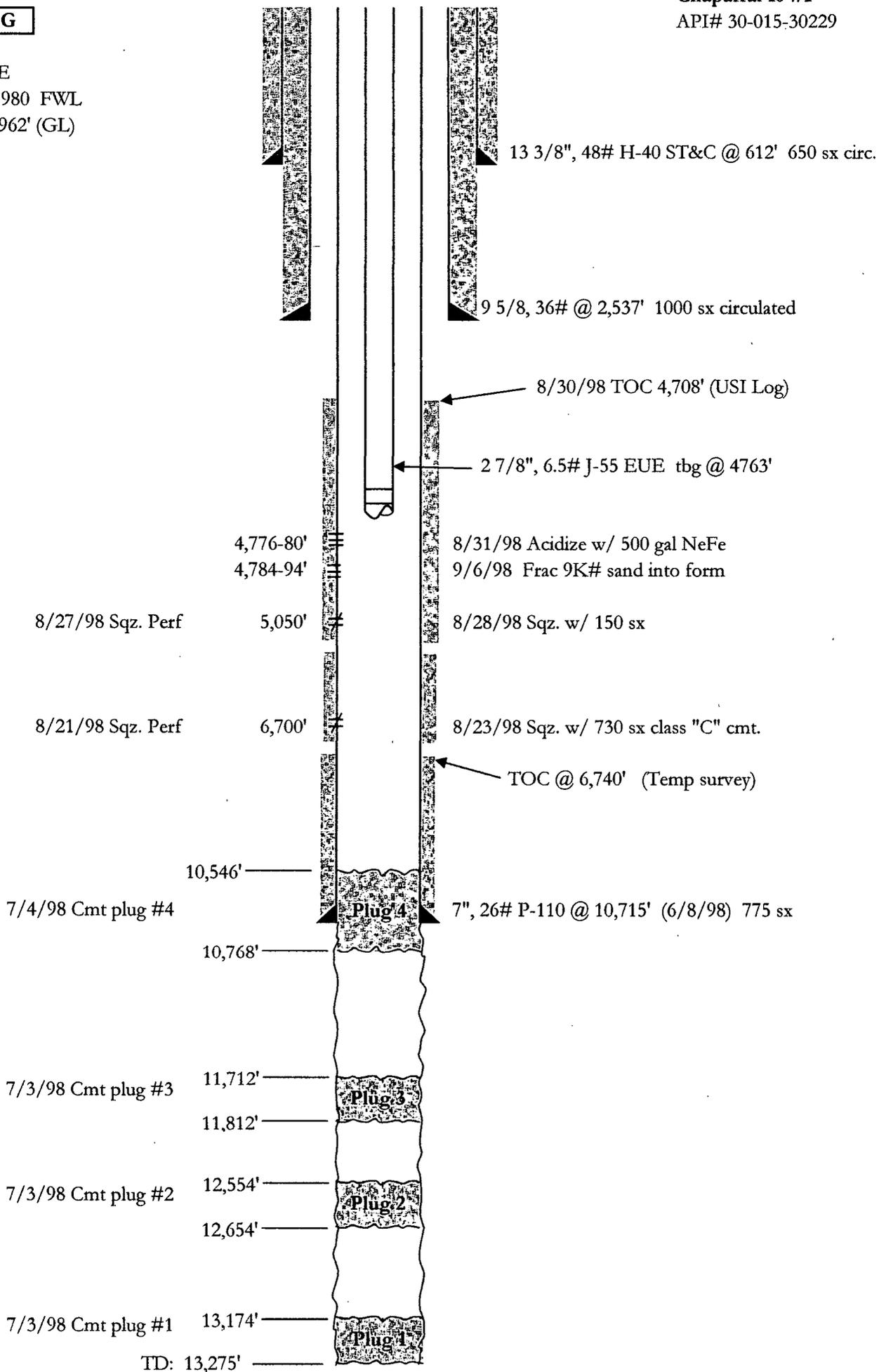
7/3/98 Cmt plug #1

TD: 13,275'

EXISTING

Chaparral 10 #1
API# 30-015-30229

F-10-25S-28E
1980 FNL 1980 FWL
Elevation: 2,962' (GL)
Eddy, NM



Proposed Injector - Chaparral 10 State Com #1 (30-015-30229)

Form C-108 Section VI - Offset Wells in the Area of Interest

Well name	API #	Well type	Spud Date	Location	Depth, MD	Perforations/ Lateral	Casing Record	Operator
Willow A State #002	30-015-33399	Oil - Active	5/21/04	330 FSL, 2570 FEL O-03-25S-28E	6425	5100-5650	9 5/8" 36# J-55 @ 824', 550 SX Circulated to surface on 9 5/8" 5 1/2" 17# J-55 @ 6,016', 1950 SX Circulated to surface on 5 1/2"	COG Operating LLC 550 W Texas Suite 1300 Midland, Texas 79701
Western Hawk State Com 1	30-015-33400	Oil - Active	6/4/04	380 FSL, 2370 FWL N-03-25S-28E	7216	5100-7100	9 5/8" 36# J-55 @ 811', 550 SX Circulated to surface on 9 5/8" 5 1/2" 17# J-55 @ 7209', 2000 SX Circulated to surface on 5 1/2"	COG Operating LLC 550 W Texas Suite 1300 Midland, Texas 79701
Redtailed Hawk 10 H #1	30-015-32773	Oil - Active	5/10/03	780 FNL 2610 FWL C-10-25S-28E	6865	5260-6220	9 5/8" 36# @ 575', 269 SX Circulated to surface on 9 5/8" 7" 23# @ 5,175', 215 SX Circulated to surface on 7" 4 1/2" 11.6# N-80 Liner, 219 SX Top of liner @ 4,357, set @ 6,864' TOC=4,358' per reports	Lime Rock Resources 1111 Bagby St, Ste 4600 Houston, Texas 77002
Peregrin State #001	30-015-32312	Oil - Active	6/4/02	660 FNL 2460 FEL	6750	5360-6750	8 5/8" 32# @ 565', 350 SX Circulated to surface on 8 5/8" 5 1/2" 17# @ 5,360', 270 SX Calculated TOC=3,205'	Lime Rock Resources 1111 Bagby St, Ste 4600 Houston, Texas 77002
Falcon 10 #001	30-015-32571	Oil - Active	2/12/03	1793 FNL 2450 FEL G-10-25S-28E	6675	5196-6675	9 5/8" 36# @ 575', 300 SX Circulated to surface on 9 5/8" 5 1/2" 17# @ 5,196', 426 SX Circulated to surface on 5 1/2"	Lime Rock Resources 1111 Bagby St, Ste 4600 Houston, Texas 77002
Shrike 10H Com #001	30-015-32914	Oil - Active	12/31/99	1964 FSL 1189 FWL L-10-25S-28E	7051	5220-6950	9 5/8" 36# J-55 @ 550', 270 SX Circulated to surface on 9 5/8" 7" 23# J-55 @ 5,175, 300 SX Calculated TOC=2,414'	Lime Rock Resources 1111 Bagby St, Ste 4600 Houston, Texas 77002

There are no plugged wells in the area of review.

III. WELL DATA

B (4) Existing Perforated Intervals

6700'	4 shots	Squeeze cement behind casing, 730 SX ✓
5,050'	4 shots	Squeeze cement behind casing, 150 SX ✓
4,776-4,780'	17 shots	Production perforations
4,784-4,794'	41 shots	Production perforations

Plugging Detail

End of 7" production casing at 10,715'
TD well 13,275'

Plug 1	cement plug 13,174-13,275
Plug 2	cement plug 12,554-12,654
Plug 3	cement plug 11,712-11,812'
Plug 4	cement plug 10,546-10,768'

Proposed Plugs and Perforations

Squeeze the existing perms 4,776-4,794' with 100 Sx neat cement
Drill out SQ, PT, & set a CIBP with 20' of cement on top at +/- 6,650'.
Perforate Brushy Canyon zone between 4930' to 6150' gross interval.
The exact location of the perms has not been decided.

B (5) - Hydrocarbon production above and below proposed disposal interval

The proposed disposal interval is the non-productive Brushy Canyon Formation which lies below the productive Cherry Canyon Formation (Willow Lake Delaware, SW 96855) and above the Bone Springs Formation.

The Bone Springs Formation is productive in certain sections in T25S, R 28E and is the shallowest formation potentially productive beneath the Brushy Canyon Formation.

The Cherry Canyon 6 Sandstone Reservoir currently producing in the Chaparral 10-1 is the deepest producing Formation within the ½ mile radius of investigation. ✓

The Cherry Canyon 6 occurs between the TVD depths of 4758' and 4811' in the Chaparral 10-1 and is approximately 100' above the top of the Brushy Canyon Formation.

No Formation is producing below the Brushy Canyon Formation within the ½ mile radius area of review. ✓

Proposed Injector - Chaparral 10 State Com #1 (30-015-30229)
Form C-108 Section VII - Proposed Operation

- 1) Proposed average daily injection rate: 5 barrel per minute
Proposed maximum daily injection rate: 6 barrels per minute
Proposed average daily injection volume: 7,200 barrels per day
Proposed maximum daily injection volume: 8,640 barrels per day
- 2) The system will be a closed system.
- 3) Proposed average injection pressure: 900 psig
Proposed maximum injection pressure: 1,800 psig
- 4) The produced water source formation is the Willow Lake Delaware, SW 96855 and the non-productive receiving interval the Brushy Canyon are both formations in the Delaware Mountain group.
No water compatibility issues are expected as a result of the proposed injection.
- 5) A produced water analysis is attached.
The proposed receiving interval is believed to have essentially the same analysis.

VIII - Geological Data

The proposed saltwater disposal zone, the non-productive Brushy Canyon Formation, is present between the vertical depths of 4930' and 6150' in the subject well. The Brushy Canyon consists primarily of interbedded sandstones and shales. The porosity of the sandstone intervals proposed for injection range from 10% – 20%, with an average porosity of approximately 14%. Permeabilities from sidewall cores taken from the Brushy Canyon Formation in the Chaparral 10-1 range from 1 md to 35 md for the sandstone intervals projected for saltwater disposal.

No sources of underground drinking water exist below the Brushy Canyon and the deepest potential sources of underground drinking water above the Brushy Canyon are less than 400' deep.

IX - Proposed Stimulation

The Proposed injection interval may be acidized with up to 20 gallons per foot with 7 ½% HCL acid. In necessary the interval may be fracture stimulated with up to 300,000 lbs. of 20/40 sand proppant.

X - Logging and Test Data

Log sections were previously submitted to the Division and are available on the web site.

XI - Fresh Water Wells

There are no fresh water wells within one mile of the proposed SWD well.

XII - Proof of hydrologic separation between proposed disposal zone and overlying underground sources of drinking water

Electric log correlation and consequent geological subsurface mapping provide no evidence of faulting within the AOR. Additionally, nearby saltwater disposal wells are using the much shallower Bell Canyon Formation (Approximate subsurface depths of 2600' – 3800') for injection. The top of the Brushy Canyon Formation is approximately 4500' below the lowest possible source of underground drinking water and is separated from potential underground sources of drinking water by thousands of feet of interbedded shales and sandstones, anhydrite, limestone and salt.

XIII – Proof of Notice is attached.

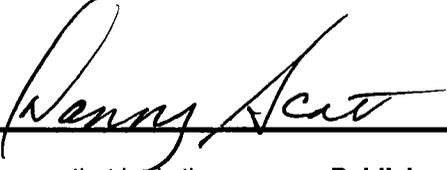
Affidavit of Publication

NO. 22070

STATE OF NEW MEXICO

County of Eddy:

Danny Scott



being duly sworn, says that he is the Publisher

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

Legal Notice

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

1 Consecutive weeks/days on the same

day as follows:

First Publication	<u>March 15, 2012</u>
Second Publication	<u></u>
Third Publication	<u></u>
Fourth Publication	<u></u>
Fifth Publication	<u></u>

Subscribed and sworn to before me this

16th day of March 2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015



Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

CHAPARRAL 10 #1, - SWD Application - Form C-108
LIME ROCK RESOURCES A, L.P., 1111 Bagby St, Suite 4600, Houston, TX 77002, contact: Mike Pippin 505-327-4573 is seeking administrative approval from the NMOCD to complete the following well for produced water disposal: CHAPARRAL 10 #1 is located in Sec 10, T25S, R28E, 1980' FNL & 1980' FWL, Eddy County, NM. Proposed injection interval is the Brushy Canyon formation with perforations from about 5050'-5860' with an estimated maximum daily injection volume of produced formation water of 8640 bbls per day and a maximum injection pressure of 1800 psi. Interested parties must file objections or request for hearing with the NMOCD, 1220 South St. Frances Drive, Santa Fe, NM 87505 within 15 days.
Published in the Artesia Daily Press, Artesia, N.M., March 15, 2012. Legal No 22070.

7011 1570 0001 0601 0342

CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

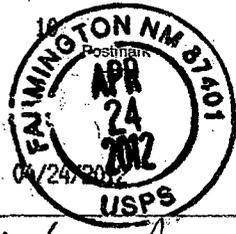
For delivery information visit our website at www.usps.com

OKLAHOMA CITY OK 73154

Postage	\$ 0.65	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.60	

Sent To: *Chesapeake Operating Inc*
Street, Apt. No., or PO Box No.: *PO Box 18496*
City, State, ZIP+4: *Oklahoma City, OK 73154*

PS Form 3800, August 2006 See Reverse for Instructions



7011 1570 0001 0601 0299

CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com

MIDLAND TX 79701

Postage	\$ 0.85	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.80	

Sent To: *COG Operating LLC*
Street, Apt. No., or PO Box No.: *550 W. Texas Ste 1300*
City, State, ZIP+4: *Midland TX 79701*

PS Form 3800, August 2006 See Reverse for Instructions



7011 1570 0001 0601 0329

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

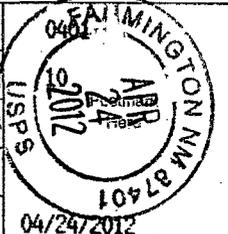
For delivery information visit our website at www.usps.com

MIDLAND TX 79707

Postage	\$ 0.85	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.80	

Sent To: *Devon Prod Co - Nearburg Producing*
Street, Apt. No., or PO Box No.: *3300 N. A Street, Bldg 2 Ste 120*
City, State, ZIP+4: *Midland TX 79707*

PS Form 3800, August 2006 See Reverse for Instructions



7011 1570 0001 0601 0303

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

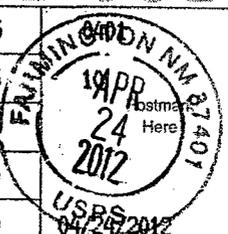
For delivery information visit our website at www.usps.com

OKLAHOMA CITY OK 73102

Postage	\$ 0.85	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.80	

Sent To: *Devon Energy Production Co.*
Street, Apt. No., or PO Box No.: *20 N. Broadway*
City, State, ZIP+4: *Oklahoma City, OK 73102*

PS Form 3800, August 2006 See Reverse for Instructions



7011 1570 0001 0601 0336

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

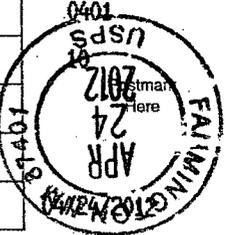
For delivery information visit our website at www.usps.com

FORT WORTH TX 76102

Postage	\$ 0.85	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.80	

Sent To: *Getta-X2, L.P.*
Street, Apt. No., or PO Box No.: *777 Taylor St*
City, State, ZIP+4: *Fort Worth TX 76102*

PS Form 3800, August 2006 See Reverse for Instructions



7011 1570 0001 0601 0312

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only, No Insurance Coverage Provided)

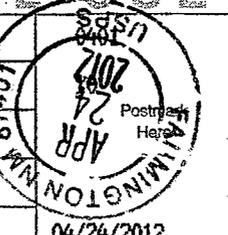
For delivery information visit our website at www.usps.com

HOUSTON TX 77032

Postage	\$ 0.85	0401
Certified Fee	\$ 2.95	
Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 3.80	

Sent To: *Southwestern Energy Production*
Street, Apt. No., or PO Box No.: *2350 N. Sam Houston Pkwy E Ste 125*
City, State, ZIP+4: *Houston TX 77032*

PS Form 3800, August 2006 See Reverse for Instructions



District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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 October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-30229		² Pool Code 96855		³ Pool Name Willow Lake Delaware SW	
⁴ Property Code 310013		⁵ Property Name CHAPARRAL 10			⁶ Well Number 1
⁷ OGRID No. 255333		⁸ Operator Name LIME ROCK RESOURCES A, L.P.			⁹ Elevation 2926' GL

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	10	25-S	28-E		1980	NORTH	1980	WEST	EDDY

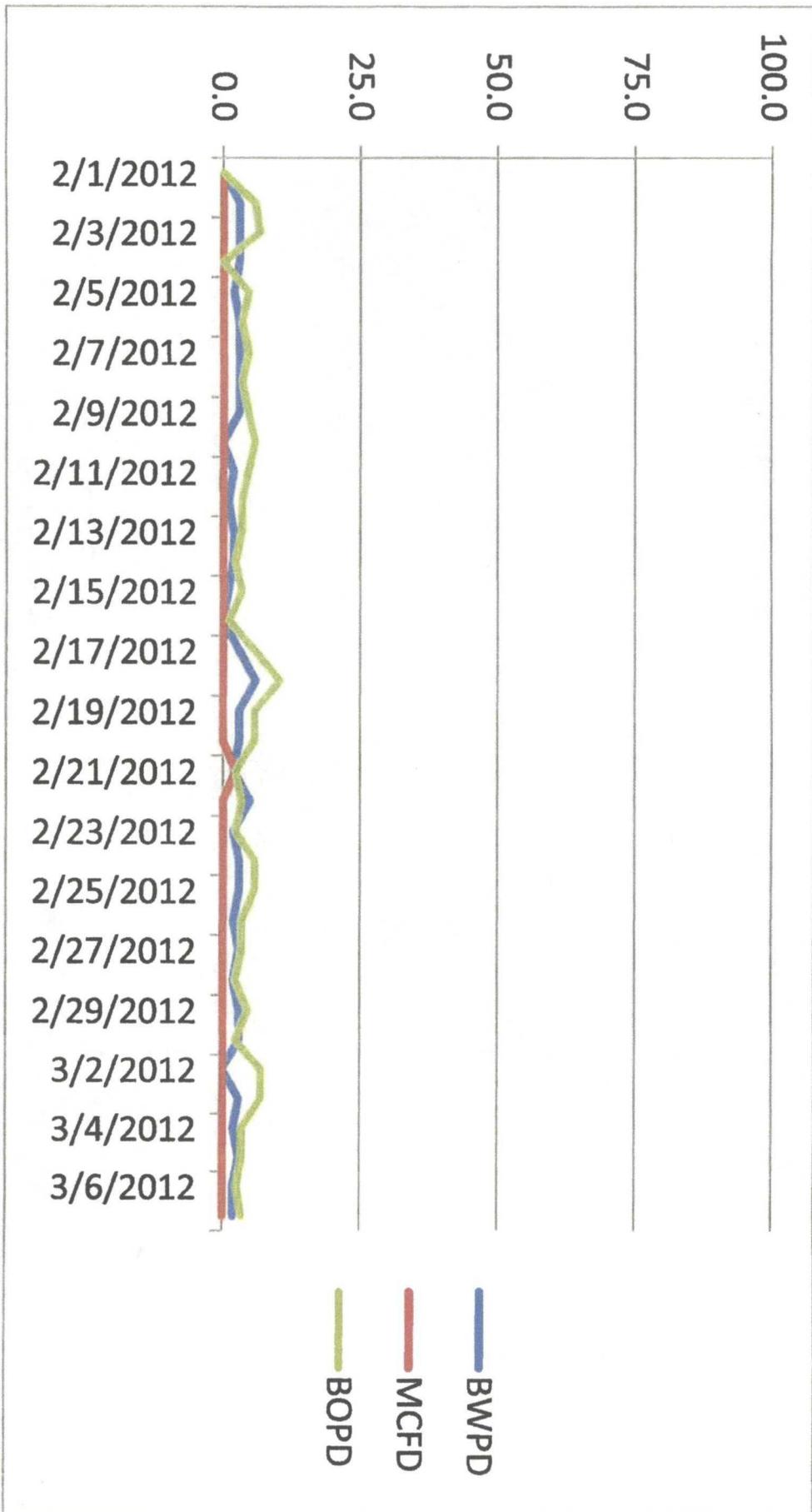
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

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.

	¹⁷ OPERATOR CERTIFICATION	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	Signature <i>Mike Pippin</i>	Date 3/8/12
	Printed Name Mike Pippin	
		¹⁸ SURVEYOR CERTIFICATION
		<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>
		Date of Survey 4/16/98
		Signature and Seal of Professional Surveyor: Roger M. Robbins
		Certificate Number 12128



**CHAPARRAL 10 SWD #1 WELL
SECTION 3, 9, AND 10, T25S-R28E
EDDY COUNTY, NM**

Section 3 -Township 25S - Range 28E	
Working Interest Owners 1/2 mile radius: Injecting into the Brushy-Canyon Formation at 5,050' to 5860'	
M	SWSW Drilling Title Opinion dated September 26, 2003; described as Lots 1-4; S2N2 and S2; all depths
	COG Operating LLC 550 W. Texas, Suite #1300 Midland, TX 79701
N	SESW Drilling Title Opinion dated September 26, 2003; described as Lots 1-4; S2N2 and S2; all depths
	COG Operating LLC 550 W. Texas, Suite #1300 Midland, TX 79701
O	SWSE Drilling Title Opinion dated September 26, 2003; described as Lots 1-4; S2N2 and S2; all depths
	COG Operating LLC 550 W. Texas, Suite #1300 Midland, TX 79701
Section 9 -Township 25S - Range 28E	
Working Interest Owners 1/2 mile radius: Injecting into the Brushy-Canyon Formation at 5,050' to 5860'	
A	NENE Surface Owner as per Eddy County, New Mexico Assessors on-line database
	Devon Energy Production Company, LP 20 N Broadway Oklahoma City, OK 73102
H	SENE Surface Owner as per Eddy County, New Mexico Assessors on-line database
	Devon Energy Production Company, LP 20 N Broadway Oklahoma City, OK 73102
I	NESE Surface Owner as per Eddy County, New Mexico Assessors on-line database
	Devon Energy Production Company, LP 20 N Broadway Oklahoma City, OK 73102
Section 10 -Township 25S - Range 28E	
Working Interest Owners 1/2 mile radius: Injecting into the Brushy-Canyon Formation at 5,050' to 5860'	
A	NENE Drilling Title Opinion dated February 7, 2005; described as N2NE; all depths
	Southwestern Energy Production: (surface down to 4,989' below the surface), Lime Rock Resources A, L.P. as per Go-Tech
	Devon Energy Production Company, L.P.: (below 4,989')
B	NWNE Drilling Title Opinion dated February 7, 2005; described as N2NE; all depths
	Southwestern Energy Production: (surface down to 4,989' below the surface), Lime Rock Resources A, L.P. as per Go-Tech
	Devon Energy Production Company, L.P.: (below 4,989')
C	NENW Drilling Title Opinion dated May 16, 2002; described as N2NW; all depths
	Devon Energy Production Company: (surface & minerals and 50% working interest)
	Southwestern Energy Production Company: (50% working interest), Lime Rock Resources A, L.P. as per Go-Tech
D	NWNW Drilling Title Opinion dated May 16, 2002; described as N2NW; all depths
	Devon Energy Production Company: (surface & minerals and 50% working interest)
	Southwestern Energy Production Company: (50% working interest), Lime Rock Resources A, L.P. as per Go-Tech

**CHAPARRAL 10 SWD #1 WELL
SECTION 3, 9, AND 10, T25S-R28E
EDDY COUNTY, NM**

E	SWNW	Surface Owner as per Eddy County, New Mexico Assessors on-line database
		Devon Energy Production Company
F	SENW	As per Go-Tech
		Lime Rock Resources A, L.P. (Chaparral 10 #1) (API 30-015-30229)
G	SWNE	Drilling Title Opinion dated February 7, 2005, described as E2; all depths
		Southwestern Energy Production Company: (surface down to 100' below the stratigraphic equivalent of the deepest formation producing), Lime Rock Resources A, L.P. as per Go-Tech
		Devon Energy Production Company, L.P.: (below 100' below the stratigraphic equivalent of the deepest formation producing)
H	SENE	Drilling Title Opinion dated February 7, 2005, described as E2; all depths
		Southwestern Energy Production Company: (surface down to 100' below the stratigraphic equivalent of the deepest formation producing), Lime Rock Resources A, L.P. as per Go-Tech
		Devon Energy Production Company, L.P.: (below 100' below the stratigraphic equivalent of the deepest formation producing)
I	NESE	Drilling Title Opinion dated February 7, 2005, described as E2; all depths
		Devon Production Company, L.P. as per Go-Tech: Nearburg Producing Co. 3300 N. A Street, Bldg 2, Suite 120 Midland, TX 79707
J	NWSE	Drilling Title Opinion dated February 7, 2005, described as E2; all depths
		Devon Production Company, L.P. (No evidence in Go-Tech)
K	NESW	Drilling Title Opinion dated May 28, 2003, described as E2 SW; all depths
		Jetta-X2, L.P.: (50% working interest) (operator data not available in Go-Tech)
		Southwestern Energy Production Company: (50% working interest), Lime Rock Resources A, L.P. as per Go-Tech (No evidence of producing well in Go-Tech)
L	NWSW	As per Go-Tech
		Lime Rock Resources A, L.P. (Shrike 10H Com#1) (API 30-015-32914)
M	SWSW	As per Go-Tech
		Chesapeake Operating, Inc.: (Willow Lake 10 State Com #1) (API 30-015-36585) P.O. Box 18496 Oklahoma City, OK 73154
N	SESW	Drilling Title Opinion dated May 28, 2003, described as E2 SW; all depths
		Devon Energy Production Company, L.P.
		Southwestern Energy Production Company: (LRE Operating, LLC as per Go-Tech)
O	SWSE	Drilling Title Opinion dated February 7, 2005, described as E2; all depths
		Devon Production Company, L.P. as per Go-Tech: Nearburg Producing Co. 3300 N. A Street, Bldg 2, Suite 120 Midland, TX 79707

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., Artesia, NM 88210
 District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 June 19, 2008

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-015-30229
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name CHAPARRAL 10
8. Well Number #1
9. OGRID Number 255333
10. Pool name or Wildcat Willow Lake Delaware SW (96855)
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 2926' GL

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other **SWD**

2. Name of Operator
LIME ROCK RESOURCES A, L.P.

3. Address of Operator
c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

4. Well Location
 Unit Letter F : 1980 feet from the NORTH line and 1980 feet from the WEST line
 Section 10 Township 25-S Range 28-E NMPM Eddy County

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: Convert to SWD <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Lime Rock would like to convert this well to SWD as follows: MIRUSU. TOH w/rods, pump, & tbg. Set 7" CIBP @ ~6650' & dump 20' cmt on top. Set a 7" cmt ret @ ~4750' & SQ Cherry Canyon perfs 4776'-94' w/about 100 sx cmt. Drill cmt & CO to ~6400'. PT csg to ~1000 psi. Perf the Brushy Canyon @ about 5050'-5860' w/about 917 holes. Test injectivity. Stimulate perfs with acid as required. Land 7" plastic lined SWD pkr on 3-1/2" plastic lined SWD tbg @ about 5025'. Install pkr fluid in annulus. Conduct MIT test. Release workover rig. Initiate SWD. See attached wellbore diagrams.

Lime Rock has submitted a C-108 SWD application to Santa Fe. No work will be initiated until the SWD application is approved.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Mike Pippin* TITLE Petroleum Engineer - Agent DATE 3/12/12

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only
 APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

6100

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1332 Permit Date 5/16/12 UIC Qtr (A)(M)(J)

Wells 1 Well Name(s): CHAPARRAL 10 #1

API Num: 30-015-30229 Spud Date: 5/10/98 New/Old: N (UIC primacy March 7, 1982)

Footages 1980FNL/1980FUL Unit F Sec 10 Tsp 25S Rge 28E County EDDY

General Location: _____

Operator: LINE ROCK RESOURCES A, L.P. Contact MIKE PIPPIN

OGRID: 255333 RULE 5.9 Compliance (Wells) 9/25 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed _____ Current Status: Placed back to oil producer (4776-94 Cherry C.)

Planned Work to Well: SOZ Upper Perfs, Cleanout, Perf. Tooling

Diagrams: Before Conversion After Conversion Elogs in Imaging File:

Well Details:	Sizes Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
New ___ Existing ___ Surface	17 1/2 13 3/8	612'		650SX	surf.
New ___ Existing ___ Interm	12 1/4 9 5/8	2452'		1000SX	SWL
New ___ Existing ___ LongSt	8 3/4 7"	10715'		775SX	4785 TS (ORIG 6745 TS)
New ___ Existing ___ Liner				Several SOZ JOBS	
New ___ Existing ___ OpenHole		10715' → 3275 TD		⊕ 6600' ±	5050'

Depths/Formations: _____

Depths, Ft.	Formation	Tops?
2506	Bell C.	<input checked="" type="checkbox"/>
3314	Cherry C.	<input checked="" type="checkbox"/>
4950	Erion Brnly	<input checked="" type="checkbox"/>
5050	Branly C.	<input checked="" type="checkbox"/>
5860	" C.	<input checked="" type="checkbox"/>
6200	Bone SRs	<input checked="" type="checkbox"/>

WILLOW LAKE, DEL SW
(STANDARD SIZED SECTION)

Caplan Reef? _____ (Potash? _____ Noticed? _____) WHP? _____ Noticed? _____ Salado Top/Bot 100' Cliff House? _____

Fresh Water: Depths: < 400' Formation _____ Wells? NONE Analysis? _____ Affirmative Statement

Disposal Fluid Analysis? Some Sources: Cherry Canyon

Disposal Interval: Analysis? Production Potential/Testing: _____

Notice: Newspaper Date 3/15/12 Surface Owner Damon Energy Mineral Owner(s) SLD/Fco

RULE 26.7(A) Affected Persons: Donkey / CHERRY / COE / Jella / SW Energy

AOR: Maps? Well List? Producing in Interval? NO Wellbore Diagrams? _____

.....Active Wells 6 Repairs? 0 Which Wells? _____

.....P&A Wells 0 Repairs? _____ Which Wells? _____

Issues: PB to 200' ± 6100' or c/o to 26100'

Request Sent _____ Reply: _____

4992
9860
5860
1010