

06/26/2012 DATE IN	SUSPENSE	Jones, W. ENGINEER	06/26/2012 LOGGED IN	SWD TYPE	0501217850639 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

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

Check One Only for [B] or [C]

- ☐ [B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- ☐ [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- ☐ [D] Other: Specify _____

OGRID 280401

API 30-025-27984

Name Post #1

Location N 14S 37E

Inject formation King, South ; Devonian

[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.

Print or Type Name


Signature

Title

Date

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: NMR Energy LLC
ADDRESS: 800 Bering Drive, Suite 250, Houston, Texas 77057
CONTACT PARTY: Hollie Lamb PHONE: (432) 682-1122
- 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: Hollie C Lamb TITLE: Consulting Engineer
SIGNATURE:  DATE: 5/15/2012
E-MAIL ADDRESS: hlamb@helmsol.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

OPERATOR: NMR Energy LLC

WELL NAME & NUMBER: Post #1

WELL LOCATION: 990' FWL & 1650' FWL
FOOTAGE LOCATIONUNIT LETTER
NSECTION
1TOWNSHIP
14-SRANGE
37-EWELLBORE SCHEMATICWELL CONSTRUCTION DATASurface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"

Cemented with: 500 sx. *or* _____ ft³

Top of Cement: Surface

Method Determined: Circulated

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 8-5/8"

Cemented with: 500 sx. *or* _____ ft³

Top of Cement: 2160'

Method Determined: Temp Survey

Production Casing

Hole Size: 7-7/8" Casing Size: 5-1/2"

Cemented with: 1300 sx. *or* _____ ft³

Top of Cement: 8280'

Method Determined: Calculation

Total Depth: 12,807'

Injection Interval

12,729

feet To 12,802

feet

(Perforated or Open Hole; indicate which)

+ OH 12865 - 13400'

INJECTION WELL DATA SHEET

Tubing Size: 4-1/2" L-80

Lining Material:

IPC

Type of Packer: Arrow Set 1

Packer Setting Depth: 12,650'

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

Additional Data

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

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

Dev Producer 1/83 thru 7/84 SWD Dev 4/85 thru 1/91 Wolf Attempt 2/91 T?A 3/5 CIBP @ 9350'

2. Name of the Injection Formation: Devonian

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

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.

Yes,

Dev Perf 12,729 -12,802 (open)

Wolfcamp Perf 9,404 – 10,026 (open)

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

Devonian 12,298'

Wolfcamp 9,400'



APPLICATION FOR AUTHORIZATION TO INJECT

NMR Energy LLC
Post #1 SWD
API # 30-025-27984
990 FSL & 1650 FWL
Unit N, Sec I, T14S, R37E
Lea County, New Mexico

ITEM I

The purpose of this application is to re activate the Post #1 as salt water disposal well. Currently the well is T A' d with a CIBP @ 9,350'. The existing perforations in the Wolfcamp will be squeezed with 200 sx. An Arrowset pkr and tbgr will be run and set at 12,650'. Produced Devonian & Wolfcamp water will be disposed into the Devonian perforations 12,729-802'. The Post #1 well was previously a Devonian SWD well under order # R-7871 from 4/85 to 11/91 with an injection interval of 12,729'-12,802'.

ITEM II

NMR Energy LLC
800 Bering Drive, Suite 250
Houston, Texas 77057
Hollie Lamb (432) 682-1122

ITEM III

See Data Sheet attached

ITEM IV

This is not an expansion of an existing project.

ITEM V

See map attached

ITEM VI

There are 8 wells in the area of review. Five wells are P&A'd, 1 well is a downhole commingle Wolfcamp and Devonian Producer and 2 wells are Devonian producers. The 3 producers are operated by NMR Energy LLC The well tabulation is also attached. See "Attachment A" - Tabulation of Wells.

1. Daily average injection rate is expected to be 15,000 BWPD. Maximum daily injection rate would be approximately 20,000 BWPD. The system will be closed.
2. The proposed average injection pressure is expected to be 1,500 psi and the maximum injection pressure is expected to be 2,500 psi. A step rate injection test may be run to determine maximum injection pressure. The results of the test will be submitted to NMOCD.
3. Please find attached the water analysis for a well producing from the Devonian formation. (Attachment "B")

ITEM VIII

The King, South (Devonian) field is located in northeastern Lea County, New Mexico, nine miles southeast of Tatum, New Mexico along the southeastern rim of the Northwestern Shelf.

The majority of the production in the King, South field has been from the Devonian dolomite (624 MBO from 6 wells) at an average depth of 12,650 feet with minor, secondary production from the Wolfcamp limestone (56 MBO from 1 well) from a depth of 9400 feet. The proposed water disposal well, Post #1, is on the eastern edge of the field (1N, T-14S, R-37E) encountering the Devonian at 12,696' (150 feet above the original oil-water contact) in January, 1983. This well produced from the Devonian until converted to a water disposal well in April, 1985 (SWD shut-in in May, 1991). NMR proposes to re-open the old injection perforations (12,729 feet to 12,802 feet) in the Devonian. Potable water exists from surface to approximately 170 feet in the Ogallala sands in the Tertiary system. No sources of drinking water exist below the proposed injection interval.

ITEM IX

The disposal interval will be acidized in the future with 15% NEFE.

ITEM X

Logs and test data should have been submitted when well was originally drilled

ITEM XI

There are some water wells located in Sec 1. A typical fresh water well analysis is included for review.

ITEM XII

The geological and engineering staff of NMR Energy LLC has examined available geologic and engineering data and has found no evidence of open faults or any other hydrological connection between the disposal zone and any underground sources of drinking water.

ITEM XIII

A copy of the notice of application has been furnished to the surface owner:

**Bos Dairy, LLC
303 State Highway 83
Lovington, New Mexico 88260**

Unleased mineral interest owners have also been notified. Copies of the certified letter receipts are attached.

CURRENT

GL: 3,831' KB: 3,846'

Post No. 1

990' FSL & 1650' FWL

Unit N, Sec 1, T-14-S, R-37-E

Lea County, NM

API# 30-025-27984

Well Type: Shut-in (5/91)

Spud Date: (10/30/82)

COMPLETED: 1/15/1983

POTENTIAL: 443 BO + 23 BW, 46.2° API

GOR 503, FTP 790 psi $1\frac{1}{64}$ " chk

Note:

April of 1985 well converted to SWD.

Re-completed in Wolfcamp (2/25/91).

Current Eqpt

Tbg	None
Rods	None
Pump	None
BPU	None

Formation Tops

T/Yates	3155
T/San Andres	4601
T/Abo	8030
T/Wolf	9400
T/Miss	11,607
T/Dev	12,698
OWC	12,846

original

17½" hole

13½" 54.5# @ 416' w/ 500 sx
TOC: Circulated to Surface

TOC @ 2,160' by TS

12¼" hole

8⅝" 32# @ 4,650' w/ 2,000 sx
Did not Circ.

TOC: 8280' by calculation

CIBP @ 9,350' (3/2005) Tested 500 psi & Witnessed by Billy Pritchard w/ OCD

WOLFCAMP

Perfs 9,404'-94', 22 shots (4/91)

Perfs 9,534'-39', 5 shots (4/91) High Sw - wet

Set RBP @ 9,570'. Acid perfs 9,400-9,539' w/ 250 gals spot + 5400 gals 15% gelled acid + BS.

Had Communication between perfs

Tagged RBP @ 9,541' w/ slickline (8/3/00)

Possible Perfs 10,018'-026' (per wo procedure)

Plug @ ~ 12,650' Probably a Lok-Set Pkr

Converted to SWD (4/85)

DEVONIAN

Perfs 12,729'- 58' w/ 30 holes

Sqzd perfs w/ 200sx cmt (6/84)

Re-Perf 12,729'- 50' w/ 4 JSPF(88 holes)

Add Perfs 12,790'- 802' (2JSPF) (4/85)

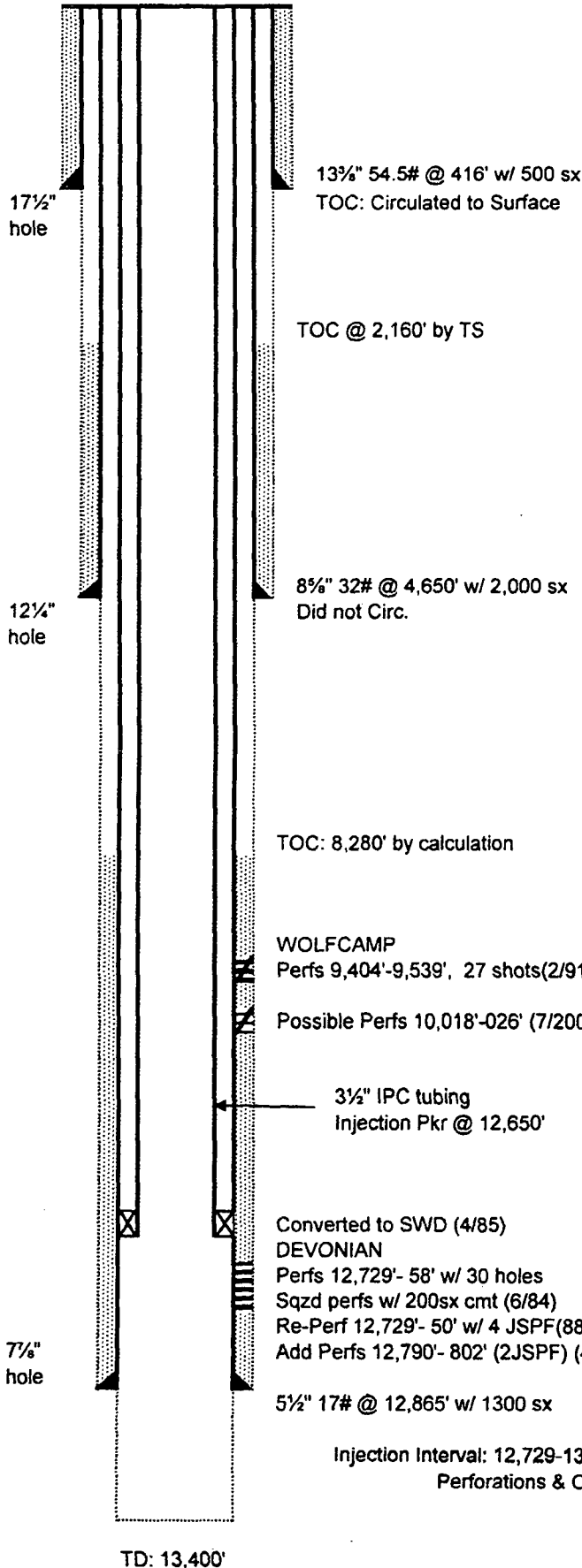
5½" 17# @ 12,865' w/ 1300 sx

7⅞" hole

TD: 12,867'

PROPOSED

GL: 3,831' KB: 3,846'



Post No. 1 SWD

990' FSL & 1650' FWL
Unit N, Sec 1, T-14-S, R-37-E
Lea County, NM
API# 30-025-27984

Spud Date: (10/30/82)

COMPLETED: 1/15/1983

POTENTIAL: 443 BO + 23 BW, 46.2° API

GOR 503, FTP 790 psi 1 1/4" chk

Note:

April of 1985 well converted to SWD.

Re-completed in Wolfcamp (2/25/91).

Well Type: SWD: Devonian 12,729-13,400

Formation Tops	
T/Yates	3,155 ft
T/San Andres	4,601 ft
T/Abo	8,030 ft
T/Wolf	9,400 ft
T/Miss	11,607 ft
T/Dev	12,698 ft
OWC	12,846 ft
Montoya	13,652 ft

ORIGINAL

Sqz Wolfcamp
Perfs
w/200 sx

Max Injection Rate 20,000 BPD
Max Injection Pressure 2,500 psi
Avg. Injection Rate 15,000 BPD
Avg. Injection Pressure 1500 psi
Injection Tubing 3 1/2" L-80 IPC Tubing
Injection Interval 12,729' to 13,400' Devonian

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico	
T. Anhy	2207	T. Canyon	10,882	T. Ojo Alamo	T. Penn A"
T. Salt		T. Strawn	11,154	T. Kirtland	T. Penn. "B"
B. Salt		T. Atoka	11,394	T. Fruitland	T. Penn. "C"
T. Yates	3182	T. Miss	11,806	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers		T. Devonian	12,656	T. Cliff House	T. Leadville
T. Queen	3958	T. Silurian		T. Menefee	T. Madison
T. Grayburg		T. Montoya	13,610	T. Point Lookout	T. Elbert
T. San Andres	4610	T. Simpson	13,884	T. Mancos	T. McCracken
T. Glorieta	6114	T. McKee	TD - 13,994	T. Gallup	T. Ignacio Otzte
T. Paddock		T. Ellenburger		Base Greenhorn	T. Granite
T. Blinbry	6769	T. Gr. Wash		T. Dakota	
T. Tubb	7357	T. Delaware Sand		T. Morrison	
T. Drinkard		T. Bone Springs		T. Todilto	
T. Abo	8038	T.		T. Entrada	
T. Wolfcamp	9394	T.		T. Wingate	
T. Penn	10,590	T.		T. Chinle	
T. Cisco (Bough C)		T.		T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from 9,430' to 9,490' No. 3, from.....to.....
 No. 2, from 12,750' to 12,810' No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
0	2207	2207	Surface bed, sand, shale				
2207	3182	975	Anhydrite, shael salt				
3182	3958	776	Sand, Sahel, Anhy.				
3958	4610	652	Dolo, shale, slat				
4610	6114	1504	Dolo, Anhydrite				
6114	6769	655	Dolo, sand				
6769	7357	588	Dolo, Anhyraite				
7357	8038	681	Dolo, Sand				
8038	9394	1356	Shale, Dolomite				
9394	10590	1196	Limestone, Shale				
10590	10882	292	Limestone, Shale				
10882	11154	272	Limestone, Shale				
11154	11394	240	Limestone, Shale				
11394	11806	412	Shale, Sand, Limestone				
11806	12656	850	Limestone, chert				
12656	13610	1045	Dolomite, Limestone				
13610	13884	274	Dolomite, Limestone				
13884	13994	110	Sand, Lime, Shale				

Post #1 SWD

4 37

14 31

NMR Energy LLC
800 Bering Drive Suite 250 Houston Texas 77057
Application for Authorization to Inject
Post #1 SWD
30-025-27984
N, Sec 1, T-14-S R-37-E
Lea County, New Mexico
Lease Ownership Map
1/2 Mile Radius - Area of Review

MANZANO OIL
RUM POINT STATE

30025365900000 • 2

TD - 10,320
Cum Oil- 105,249
Cum Gas - 139,980

ANSON PET
MCCRORY

30025227620000 • 1

TD - 12,706
Cum Oil- 3,274
Cum Gas - 0

EXXON
EM STATE

30025290050000 • 1

TD - 12,800
Cum Oil- 33,806
Cum Gas - 16,523

TD - 13,108

3002522690000 • 1

READ & STEVENS
SOUTH KING

TD - 13,000
Cum Oil- 965
Cum Gas - 0

PUBCO
STATE 34

30025213190000 • 11

TD - 12,800
TRAINER C W
KING
30025213190001

30025281980001

TD - 12,745

UNION TEXAS

30025281980002 BARNHILL

30025281980000 111

TD - 12,745
Cum Oil- 189,377
Cum Gas - 134,805

AMERCN EXPLORATION
BARNHILL
LINDEMUTH&ASSOC INC
BARNHILL

30025279840002

30025279840001

TD - 12,867
UNION TEXAS
POST 1

30025279840000 1 WD-1

TD - 12,830
Cum Oil- 73,288
Cum Gas - 56,667

UNION TEXAS PET CORP
POST
LINDEMUTH&ASSOC INC
POST

UNION TEXAS
POST

30025282950000 • 2

TD - 12,125
Cum Oil- 214,569
Cum Gas - 213,322

UNION TEXAS
POST

30025285760000 • 3

TD - 14,000
Cum Oil- 151,126
Cum Gas - 143,745

W C
Producers

TD - 13,005

TEXAS CRUDE
HEIDEL

30025051020000 • 1-1WD-1

TD - 13,005

UNION TEXAS PET CORP
HEIDEL

30025051020001

(12622-12642)
Dev 1

0 727
FEET

NMR Energy LLC
800 Bering Drive Suite 250 Houston Texas 77057
Application for Authorization to Inject
Post #1 SWD
30-025-27984
N, Sec 1, T-14-S R-37-E
Lea County, New Mexico
Lease Ownership Map
½ Mile Radius – Area of Review

Application for Authorization to Inject

NMR Energy LLC

Post #1 SWD

30-025-27984

N, Sec 1, T14S, R37E

990' FSL & 1650. FWL

Lea County, New Mexico

Table of Wells within the 1/2 mile radius (area of review)

	<u>Operator</u>	<u>Well Name</u>	<u>API #</u>	<u>Spud Date</u>	<u>Location</u>	<u>TD</u>	<u>Comments</u>
1.	An-son Corp.	McCrory #1	30-025-22762	9/21/1968	2361' FNL, 330' FWL Sec 1, T14S, R37E Unit E	12,900'	P&A'd /70
		Csg Detail: 13 3/8" @ 368' with 400 sx 8 5/8" @ 4665' with 685 sx 5 1/2" @ 11,220' with 300 sx					
2.	NMR ENERGY LLC	Barnhill #1	30-025-28198	5/17/1983	1650' FSL, 990' FWL Sec 1, T14S, R37E Unit L	12,745'	Active Wolfcamp 9406'-9452' <i>also active stream</i>
		Csg Detail: 13 3/8" @ 405' with 500 sx 8 5/8" @ 4668' with 2200 sx 5 1/2" @ 12,744' with 3975 sx					
3.	NMR ENERGY LLC	Post #2	30-025-28295	8/25/1983	700' FSL, 467' FWL Sec 1, T14S, R37E Unit M	12,745'	Active Devonian 12,666' - 12,686' <i>PLUGGED</i> <i>Perfs are 12,622-642</i>
		Csg Detail: 13 3/8" @ 406' with 500 sx 8 5/8" @ 4649' with 2000 sx 5 1/2" @ 12,745' with 3025 sx					
4.	Union Texas Pet Corp	Heidel SWD #1	30-025-05102	9/29/1958	1650' FSL, 2310' FEL Sec 1, T14S, R37E Unit J	13,005'	P&A'd 5/83
		Csg Detail: 13 3/8" @ 305' with 350 sx 9 5/8" @ 4674' with 800 sx					
5.	NMR ENERGY LLC	Post #3	30-025-28576	2/7/1984	330' FNL, 330' FWL Sec 12, T14S, R37E Unit D	14,000'	<i>PLUGGED BACK</i> Active Devonian 12,688' - 12,808' <i>Open now in WC</i> <i>9,442-9468</i>
		Csg Detail: 13 3/8" @ 420' with 500 sx 8 5/8" @ 4671' with 2000 sx 5 1/2" @ 14000' with 2900 sx					
6.	JFG Enterprise	New Mexico "EM" State # 1	30-025-29005	12/15/1984	1650' FSL, 330' FEL Sec 2, T14S, R37E Unit 1	12,800'	P&A'd 11/93
		Csg Detail: 13 3/8" @ 450' with 500 sx 9 5/8" @ 4999' with 1750 sx 5 1/2" @ 12782' with 2250 sx					
7.	Trainer Corporation	King #1	30-025-21319	4/21/1965	660' FSL, 330' FEL Sec 2, T14S, R37E Unit P	13,000'	P&A 10/65
		Csg Detail: 13 3/8" @ 308' with 300 sx 9 5/8" @ 4681' with 500 sx 4 1/2" @ 12788' with 400 sx					
8.	Read & Stevens Inc.	South King #1	30-025-24269	10/29/1972	1200' FSL, 660' FEL Sec 2, T14S, R37E Unit P	13,100'	P&A 12/92
		Csg Detail: 12 3/4" @ 380' with 400 sx 8 5/8" @ 4690' with 425 sx					

GL: 3,832' KB: 3,854'

Post No. 2

700' FSL & 467' FWL
Sec 1, T-14-S, R-37-E
Lea County, NM
API# 30-025-28295

Well Type: Active

Spud Date: (8/25/83)

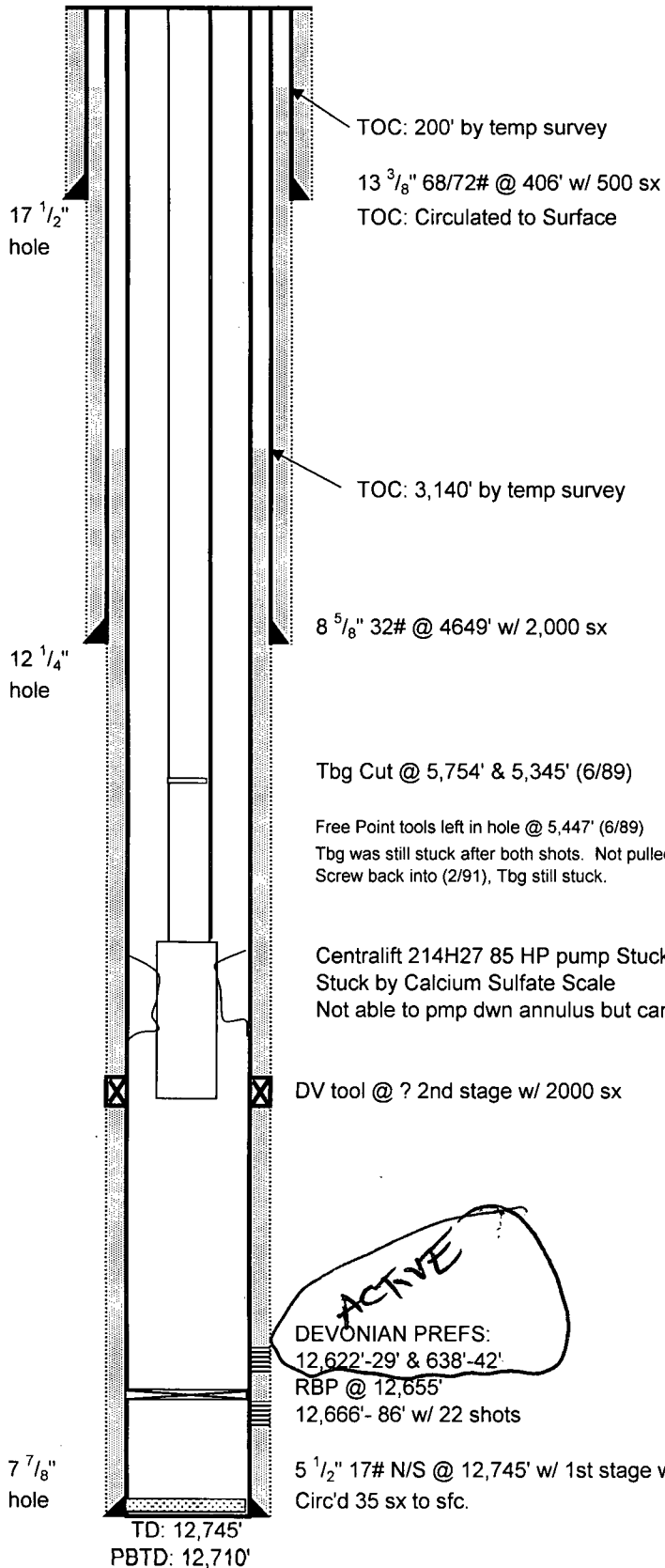
Completed: 10/27/1983

POTENTIAL: Fing 600 BO + 0 BW + 365 MCF

24/64" chk 360 psi, GOR 768, 46 ° API

Current Eqpt

Tbg	196 jts (6,000') 2-3/8" N-80
Rods	None
Pump	Centralift 214H27 85 HP pump (Motor 33', Seal 6', Gas Sep 3', Pump 20')



2/9/11 MLS

Jones, William V., EMNRD

From: Mike Reeves [petrofox@t3wireless.com]
Sent: Thursday, October 27, 2005, 10:20 AM
To: Jones, William V., EMNRD
Subject: FW: SWD Application from Platinum for the Post #1

Will,
This well is geologically low to the offset well and should have no adverse effect on the producing well.

J. Michael Reeves
Drilling Engineer
Platinum Exploration
432-894-1627
petrofox@t3wireless.com

From: petrofox@aol.com [mailto:petrofox@aol.com]
Sent: Thursday, October 27, 2005 8:20 AM
To: petrofox@t3wireless.com
Subject: Fwd: SWD Application from Platinum for the Post #1

Platinum Exploration
J. Michael Reeves
petrofox@aol.com
432-894-1627 cell
432-687-1664 ofc.

-----Original Message-----

From: Jones, William V., EMNRD <William.V.Jones@state.nm.us>
To: petrofox@aol.com
Sent: Wed, 26 Oct 2005 10:13:11 -0600
Subject: SWD Application from Platinum for the Post #1

Hello Mike:
Julie gave me your name as a contact.

I am working on all of Platinum's SWD applications and will have them out today - but, I need a statement from you as to why you are re-opening perforations above the original oil-water contact in this well to use for water injection. Why don't you just deepen the hole and inject below the old oil-water contact. I noticed you have an active Devonian well very close to this one. I also realise that the interval you want to perforate has been used for injection before...

Please let me know, asap, so I can release this one.

Regards,

William V. Jones

Engineering Bureau

Oil Conservation Division

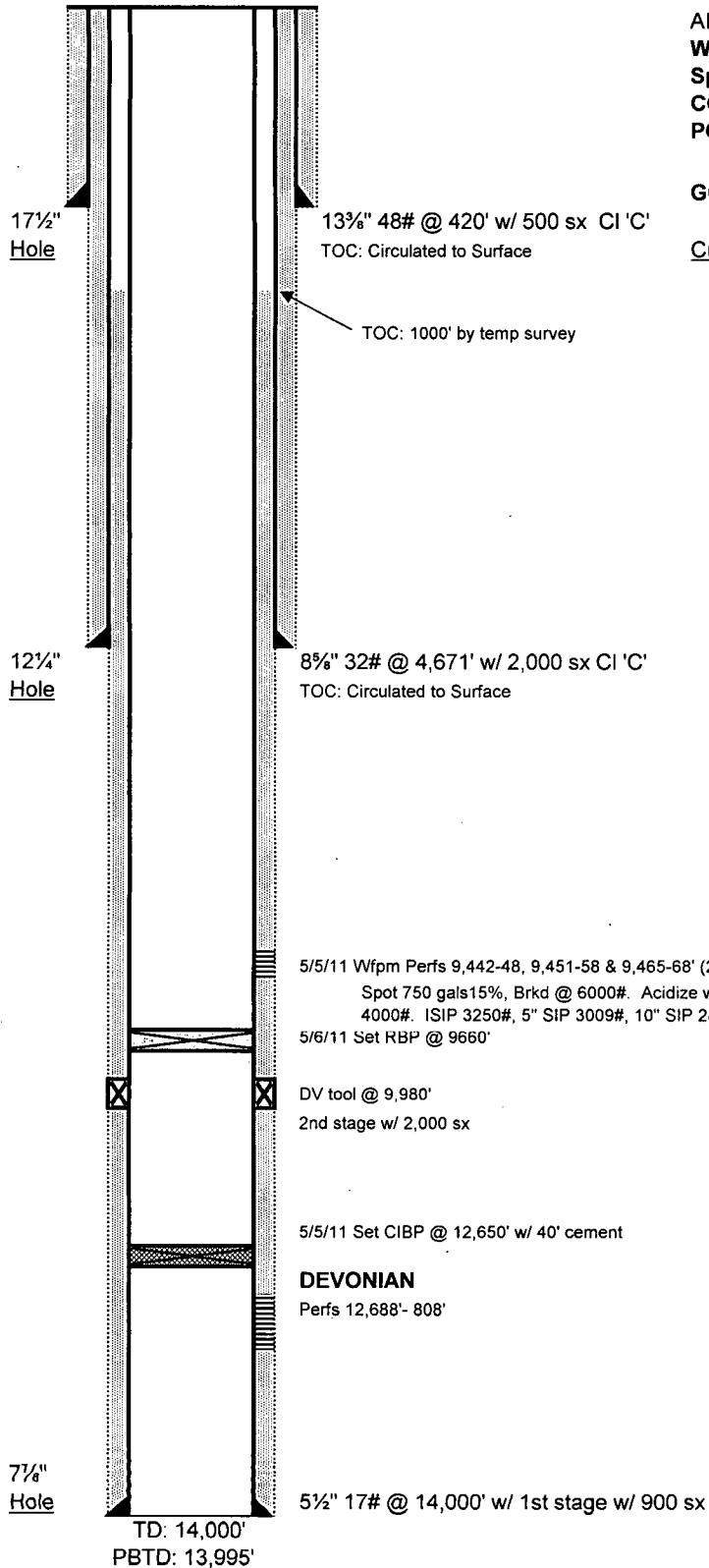
Santa Fe

Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and

10/27/2005

CURRENT

GL: 3,833' KB:



Post No. 3

330' FNL & 330' FWL

D, Sec 12, T-14-S, R-37-E

Lea County, NM

API# 30-025-28576

Well Type: Shut-in (2/94)

Spud Date: (2/7/84)

COMPLETED: 4/27/1984

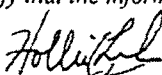
POTENTIAL: 413 BO + 0 BW

347 MCF, 46.5° API

GOR 840, FTP 400 psi ¹⁶/₆₄" chk

Current Eqpt

Tbg	None
Rods	None
Pump	None
BPU	None

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., 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 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised August 1, 2011								
		1. WELL API NO. 30-025-28576								
		2. Type of Lease <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> FED/INDIAN								
		3. State Oil & Gas Lease No.								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG										
4. Reason for filing: <input checked="" type="checkbox"/> COMPLETION REPORT (Fill in boxes #1 through #31 for State and Fee wells only) <input type="checkbox"/> C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)		5. Lease Name or Unit Agreement Name Post								
		6. Well Number: 3								
7. Type of Completion: <input type="checkbox"/> NEW WELL <input type="checkbox"/> WORKOVER <input type="checkbox"/> DEEPENING <input type="checkbox"/> PLUGBACK <input checked="" type="checkbox"/> DIFFERENT RESERVOIR <input type="checkbox"/> OTHER										
8. Name of Operator NMR Energy LLC		9. OGRID 280401								
10. Address of Operator 800 Bering, STE 250, Houston Texas, 77057		11. Pool name or Wildcat King (Wolfcamp)								
12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	D	12	14S	37E		330	N	330	W	Lea
BH:										
13. Date Spudded 2/7/84	14. Date T.D. Reached 4/12/84	15. Date Rig Released 4/26/84		16. Date Completed (Ready to Produce) 12/29/2011		17. Elevations (DF and RKB, RT, GR, etc.) KB - 3854'				
18. Total Measured Depth of Well 14,000		19. Plug Back Measured Depth 12,650'		20. Was Directional Survey Made? No		21. Type Electric and Other Logs Run DLL, GR/Son				
22. Producing Interval(s), of this completion - Top, Bottom, Name Wolfcamp - 9442' to 9468'										
23. CASING RECORD (Report all strings set in well)										
CASING SIZE		WEIGHT LB/FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED
13-3/8		48		420		17-1/2		500 sx 1C		None
8-5/8		32		4671		12-1/4		2000 sx 1C		None
5-1/2		17		14,000		7-7/8		2900 sx 1H		None
24. LINER RECORD						25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN		SIZE	DEPTH SET	PACKER SET		
26. Perforation record (interval, size, and number) 9442'-48", 9451'-58", 9465'-68" - 2 spf Total 35 holes						27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
						DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED		
						9442-9468		2750 Gals 15% NEFE		
						9442-9468		74,958 gals of fluid and 61996# of 20/40 SLC		
28. PRODUCTION										
Date First Production 12-May 2012			Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping				Well Status (Prod. or Shut-in) Prod			
Date of Test 6/6/2012	Hours Tested 24 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl 17	Gas - MCF Trace	Water - Bbl. 16	Gas - Oil Ratio			
Flow Tubing Press. 100	Casing Pressure 0	Calculated 24-Hour Rate	Oil - Bbl. 17	Gas - MCF Trace	Water - Bbl. 16	Oil Gravity - API - (Corr.)				
29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented							30. Test Witnessed By Ken Roger			
31. List Attachments										
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.										
33. If an on-site burial was used at the well, report the exact location of the on-site burial:										
Latitude Longitude NAD 1927 1983										
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief										
Signature 		Printed Name Hollie Lamb		Title Consulting Engineer			Date June 14, 2012			
E-mail Address hlamb@helmsol.com										

District I
1525 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address NMR ENERGY LLC 860 BERING, STE 250 HOUSTON, TX 77057		² OGRID Number 280401
		³ Reason for Filing Code/ Effective Date Recompletion
⁴ API Number 30 - 025-28576	⁵ Pool Name King Wolfcamp	⁶ Pool Code 36100
⁷ Property Code 309306	⁸ Property Name POST	⁹ Well Number 003

II. ¹⁰ Surface Location

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	14S	37E	M	330	N	330	W	LEA

¹¹ Bottom Hole Location

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	14S	37E	M	330	N	330	W	LEA

¹² Use Code P	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

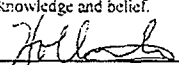
¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
277961	BKEP CRUDE, LLC. 11501 S Interstate 44 Service Rd Oklahoma City, OK 73173	OIL

IV. Well Completion Data

²¹ Spud Date	²² Ready Date 6/4/2012	²³ TD 14,000	²⁴ PBDT 12,650	²⁵ Perforations 9442-9468	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	420		500 Sx C	
12-1/4	8-5/8	4671		2000 Sx C	
7-7/8	5-1/2	14,000		2900 Sx C	
	2-3/8	9542			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
6/6/2012		6/6/2012	24 hrs	100#	0#
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method.
	17	16	Trace		Pumping

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: HOLLIE LAMB		Approved by:	
Title: REGULATORY AFFAIRS COORDINATOR		Title:	
E-mail Address: hlamb@helmsoil.com		Approval Date:	
Date: 04/24/2012	Phone: 432 682 1122		

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 July 16, 2010
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-28576	² Pool Code 36100	³ Pool Name King Wolfcamp
⁴ Property Code 309306	⁵ Property Name Post	
⁷ OGR/D No. 280401	⁶ Operator Name NMR Energy, LLC	⁸ Well Number 3 ⁹ Elevation 3854

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	14S	37E		330'	North	330	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1 dn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code N/A		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.

¹⁶ 				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature 6/14/2012 Date Hollie Lamb Printed Name hlamb@helmsoil.com E-mail Address	
					¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number

District I
1625 N. French Dr., Hobbs, NM 88240
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811 S. First St., Artesia, NM 88210
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-104
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address NMR ENERGY LLC 800 BERING, STE 250 HOUSTON, TX 77057		² OGRID Number 280401
		³ Reason for Filing Code/ Effective Date Change of Operator
⁴ API Number 30 - 025-28576	⁵ Pool Name King Wolfcamp	⁶ Pool Code 36100
⁷ Property Code 309306	⁸ Property Name POST	⁹ Well Number 003

II. ¹⁰ Surface Location

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	12	14S	37E	M	330	N	330	W	LEA

¹¹ Bottom Hole Location

U/I or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	12	14S	37E	M	330	N	330	W	LEA
¹² Lse Code P	¹³ Producing Method Code F	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
277961	BKEP CRUDE, LLC. 11501 S Interstate 44 Service Rd Oklahoma City, OK 73173	OIL

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 100#	³⁶ Csg. Pressure 0#
6/6/2012		6/6/2012			
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas Trace		⁴¹ Test Method Pumping
	17	16			

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.
Signature:

Printed name:
HOLLIE LAMB
Title:
REGULATORY AFFAIRS COORDINATOR
E-mail Address:
hlamb@hclmsoil.com
Date:
04/24/2012

Phone:
432 682 1122

OIL CONSERVATION DIVISION

Approved by:

Title:

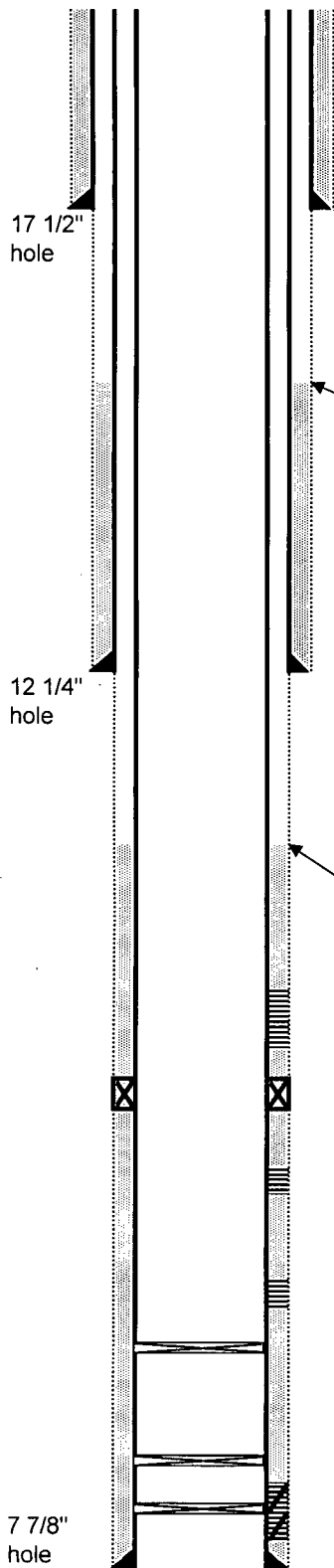
Approval Date:

Barnhill No. 1

1650' FSL & 990' FWL
L, Sec 1, T-14-S, R-37-E
Lea County, NM
API# 30-025-28198

Well Type: Active (Wolfcamp)
Spud Date: (5/17/83)
Wolf Rec (2/90)

GL: 3831' KB:



13 3/8" 48#, 54# & 72# @ 405' w/ 500 sx
TOC: Circulated to Surface

Current Eqpt

Tbg 299 jts 2-3/8", TAC, 4 jts, SN, PS, BPMA
Rods 3/4"x6' sub, 362 - 3/4", 16 - 7/8"
Pump 2-1/2x1-1/2"x22' RHBC
BPU Cabot 320D, SN D320 40B, 84" SL (84"-43", 5 holes)

TOC: 2760' by temp survey (5/83)

8 5/8" 32# @ 4668' w/ 2200 sx

Formation Tops	
T/Yates	3168
T/SA	4600
T/Wolf	9402
T/Atoka	11,424
T/Mssp	11,607
T/Dev	12,644

TOC: 6400' by temp survey (7/83)

Wolfcamp Perfs 9,406'-08, 9,414-18', 9,425-27', 9,432-36', 9,440-44' & 9,448-52' (1/90)
Acid w/ 100 g spot + 1900 g 15% w/ 104 BS. ReAcid w/ 5000 g 20% w/ 50 BS

DV tool @ 9985'

M/Wfmp Perfs 10,018'- 10,026' (7/00)

RBP @ 10119'. Acid w/ 250 spot. Swbd wtr. ReAcid w/ 750 gals. Pkr failed. Swbd wtr w/ ssg
Recover RBP & DH commingle Strawn, M/Wfmp & Wfmp. POP.

Strawn Perfs 11,130'- 11,136' (7/00)

Acid w/ 250 spot + 500 gal + 750 gals w/ BS. Swbd dry
CIBP @ 11,300' (7/00)

Plug Back to 12,590' w/ CIBP (1/90)

Perfs 12,657'- 70' (2 JSPF) Acid w/ 100 gal 15% POP

CICR @ 12,690'

Perfs 12,706'-18' (1 SPF) Acid w/ 100 gal 15%. Swbd 26 BW in 10 hrs

5 1/2" 17# & 20# @ 12,744' w/ 2975 sx in two stages

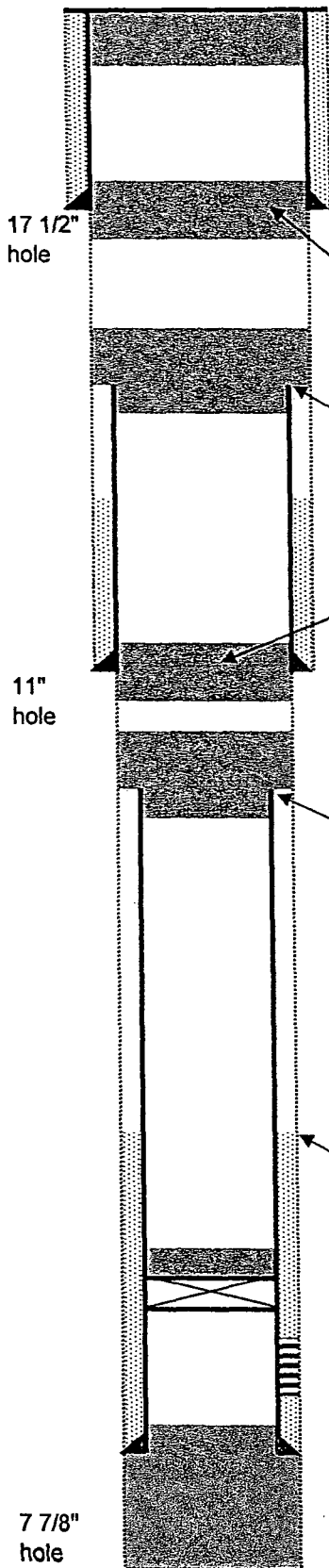
TD: 12,745'
PBTD: 12,590' (2/90)

McCrary No. 1

2361' FNL & 330' FWL
Sec 1, T-14-S, R-37-E
Lea County, NM
API# 30-025-22762

Well Type: Plugged (9/70)
Spud Date: (9/21/68)

GL: 3837' KB:



Cmt plug @ Surface
w/ 15 sx (9/70)

13 3/8" 48# @ 368' w/ 400 sx
TOC: Circulated to Surface

Cmt plug @ 368' w/ 50 sx (9/70)

8 5/8" Csg cut & pulled @ 1130' (9/70)
Cmt plug at 8 5/8" Csg stub @ 1130' w/ 25 sx (9/70)

TOC: 1,820' Calc w/20% ex

Cmt plug @ 4665' w/ 25 sx (9/70)

8 5/8" 24# & 32# @ 4665' w/ 685 sx

5 1/2" Csg cut & pulled @ 5303' (9/70)
Cmt plug at 5 1/2" Csg stub @ 5303' w/ 25 sx (9/70)

TOC: 9175'; Calc w/20% ex

CIBP set @ 10,830' w/ 20' cement on top (9/70)

Perfs 11,053'- 67' w/ 2 holes per foot
Perfs 11,133'- 38' w/ 2 holes per foot -Sqz'd w/ 50 sx (12/68)

5 1/2" 17# & 20# @ 11,220' w/ 300 sx

7 7/8"
hole

TD: 12,900'
PBTD: 11,100'

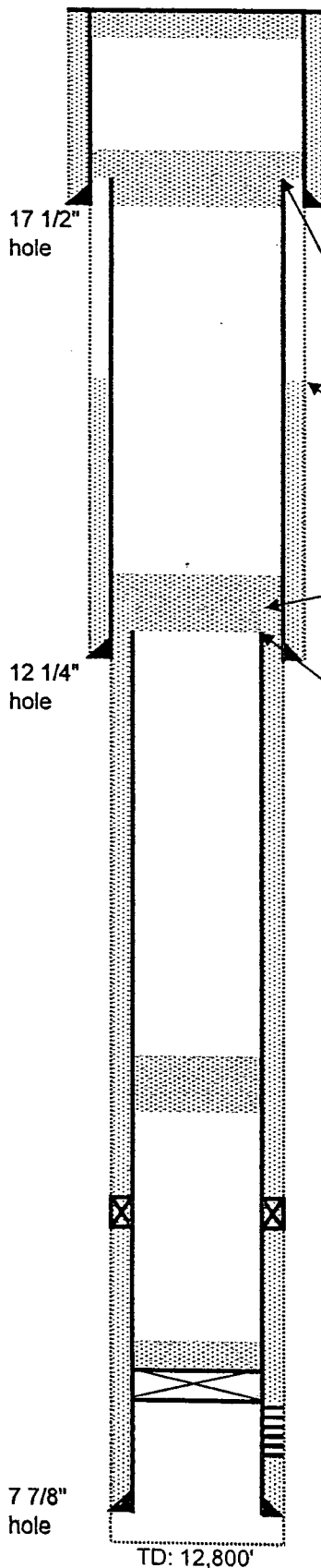
Formation Tops	
T/SA	4570
T/Wolf	9402
T/Mssp	12,003
T/dev	12,851

New Mexico "EM" State No. 1

1650' FSL & 330' FEL
I, Sec 2, T-14-S, R-37-E
Lea County, NM
API# 30-025-29005

Well Type: Plugged (11/93)
Spud Date: (12/15/1984)

GL: 3836' KB: 3857'



Set 10 sx Surface Plug

13 3/8" 61# @ 450' w/ 500 sx
TOC: Circulate out est. 120 sx

Mix & pump 65 sx cmt & displace w/ 2 BMLF (11/93)
TOC: Tagged @ 297' (11/93)
Cut and pulled 9 5/8" Csg @ 445' (11/93)

TOC: 1110', calculated

Mix & pump 35 sx cmt & displace w/ 28 BMLF (11/93)

TOC: 4883', calculated

9 5/8" 40# @ 4999' w/ 1750 sx

Cut and pulled 5 1/2" Csg @ 4950' (11/93)

W/ Tbg @ 5007'; Mix & pump 40 sx cmt & displace w/ 28 BMLF
TOC: Tagged @ 4937' (11/93)

Load hole w/ MLF; Mix & pump 25 sx cmt & displace w/
55 BMLF

DV Tool @ 10,082'

CIBP set @ 12,560' w/ 5 sx cmt on top (11/93)
Perfs 12,564'- 675'

5 1/2" 15.5# & 17# @ 12,782'
Cmt 1st stage w/ 975 sx & 2nd stage w/ 1275

TD: 12,800'

King No. 1

660' FSL & 330' FEL
P, Sec 2, T-14-S, R-37-E
Lea County, NM
API# 30-025-21319

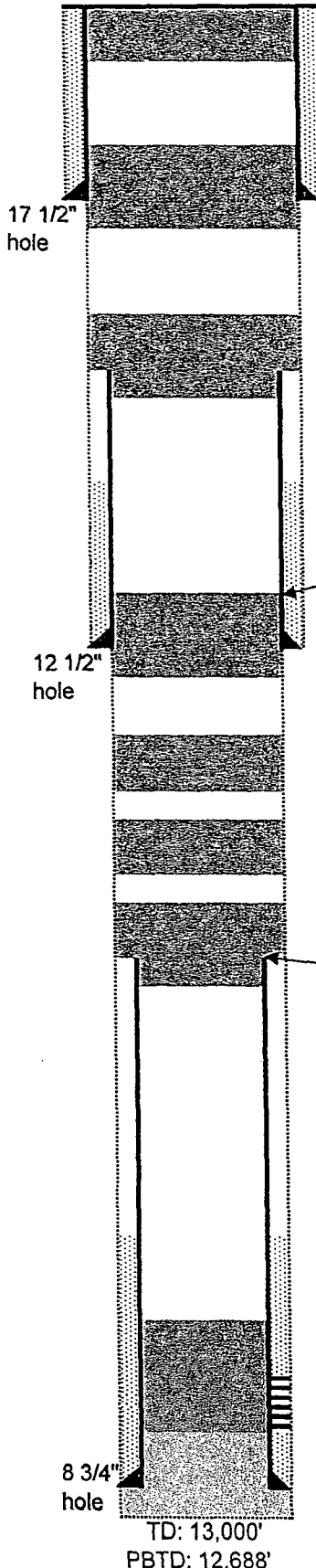
Well Type: Plugged (10/65)

Spud Date: (4/21/65)

Well plugged 7/6/65

Re-entered (7/7/65)

GL: 3836' KB:



Cmt plug @ Surface
w/ 10 sx (10/65)

13 3/8" 48# @ 308' w/ 300 sx
TOC: Surface-Calc w/20% ex
Cmt plug @ 325' w/ 25 sx; TOC: 275' calculated (10/65)

Cut and pulled 9 5/8" Csg @ 1108' (10/65)
Spot 25 sx plug in and out of 9 5/8" Csg stub

TOC: 3160' Calc w/20% ex

Cmt plug @ 4700' w/ 25 sx; TOC: 4625' calculated (10/65)

9 5/8" 32# & 36# @ 4681' w/ 500 sx

Cmt plug @ 5600' w/ 25 sx (10/65)

Cmt plug @ 7300' w/ 25 sx (10/65)

Cut and pulled 4 1/2" Csg @ 8248' (10/65)
Spot 25 sx plug in and out of 4 1/2" Csg stub

TOC: 11,558 Calc w/20% ex

Cmt plug @ 12,688' w/ 25 sx; TOC: 12,300' calculated (10/65)

Perfs 12,520'- 633'

4 1/2" 11.6# @ 12,788' w/ 400 sx

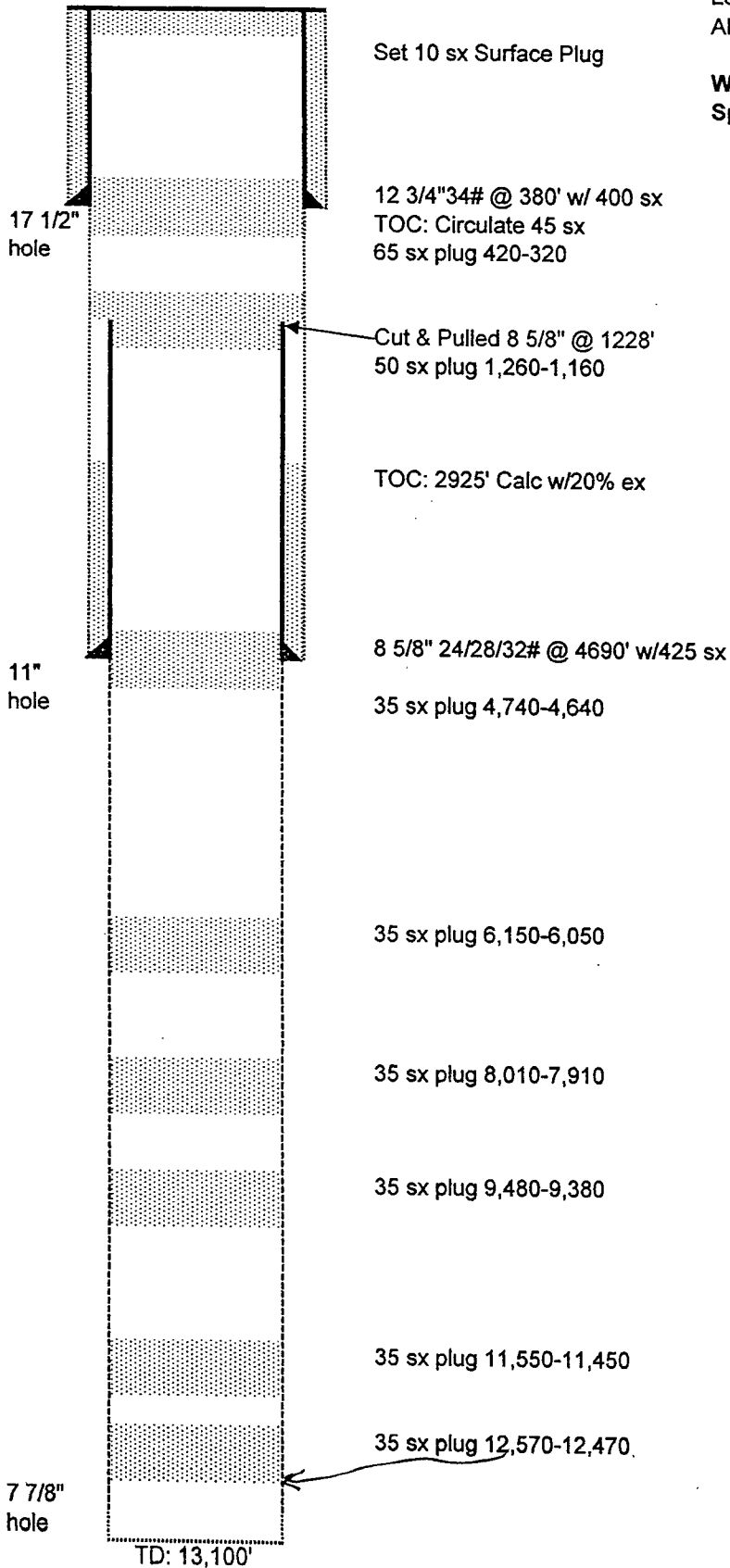
Formation Tops	
T/Yates	3170
T/SA	4660
T/Mssp	11,760
T/Dev	12,526

South King No. 1

GL: 3836' KB: 3857'

1200' FSL & 660' FEL
P, Sec 2, T-14-S, R-37-E
Lea County, NM
API# 30-025-24269

Well Type: Plugged (12/92)
Spud Date: (10/29/72)



Heidel SWD No. 1

1650' FSL & 2310' FEL
Sec 1, T-14-S, R-37-E
Lea County, NM
API# 30-025-05102

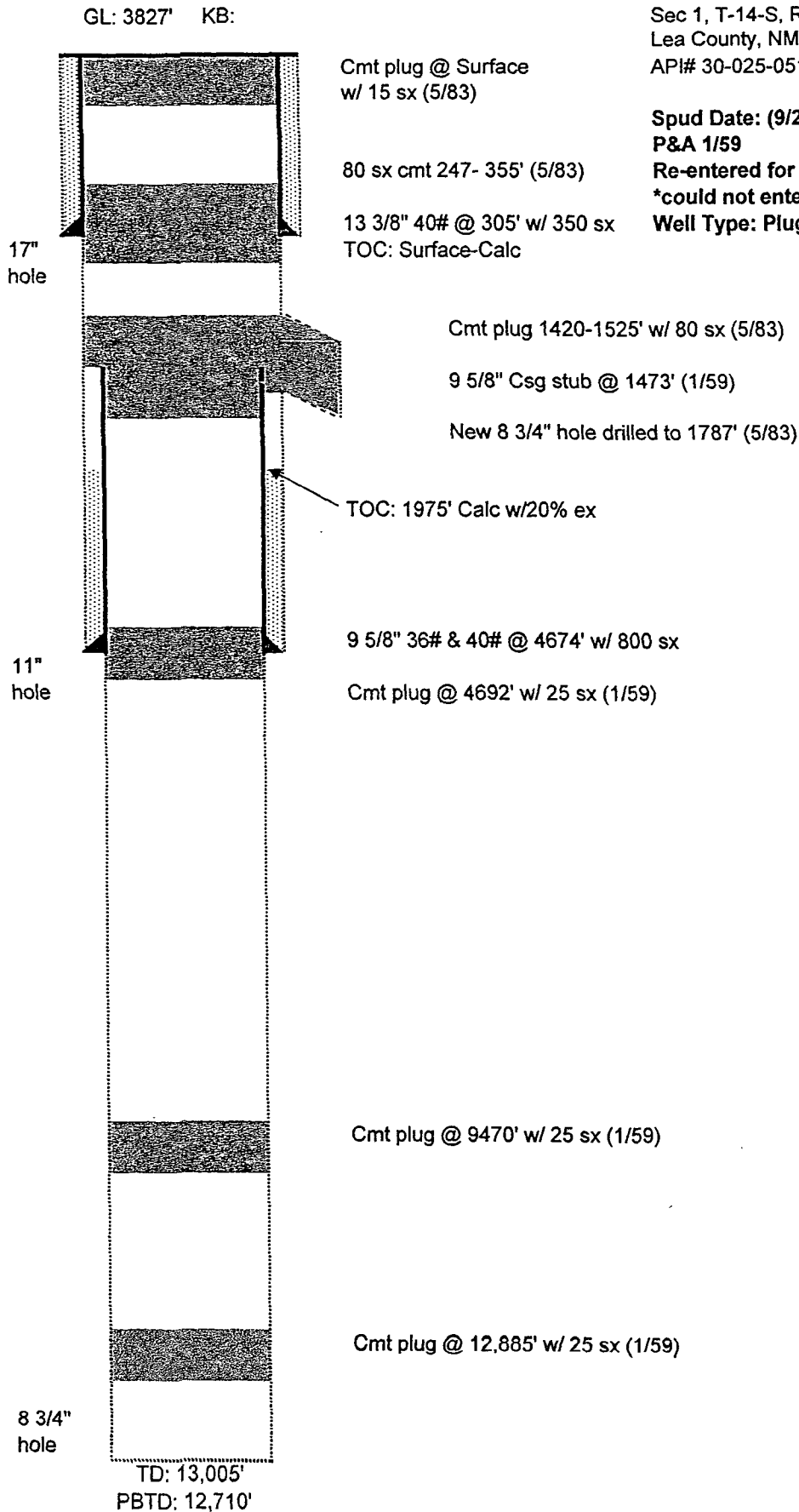
Spud Date: (9/29/58)

P&A 1/59

Re-entered for SWD SA 5/83

*could not enter 9 5/8"

Well Type: Plugged (5/83)



Permian Treating Chemicals

WATER ANALYSIS REPORT

SAMPLE

Oil Co. : WADI Petroleum
Lease : John Schultz
Well No. : # 1
Salesman:

Sample Loc. :
Date Analyzed: 22-June-1995
Date Sampled :

ANALYSIS

John Schultz
30-025-05019
O-13-12S-37E
330' FSL & 1650" FEL

1. pH 6.990
2. Specific Gravity 60/60 F. 1.048
3. CaCO₃ Saturation Index 80 F. +0.270
140 F. +1.180

Dissolved Gasses

4. Hydrogen Sulfide Not Present
5. Carbon Dioxide Not Determined
6. Dissolved Oxygen Not Determined

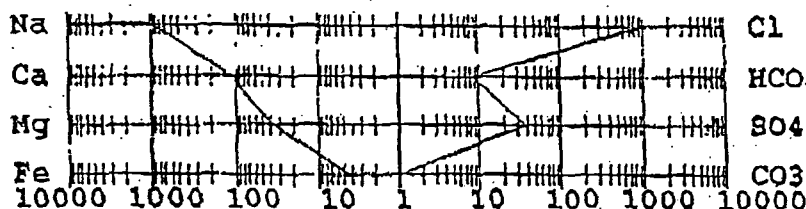
Cations

7. Calcium	(Ca ⁺⁺)	2,204	/	20.1	=	109.65
8. Magnesium	(Mg ⁺⁺)	425	/	12.2	=	34.84
9. Sodium	(Na ⁺)	21,036	/	23.0	=	914.61
10. Barium	(Ba ⁺⁺)	Not Determined				

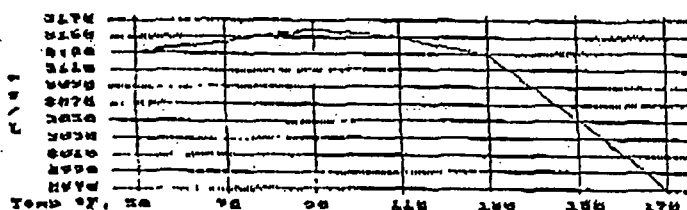
Anions

11. Hydroxyl	(OH ⁻)	0	/	17.0	=	0.00
12. Carbonate	(CO ₃ ⁼)	0	/	30.0	=	0.00
13. Bicarbonate	(HCO ₃ ⁼)	509	/	61.1	=	8.31
14. Sulfate	(SO ₄ ⁼)	1,750	/	48.8	=	35.86
15. Chloride	(Cl ⁻)	35,992	/	35.5	=	1,013.86
16. Total Dissolved Solids		61,915				
17. Total Iron (Fe)		76	/	18.2	=	4.18
18. Total Hardness As CaCO ₃		7,256				
19. Resistivity @ 75 F. (Calculated)		0.157 /cm.				

LOGARITHMIC WATER PATTERN *meq/L.



Calcium Sulfate Solubility Profile



PROBABLE MINERAL COMPOSITION COMPOUND EQ. WT. X *meq/L = mg/L.

Na	Cl	Ca(HCO ₃) ₂	81.04	8.31	674
Ca	HCO ₃	CaSO ₄	68.07	35.86	2,441
Mg	SO ₄	CaCl ₂	55.50	65.48	3,634
Fe	CO ₃	Mg(HCO ₃) ₂	73.17	0.00	0
		MgSO ₄	60.19	0.00	0
		MgCl ₂	47.62	34.84	1,659
		NaHCO ₃	84.00	0.00	0
		NaSO ₄	71.03	0.00	0
		NaCl	58.46	913.55	53,406

*Milli Equivalents per Liter

This water is slightly corrosive due to the pH observed on analysis.
The corrosivity is increased by the content of mineral salts in solution.

Permian Treating Chemicals, Inc

WATER ANALYSIS REPORT

SAMPLE

Oil Co.: Platinum Exploration
 Lease: Denton
 Well No.:
 Location: Sec 27 - T 37
 Attention:

Date Sampled: 06-December-2004 Fresh Water Well
 Date Analyzed: 09-December-2004 Sec 27-T14S-R37E
 Lab ID Number: Dec0904.003- 1 Lea County, NM
 Salesperson:

File Name: F:\ANALYSES\DEC0904.003

ANALYSIS

1. Ph
2. Specific Gravity 60/60 F.
3. CaCO₃ Saturation Index

7.700
 1.003

@ 80F
 @140F

1.248
 1.848

Dissolved Gasses

4. Hydrogen Sulfide
5. Carbon Dioxide
6. Dissolved Oxygen

MG/L. EQ. WT. *MEQ/L
 Not Present
 Not Determined
 Not Determined

Cations

7. Calcium (Ca++)
8. Magnesium (Mg++)
9. Sodium (Na+) (Calculated)
10. Barium (Ba++)

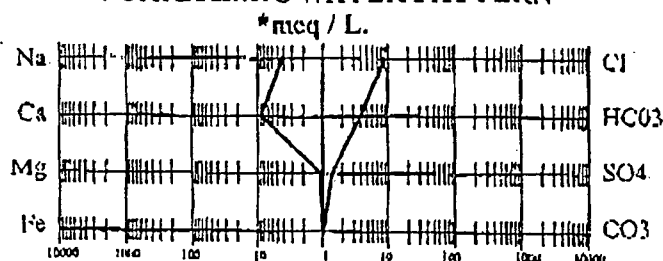
170 / 20.1 = 8.46
 12 / 12.2 = 0.98
 94 / 23.0 = 4.09
 Below 10

Anions

11. Hydroxyl (OH+)
12. Carbonate (CO₃=)
13. Bicarbonate (HCO₃-)
14. Sulfate (SO₄=)
15. Chloride (Cl-)
16. Total Dissolved Solids
17. Total Iron (Fe)
18. Total Hardness as CaCO₃
19. Resistivity @ 75 F, (Calculated)

0 / 17.0 = 0.00
 0 / 30.0 = 0.00
 229 / 61.1 = 3.75
 65 / 48.8 = 1.33
 300 / 35.5 = 8.45
 870
 7 / 18.2 = 0.36
 475
 2.829 Ohm - meters

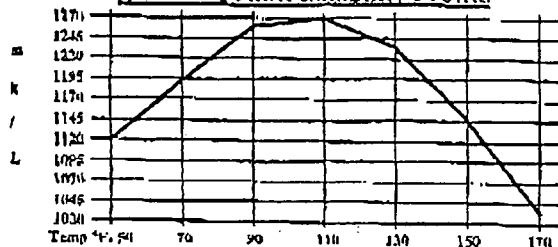
LOGARITHMIC WATER PATTERN



PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*meq/L	= mg/L.
Ca(HCO ₃) ₂	81.04		3.75	304
CaSO ₄	68.07		1.33	91
CaCl ₂	55.50		3.38	187
Mg(HCO ₃) ₂	73.17		0.00	0
MgSO ₄	60.19		0.00	0
MgCl ₂	47.62		0.98	47
NaHCO ₃	84.00		0.00	0
NaSO ₄	71.03		0.00	0
NaCl	58.46		4.09	239

Calcium Sulfate Solubility Profile



**Water Analysis of Fresh Water Wells
Surrounding Proposed SWD Well**

Analysis performed by Halliburton Services Laboratory, Hobbs, New Mexico on 3-3-1983

Well No. as shown on attached map	1	2	3
Resistivity	5.7 at 74°F	11.6 at 74°F	11.4 at 74°F
Specific Gravity	1.004	1.001	1.001
pH	6.6	7.0	7.0
Calcium (Mpl)	150	80	105
Magnesium	21	15	14
Chlorides	450	100	150
Sulfates	450	300	380
Bicarbonates	315	290	270
Soluble Fe	Nil	Nil	Nil
Sodium (calc)	414	198	232
Total Dissolved Solids Milligrams per liter	1800	983	1152

UNION TEXAS PETROLEUM
ANALYSIS OF WATER TO BE DISPOSED
POST #1 WELL

Reservoir	Devonian
Specific Gravity	1.0620
HCO ₃	200 mg/l
CaCO ₃	15,000 mg/l
Ca	3560 mg/l
Mg	1482 mg/l
Na,K	26926 mg/l
SO ₄	1704 mg/l
Cl	50,779 mg/l
Fe	43.7
Total Solids	84,651 mg/l
H ₂ S	0
Rw at 77°F	0.110

Grh
2-28-83

Affidavit of Publication


State of New Mexico,
County of Lea.

I, JUDY HANNA
PUBLISHER

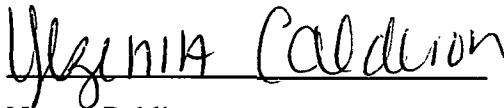
of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).

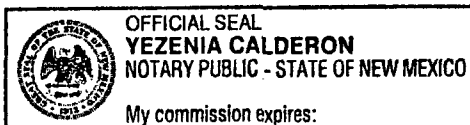
Beginning with the issue dated
May 26, 2012
and ending with the issue dated
May 26, 2012


PUBLISHER

Sworn and subscribed to before me
this 29th day of
May, 2012


Notary Public

My commission expires
February 28, 2016
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL NOTICE MAY 26, 2012

NMR Energy LLC, 800 Bering Drive, Suite 250, Houston, Texas 77057 is filing form CIO8 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, Post # 1 SWD, is located 990' FSL & 1650' FWL of Section 1, Township 14 South, Range 37 East of Lea County, New Mexico. Produced Devonian water will be disposed into the Devonian formation at a depth of 12,729' to 12,802' with a maximum pressure of 2,500 psi and a maximum rate of 20,000 BWPD. Any interested party who has an objection to this application must give notice to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice. Additional information can be obtained by contacting Hollie Lamb at (432) 682-1122.

#27365

67109059

00093557

HOLLIE LAMB
HELMS OIL & GAS, LLC
PO BOX 52808
MIDLAND, TX 79710

CERTIFIED MAIL™

NMR Energy, LLC
c/o HeLMS
P.O. Box 52808
Midland, TX 79710

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Total Postage & Fees	\$

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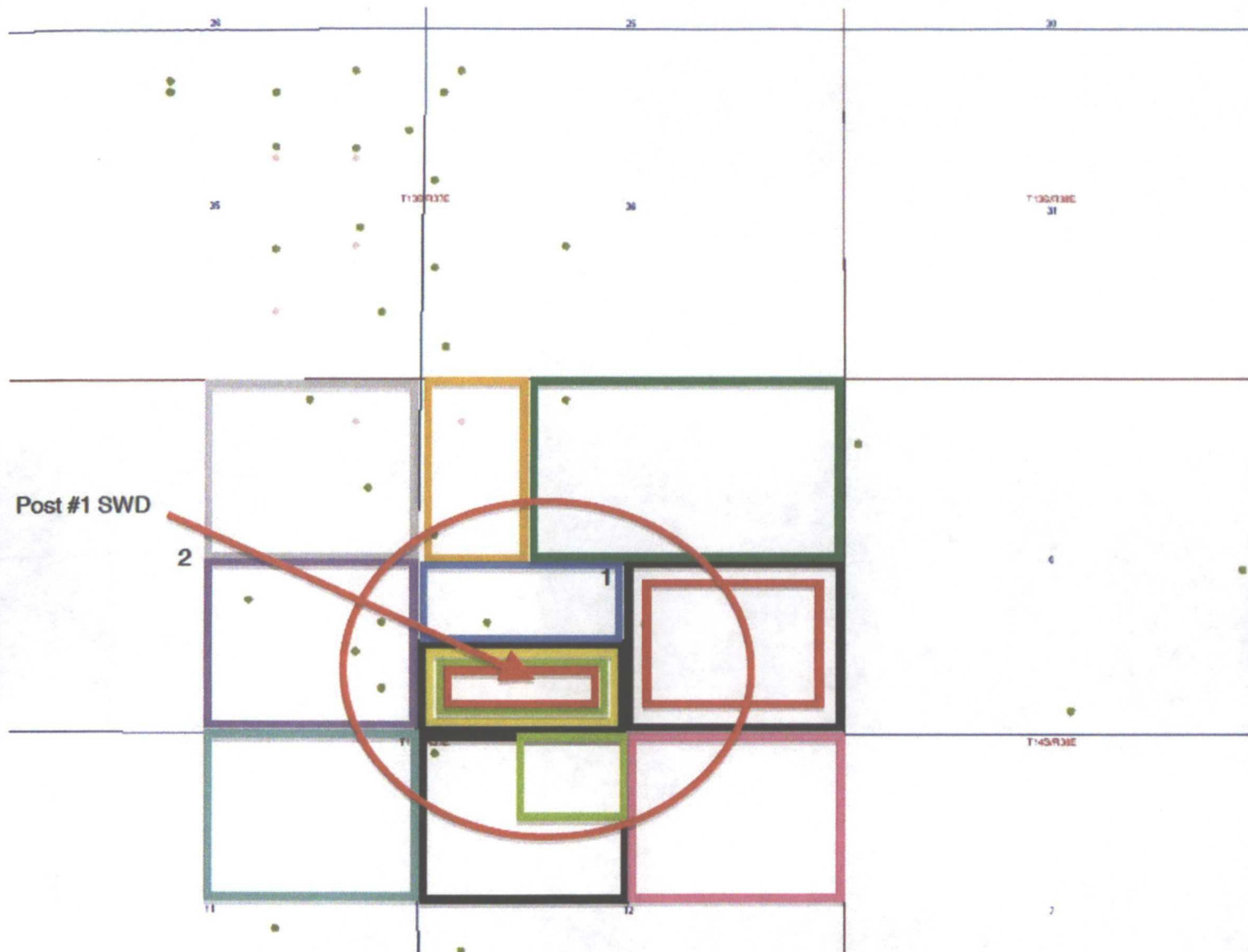
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

Bos Dairy, LLC
303 State Highway 83
Lovington, NM 88260

PS Form 3800, August 2006

See Reverse for Instructions

Bos Dairy, LLC
303 State Highway 83
Lovington, NM 88260



Layers

Visible Active

- ☒ ☒ Counties
- ☒ ☐ Wells
- ☒ ☐ Township
- ☒ ☐ Section

Refresh Map

Leasehold Operators within AOR

-  Chalfant Properties, Inc.
-  Chaparral Energy, LLC
-  Manzano LLC
-  Shaw Interests
-  Tumbleweed Resources LLC
-  Devonian Partners LLC
-  State of New Mexico
-  T Star Oil Investments, LLC
-  Devon Louisiana Corp.
-  Timothy Joe Wier
-  James Reed McCrory

NMR Energy LLC
Post #1 SWD
990' FNL & 1650' FWL
Lea County, NM

Notice of Notification

I certify that the copies of the C-108 Application for the Post #1 SWD, well no. 001 in Lea County, NM, RRC District 1, were sent certified mail to the parties below.

Surface Owners:

Chalfant Properties
P.O. Box 3123
Midland, TX 79701

7011 3500 0002 4987 2391

Devon Louisiana Corporation
20 N. Loomis Rd.
Weatherford, OK 73096

7011 3500 0002 4987 2384

Devonian Partners, LLC
350 N. Saint Paul St.
Dallas, TX 75201

7011 3500 0002 4987 2407

Chapparal Energy, LLC
11908 W. Highway 80 East
Odessa, TX 79765

7011 3500 0002 4987 2414



Hollie Lamb

7011 3500 0002 4987 2391

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Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

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 09/20/2012

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Chalfant Properties, LLC
P.O. Box 3123
Midland, TX 79701

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Return Receipt Fee (Endorsement Required)		\$2.35
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

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 POSTMARK
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 09/20/2012

Sent To
 Street, Apt. No.,
 or PO Box No.
 City, State, ZIP+4
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Devon Louisiana Corporation
20 N. Loomis Rd.
Weatherford, OK 73096

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Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

0710
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 09/20/2012

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 Street, Apt. No.,
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Devonian Partners, LLC
350 N. Saint Paul St.
Dallas, TX 75201

7011 3500 0002 4987 2414

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ODESSA, TX 79765

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Certified Fee		\$2.95
Return Receipt Fee (Endorsement Required)		\$2.35
Restricted Delivery Fee (Endorsement Required)		\$0.00
Total Postage & Fees	\$	\$7.00

0710
 POSTMARK
 SEP 20 2012
 09/20/2012

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 Street, Apt. No.,
 or PO Box No.
 City, State, ZIP+4
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Chapparral Energy, LLC
11908 W. Highway 80 East
Odessa, TX 79765

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bos Dairy, LLC
303 State Highway 83
Lovington, NM 88260

COMPLETE THIS SECTION ON DELIVERY

A. Signature

Deagry K. Hughes

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number
(Transfer from service label)

7011 0470 0001 5352 7782

CLAYDESTA ST
MIDLAND, Texas
797059998
4879830710-0097
06/21/2012 (432)687-5961 11:36:38 AM

Sales Receipt
Product Sale Unit Final
Description Qty Price Price

SANTA FE NM 87505 \$1.70
Zone-4 First-Class
Large Env
4.60 oz.
Expected Delivery: Sat 06/23/12
Return Rcpt (Green \$2.35
Card)
Certified \$2.95
Label #: 70110470000153527775

Issue PVI: \$7.00

LOVINGTON NM 88260 \$1.70
Zone-3 First-Class
Large Env
4.40 oz.
Expected Delivery: Sat 06/23/12
Return Rcpt (Green \$2.35
Card)
Certified \$2.95
Label #: 70110470000153527782

Issue PVI: \$7.00

HOBBS NM 88240 \$1.70
Zone-3 First-Class
Large Env
4.40 oz.
Expected Delivery: Sat 06/23/12
Return Rcpt (Green \$2.35
Card)
Certified \$2.95
Label #: 70110470000153527768

Issue PVI: \$7.00

Total: \$21.00

Paid by:
VISA \$21.00
Account #: XXXXXXXXXXXX6250
Approval #: 09128G
Transaction #: 596
23903481398

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SANTA FE NM 87505

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Certified Fee	\$2.95	79705
Return Receipt Fee (Endorsement Required)	\$2.35	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	06/21/2012
Total Postage & Fees	\$ 7.00	

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or PO Box No.
City, State, ZIP+4

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

PS Form 3800, August 2006 See Reverse for Instructions

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LOVINGTON NM 88260

Postage	\$ 1.70	0710
Certified Fee	\$2.95	79705
Return Receipt Fee (Endorsement Required)	\$2.35	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	06/21/2012
Total Postage & Fees	\$ 7.00	

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Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

Bos Dairy, LLC
303 State Highway 83
Lovington, NM 88260

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OFFICIAL USE

HOBBS NM 88240

Postage	\$ 1.70	0710
Certified Fee	\$2.95	79705
Return Receipt Fee (Endorsement Required)	\$2.35	Postmark Here
Restricted Delivery Fee (Endorsement Required)	\$0.00	06/21/2012
Total Postage & Fees	\$ 7.00	

Sent to
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
District 1 - Hobbs
1625 N. French Dr.
Hobbs, NM 88240

PS Form 3800, August 2006

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Devonian Partners, LLC
350 N. Saint Paul St.
Dallas, TX 75201

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2407

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☒ Addressee

B. Received by (Printed Name)

Robert P. Rose

C. Date of Delivery

SEP 25 2012

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Devon Louisiana Corporation
20 N. Loomis Rd.
Weatherford, OK 73096

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2384

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☒ Addressee

B. Received by (Printed Name)

Keshia Carnley

C. Date of Delivery

SEP 24 12

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
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1. Article Addressed to:

Chapparal Energy, LLC
11908 W. Highway 80 East
Odessa, TX 79765

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2414

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☒ Agent
☒ Addressee
B. Received by (Printed Name) Serry Dockery
C. Date of Delivery 9-24-12
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chalfant Properties, LLC
P.O. Box 3123
Midland, TX 79701

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2391

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
☒ Addressee
B. Received by (Printed Name) LINDSAY FORBES
C. Date of Delivery 9-24-12
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

Jones, William V., EMNRD

From: Brown, Maxey G, EMNRD
Sent: Thursday, August 16, 2012 6:40 AM
To: Jones, William V., EMNRD
Cc: Gonzales, Elidio L, EMNRD
Subject: NMR Post #1

Will,
In 2009 this well did not pass pressure test. It has down hole problems at this time. No existing location, well sets inside of agriculture irrigated circle. I feel that this well is not a choice candidate for a SWD. Just my thoughts.
Maxey

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Wednesday, August 15, 2012 6:17 PM
To: Hollie Lamb
Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; Brown, Maxey G, EMNRD; Brooks, David K., EMNRD
Subject: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perfs from 12729 to 12802 feet
Attachments: EddyNM_NASH_53_SWD.pdf

Hello Ms. Lamb,

Just reviewed your application and had a few comments and requests,

- (1) For the notices – I didn't get a list of whom you noticed and where those persons owned acreage within the ½ mile Area of Review. Please see the attached map to this email for an example of what we are looking for. You could also do this by listing the legal description of each tract and its owners. If your landman cannot find addresses for owners – put that owner or owners name(s) in a new, one day, newspaper notice in Lea County. If additional notice is needed, please send copies of the mailers.
- (2) The surface owner notice did not have a date on it – tell me when it went out. The copies of notices should have dates on them.
- (3) Send a diagram of the well as it will look like after conversion to disposal, with tubing in the hole, perf depths, and formation tops marked.
- (4) The Post #2 and Post #3 were listed as Active Devonian Producers in your table, but the wellbore diagrams conflicted a bit with that. Please let me know which data is correct. Depending on what you reply to this, I may ask for more info on the O/W contact in the Devonian.

This was permitted in 2005 as SWD-1001. If a permit is issued again, it will be called SWD-1001-A

Otherwise, all looks fine.

Thanks in advance for the information,

William V. Jones, P.E.

505-476-3448W 505-476-3462F
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Jones, William V., EMNRD

From: Hollie Lamb <hlamb@helmsoil.com>
Sent: Wednesday, August 22, 2012 3:32 PM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; Brown, Maxey G, EMNRD; Brooks, David K., EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

William,

I am collecting this information, I have contracted a landman to do the additional research required.

I hope to have something to you next week.

Take Care,

Hollie

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Wednesday, August 15, 2012 7:16 PM
To: Hollie Lamb
Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; Brown, Maxey G, EMNRD; Brooks, David K., EMNRD
Subject: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

Hello Ms. Lamb,

Just reviewed your application and had a few comments and requests,

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This was permitted in 2005 as SWD-1001. If a permit is issued again, it will be called SWD-1001-A

Otherwise, all looks fine.

Thanks in advance for the information,

Jones, William V., EMNRD

From: Hollie Lamb <hlamb@helmsoil.com>
Sent: Wednesday, October 17, 2012 12:33 PM
To: Jones, William V., EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet
Attachments: Item 1 - Map.pdf; Item 1 - Proof of delivery on half mile area.pdf; Item 2 - Proof of delivery to BOS Dairy.pdf; Item 3- Proposed Well bore diagram.pdf; Item 4 - Updated table.pdf; Item 4 - Post 3 forms filed on 6 14 2012.pdf

Mr. Jones,

I apologize it has taken so long to get back to you, I located a consulting landman that helped me with Item 1 and it took a little longer than expected to get the return receipts back proving delivery.

Please see the information in red below and the attached items.

If you need additional data please don't hesitate to let me know,

Regards,

Hollie C Lamb
Engineer



HeLMS Oil & Gas, LLC
P.O. Box 52808, Midland, Texas, 79710
Cell (432) 634-5446
Fax (432) 682-1166
Office (432) 682-1122
Email : hlamb@helmsoil.com

From: Jones, William V., EMNRD [<mailto:William.V.Jones@state.nm.us>]
Sent: Wednesday, August 15, 2012 7:16 PM
To: Hollie Lamb
Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; Brown, Maxey G, EMNRD; Brooks, David K., EMNRD
Subject: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

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This was permitted in 2005 as SWD-1001. If a permit is issued again, it will be called SWD-1001-A

Otherwise, all looks fine.

Thanks in advance for the information,

William V. Jones, P.E.

505-476-3448W 505-476-3462F

Engineering Bureau, Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505



Helms Oil & Gas, LLC
P.O. Box 52808, Midland, Texas, 79710
Cell (432) 634-5446
Fax (432) 682-1166
Office (432) 682-1122
Email : hlamb@helmsoil.com

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P.O. Box 52808, Midland, Texas, 79710
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505-476-3448W 505-476-3462F
Engineering Bureau, Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Saturday, October 20, 2012 6:02 PM
To: 'Hollie Lamb'
Cc: Ezeanyim, Richard, EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

Hello Hollie,

The application C-108 and the newspaper notice clearly stated the injection interval would be only perforations from 12729 to 12802 feet.

The wellbore diagram you just sent shows a disposal interval of perforations and open hole from 12729 to 13400 feet.

While the deepened interval makes sense to me, it was not advertised as that to the "affected persons" so it does not follow the rule for administrative applications.

To correct this:

Please send (two pages) a cover letter explaining the change in depth of the proposed disposal interval and this post conversion wellbore diagram by certified mail to the 13 or so folks that should get notice in this application. Send a copy of the explanation letter and all of the certified mailers with the dates they were mailed to me here and I will wait 15 days and if no protests arrive or other issues crop up, we can likely release the permit.

Hope all is well,

Regards,

Will Jones

From: Hollie Lamb [<mailto:hlamb@helmsoil.com>]
Sent: Wednesday, October 17, 2012 12:33 PM
To: Jones, William V., EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

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Regards,

Hollie C Lamb
Engineer

Jones, William V., EMNRD

From: Hollie Lamb <hlamb@helmsoil.com>
Sent: Thursday, November 08, 2012 11:32 AM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet
Attachments: Notice of Notifactaion on the Post #1.pdf; Post #1 Notice of Change in Injection interval.pdf

Will,

I have attached the Notification packet on the change of Injection interval.
We have ironically received all green cards back except the one sent to the NMOCD in Santa Fe.
I also re published it in the Hobbs New Paper.

Please let me know if you need anything else,

Hollie

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Saturday, October 20, 2012 7:02 PM
To: Hollie Lamb
Cc: Ezeanyim, Richard, EMNRD
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Hope all is well,

Regards,

Will Jones

NMR Energy
C/O Helms
P.O. Box 52808
Midland, Texas
79710

RECEIVED OCD

2012 NOV -5 P 1:47

November 1, 2012

Dear Sir or Madame:

This letter is to inform you of an amendment on the C-108 (Application for Authorization to Inject) you received previously on the Post SWD #1 in Lea County, NM NMOCD District 1. The amendment is to increase the injection interval from 12,729' - 12,802' to 12,729' - 13,400'. Effectively, deepening the injection interval into the existing water saturated formation that is 600' deeper than the original permit submitted.

I have attached an updated well bore diagram for your records.

Sincerely,



Hollie Lamb
432-682-1122
hlamb@helmsoil.com

(11/5/12)
wait for Proof of NOTICE(S)
Then wait 15 DAYS

Enclosure

CC well file

NMR Energy
C/O Helms
P.O. Box 52808
Midland, Texas
79710

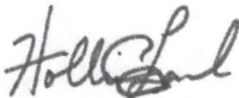
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I have attached an updated well bore diagram for your records.

Sincerely,

A handwritten signature in cursive script, appearing to read "Hollie Lamb".

Hollie Lamb
432-682-1122
hlamb@helmsoil.com

Enclosure

CC well file

Notice of Notification

I certify that the copies of the amendments to the C-108 Application for the Post #1 SWD, Well no. 001 in Lea County, NM, NMOCD District 1, were sent certified mail to the parties below.

Surface Owners:

Chalfant Properties
P.O. Box 3123
Midland, TX 79701

7011 3500 0002 4987 2629

Devon Louisiana Corporation
20 N. Loomis Rd.
Weatherford, OK 73096

7011 3500 0002 4987 2650

Devonian Partners, LLC
350 N. Saint Paul St.
Dallas, TX 75201

7011 3500 0002 4987 2636

Chapparral Energy, LLC
11908 W. Highway 80 East
Odessa, TX 79765

7011 3500 0002 4987 2643

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

7011 3500 0002 4987 2667

BOS Dairy, LLC
303 State Highway 83
Lovington, NM 88260

7011 3500 0002 4987 2674

State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division- District 1
1625 N. French Dr.
Hobbs, NM 88240

7011 3500 0002 4987 2681



Hollie Lamb

7011 3500 0002 4987 2681

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
HOBBS NM 88240	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To State of New Mexico Energy, Minerals & Natural Res. Dept. Oil Conservation Division- District 1 1625 N. French Dr. Hobbs, NM 88240	

7011 3500 0002 4987 2674

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
LOVINGTON NM 88260	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To BOS Dairy, LLC 303 State Highway 83 Lovington, NM 88260	

7011 3500 0002 4987 2667

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
SANTA FE NM 87505	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	

7011 3500 0002 4987 2650

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
WEATHERFORD OK 73096	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To Devon Louisiana Corporation 20 N. Loomis Rd. Weatherford, OK 73096	

7011 3500 0002 4987 2636

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
DALLAS TX 75201	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To Devonian Partners, LLC 350 N. Saint Paul St. Dallas, TX 75201	

7011 3500 0002 4987 2643

U.S. Postal Service TM	
CERTIFIED MAIL TM RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
ODESSA TX 79765	
Postage	\$ \$0.45
Certified Fee	\$2.95
Return Receipt Fee (Endorsement Required)	\$2.35
Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ \$5.75
Sent To Chapparral Energy, LLC 11908 W. Highway 80 East Odessa, TX 79765	

7011 3500 0002 4987 2629

**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 79702

Postage	\$	\$0.45	0710
Certified Fee	\$	\$2.95	01
Return Receipt Fee (Endorsement Required)	\$	\$2.35	Postmark
Restricted Delivery Fee (Endorsement Required)	\$	\$0.00	NOV - 1 2012
Total Postage & Fees	\$	\$5.75	11/01/2012

Send To
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4
PS Form 3800, All

**Chalfant Properties, LLC
P.O. Box 3123
Midland, TX 79701**

LOVINGTON NM 88260 \$0.45
Zone-3 First-Class
Letter
0.80 oz.
Expected Delivery: Mon 11/05/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872674
=====

Issue PVI: \$5.75
HOBBS NM 88240 \$0.45
Zone-3 First-Class
Letter
0.80 oz.
Expected Delivery: Mon 11/05/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872681
=====

Issue PVI: \$5.75
Total: \$40.25

Paid by:
VISA \$40.25
Account #: XXXXXXXXXXXX0005
Approval #: 010026
Transaction #: 196
23903481398

Order stamps at usps.com/shop or
call 1-800-Stamp24. Go to
usps.com/clicknship to print
shipping labels with postage. For
other information call
1-800-ASK-USPS.

Get your mail when and where you
want it with a secure Post Office
Box. Sign up for a box online at
usps.com/poboxes.

Bill#:1000101321700
Clerk:01

WNR C108

CLAYDESTA ST
MIDLAND, Texas
797059998
4879830710-0099

11/01/2012 (432)687-5961 03:30:35 PM

Sales Receipt

Product Description	Sale Unit Qty	Price	Final Price
---------------------	---------------	-------	-------------

MIDLAND TX 79702			\$0.45
Zone-1 First-Class			
Letter			
0.80 oz.			
Expected Delivery: Fri 11/02/12			
Return Rcpt (Green Card)			\$2.35
Certified			\$2.95
Label #:	70113500000249872629		

Issue PVI: \$5.75

DALLAS TX 75201 \$0.45
Zone-4 First-Class
Letter
0.80 oz.
Expected Delivery: Mon 11/05/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872636
=====

Issue PVI: \$5.75

ODESSA TX 79765 \$0.45
Zone-1 First-Class
Letter
0.80 oz.
Expected Delivery: Fri 11/02/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872643
=====

Issue PVI: \$5.75

WEATHERFORD OK 73096 \$0.45
Zone-4 First-Class
Letter
0.80 oz.
Expected Delivery: Mon 11/05/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872650
=====

Issue PVI: \$5.75

SANTA FE NM 87505 \$0.45
Zone-4 First-Class
Letter
0.80 oz.
Expected Delivery: Mon 11/05/12
Return Rcpt (Green Card) \$2.35
Certified \$2.95
Label #: 70113500000249872667
=====

Issue PVI: \$5.75

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Chapparral Energy, LLC
11908 W. Highway 80 East
Odessa, TX 79765

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2643

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Chris L. Ambrose

C. Date of Delivery

11-2-12

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Devon Louisiana Corporation
20 N. Loomis Rd.
Weatherford, OK 73096

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2650

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Keshia Carney

C. Date of Delivery

11-2-12

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

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- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

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Chalfant Properties, LLC
P.O. Box 3123
Midland, TX 79701

2. Article Number

(Transfer from service label)

7011 3500 0002 4987 2629

PS Form 3811, February 2004

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Lindsay Brainerd

C. Date of Delivery

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☐ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Devonian Partners, LLC 350 N. Saint Paul St. Dallas, TX 75201</p>	
<p>2. Article Number (Transfer from service label) <u>7011 3500 0002 4987 2636</u></p>	
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

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<p>1. Article Addressed to:</p> <p style="text-align: center;">BOS Dairy, LLC 303 State Highway 83 Lovington, NM 88260</p>	
<p>2. Article Number (Transfer from service label) <u>7011 3500 0002 4987 2674</u></p>	
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

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<p>1. Article Addressed to:</p> <p style="text-align: center;">Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505</p>	
<p>2. Article Number (Transfer from service label) <u>7011 3500 0002 4987 2667</u></p>	
PS Form 3811, February 2004	Domestic Return Receipt 102595-02-M-1540

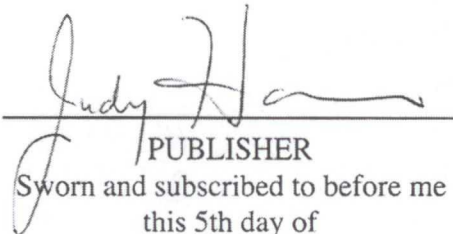
Affidavit of Publication

State of New Mexico,
County of Lea.

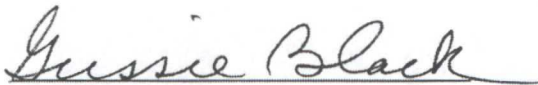
I, JUDY HANNA
PUBLISHER

of the Hobbs News-Sun, a
newspaper published at Hobbs, New
Mexico, do solemnly swear that the
clipping attached hereto was
published in the regular and entire
issue of said newspaper, and not a
supplement thereof for a period

of 1 issue(s).
Beginning with the issue dated
November 03, 2012
and ending with the issue dated
November 03, 2012

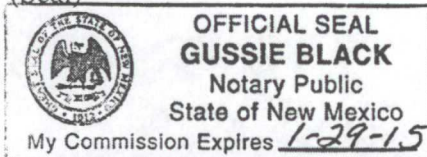

PUBLISHER
Sworn and subscribed to before me

this 5th day of
November, 2012



Notary Public

My commission expires
January 29, 2015
(Seal)



This newspaper is duly qualified to
publish legal notices or
advertisements within the meaning of
Section 3, Chapter 167, Laws of
1937 and payment of fees for said
publication has been made.

LEGAL

LEGAL

LEGAL NOTICE November 3, 2012

NMR Energy LLC, 800 Bering Drive, Suite 250, Houston Texas 77057 is filing form CIO8 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, Post # 1 SWD is located 990' FSL & 1650' FWL of Section 1, Township 14 South, Range 37 East of Lea County, New Mexico. Produced Devonian water will be disposed into the Devonian formation at a depth of 12,729' to 13,400' with a maximum pressure of 2,500 psi and a maximum rate of 20,000 BWPD. Any interested party who has an objection to this application must give notice to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice. Additional information can be obtained by contacting Hollie Lamb at (432) 682-1122.
#27692

67109059

00103729

HOLLIE LAMB
HELMS OIL & GAS, LLC
PO BOX 52808
MIDLAND, TX 79710

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Thursday, November 08, 2012 11:57 AM
To: 'Hollie Lamb'
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

Awesome work, Thank You.

I will get this one ready to release – November 19th.

From: Hollie Lamb [mailto:hlamb@helmsoil.com]
Sent: Thursday, November 08, 2012 11:32 AM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

Will,

I have attached the Notification packet on the change of Injection interval.

We have ironically received all green cards back except the one sent to the NMOCD in Santa Fe.

I also re published it in the Hobbs New Paper.

Please let me know if you need anything else,

Hollie

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Saturday, October 20, 2012 7:02 PM
To: Hollie Lamb
Cc: Ezeanyim, Richard, EMNRD
Subject: RE: Disposal application from NMR Energy LLC: Post #1 30-025-27984 Devonian perms from 12729 to 12802 feet

Hello Hollie,

The application C-108 and the newspaper notice clearly stated the injection interval would be only perforations from 12729 to 12802 feet.

The wellbore diagram you just sent shows a disposal interval of perforations and open hole from 12729 to 13400 feet.

While the deepened interval makes sense to me, it was not advertised as that to the "affected persons" so it does not follow the rule for administrative applications.

To correct this:

Please send (two pages) a cover letter explaining the change in depth of the proposed disposal interval and this post conversion wellbore diagram by certified mail to the 13 or so folks that should get notice in this application. Send a copy of the explanation letter and all of the certified mailers with the dates they were mailed to me here and I will wait 15 days and if no protests arrive or other issues crop up, we can likely release the permit.

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1001-A Permit Date 11/19/12 UIC Qtr (0/N/D)

Wells 1 Well Name(s): POST # 1

API Num: 30-0 25-27984 Spud Date: 10/30/82 New/Old: N (UIC primacy March 7, 1982)

Footages 990 FSL / 1650 FWL Unit N Sec 1 Tsp 14S Rge 37E County LEA

General Location: _____

Operator: NMR ENERGY LLC Contact HOLLIE LAMB

OGRID: 280401 RULE 5.9 Compliance (Wells) 1/4 (Finan Assur) OK IS 5.9 OK? OK

Well File Reviewed ✓ Current Status: TAEU C 9350'

Planned Work to Well: _____

Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓

Well Details:	Sizes Hole.....Pipe	Setting Depths	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
New ___ Existing ___ Surface	17 1/2 13 3/8	416	—	500 SX	CIRC
New ___ Existing ___ Interm	12 1/4 8 5/8	4650	—	500 SX	2160 TS.
New ___ Existing ___ LongSt	7 7/8 5 1/2	12865	—	1300 SX	8,280' <u>TS.</u>
New ___ Existing ___ Liner		12807 <u>PB</u>			
New ___ Existing ___ OpenHole					

Depths/Formations:	Depths, Ft.	Formation	Tops?
Formation(s) Above	12698'	DEV	✓
Injection TOP:	12729	Devonian	Max. PSI <u>2546</u> OpenHole ___ Perfs <u>✓</u>
Injection BOTTOM:	<u>13440</u>	Dev	Tubing Size <u>4 1/2</u> Packer Depth <u>12650</u>
Formation(s) Below	13650	Montoya	✓

Capitan Reef? (Potash? Notified?) [WIPP? Notified?] Salado Top/Bot (2207-3182) Cliff House? WITHIN 1/2 MI

Fresh Water: Depths: < 150' Formation Ogallala Wells? yes Analysis? yes Affirmative Statement ✓

Disposal Fluid Analysis? Sources: DEV / WC

Disposal Interval: Analysis? ✓ Production Potential/Testing: OLD SWD 6/21/12

Notice: Newspaper Date 5/26/12 Surface Owner BOS DAIRY, LLC Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: UNLEARNED MINERAL OWNERS (WHO? WHERE?)

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

.....Active Wells 3 Repairs? 0 Which Wells? _____

.....P&A Wells 5 Repairs? 0 Which Wells? _____

Issues: DEVILIAN DISP PSI & RATES Request Sent Reply: