

10/6/08 DATE IN	SUSPENSE	W Jones ENGINEER	10/6/08 LOGGED IN	WFX TYPE	PKUR082830397 APP NO.
--------------------	----------	---------------------	----------------------	-------------	--------------------------

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

[A] Location - Spacing Unit - Simultaneous Dedication

☒ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

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

☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Thomas G. Wright
Print or Type Name

[Signature]
Signature

Vice President
Title

10/6/08
Date

tom.wright@energy.com
e-mail Address

APOLLO Energy
Russell USA #67

(30-25-20231)

2008 OCT 6 AM 10:13

RECEIVED

Russell Yates
(52820)



Apollo Energy, LP

4823 Ihles Road • Lake Charles, LA. 70605

RECEIVED

2008 OCT 23 PM 3 33

October 21, 2008

State of New Mexico
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Russell USA #67
Apollo Energy

Dear Sir:

Enclosed please find a color copy of the pressure chart for an MIT test for Russell USA #67 previously sent to you in black and white.

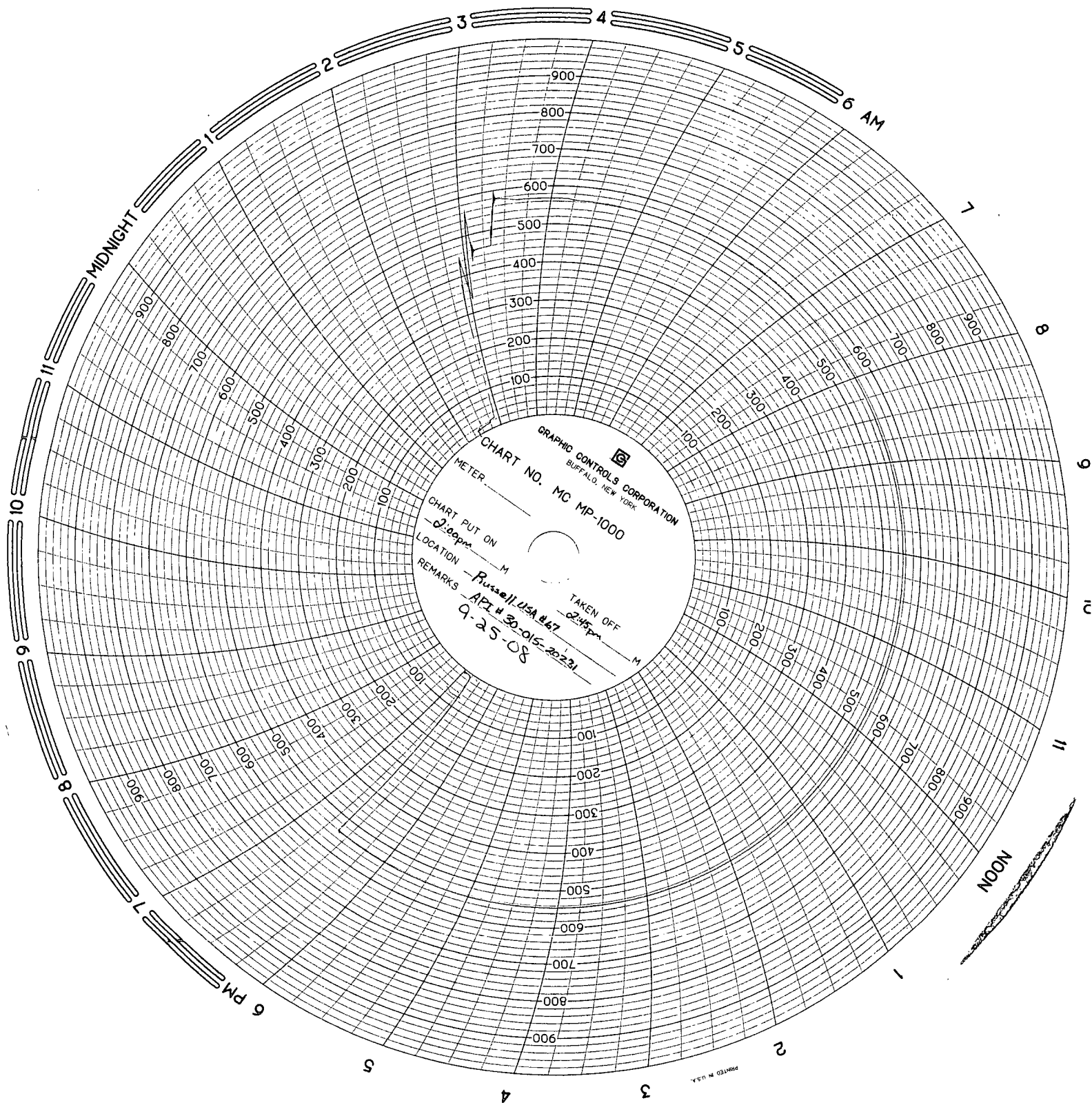
If you have any questions, please feel free to contact me.

Sincerely yours,

Thomas G. Wright

TGW/ms
Enclosure

30-015-20231





Apollo Energy, LP

4823 Ihles Road • Lake Charles, LA. 70605

RECEIVED

2008 OCT 20 PM 3 46

October 17, 2008

State of New Mexico
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Apollo Energy, LP
Referring to C-108
Russell USA Field Well #67
Section 13-T20S-R28E, Eddy County, NM

Dear Sir:

Enclosed please find a copy of the pressure chart for mit test for Russell USA #67.

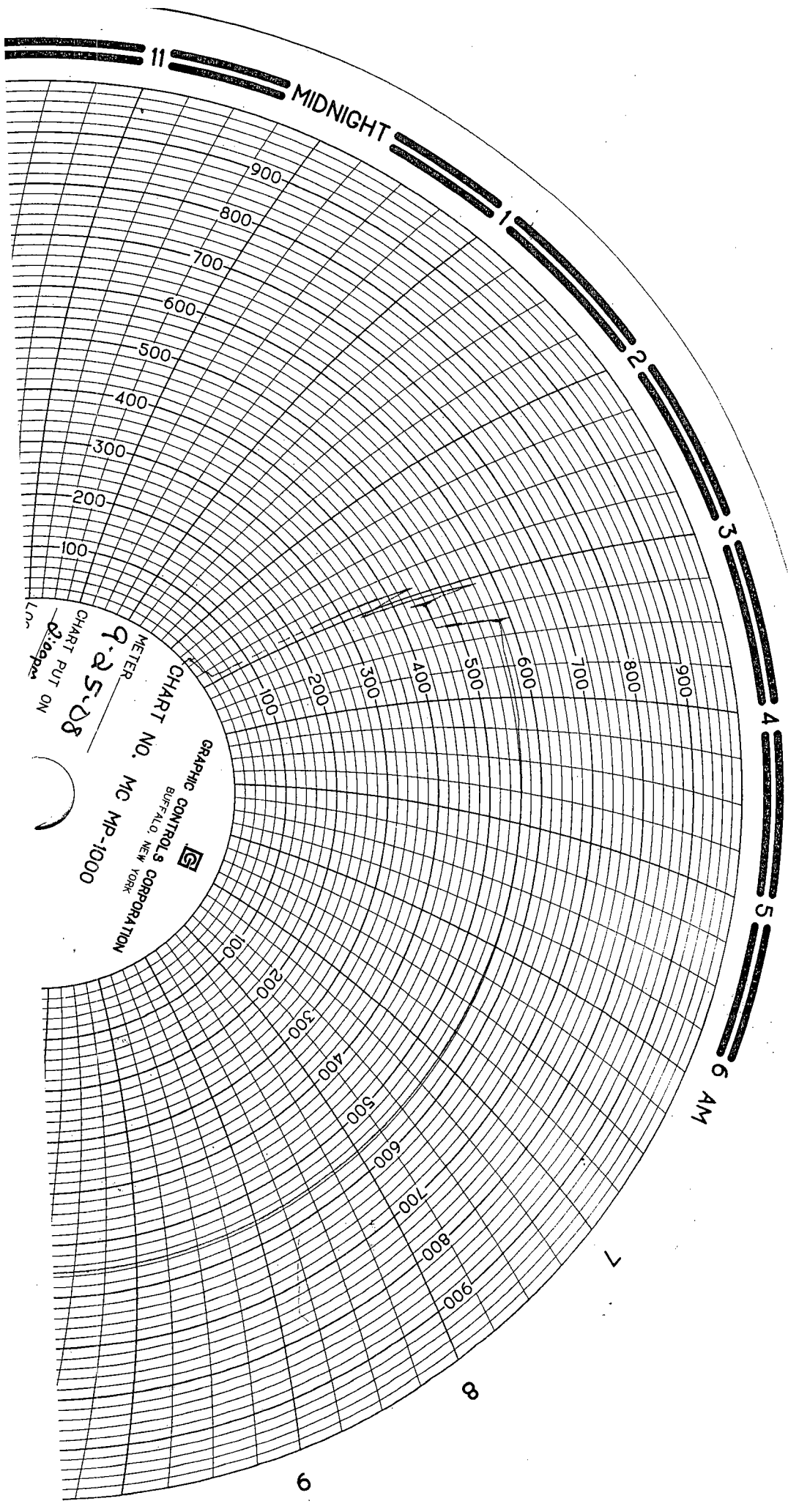
Please feel free to contact me should you have any questions.

Sincerely,

Thomas G. Wright/ms

Signed in his absence to avoid delay
Thomas G. Wright

TGW/ms
Enclosure



6 PM

5

4

3

2

NOON

10

9

8

7

REPORT IN CUBES

LOCATION

M

REMARKS

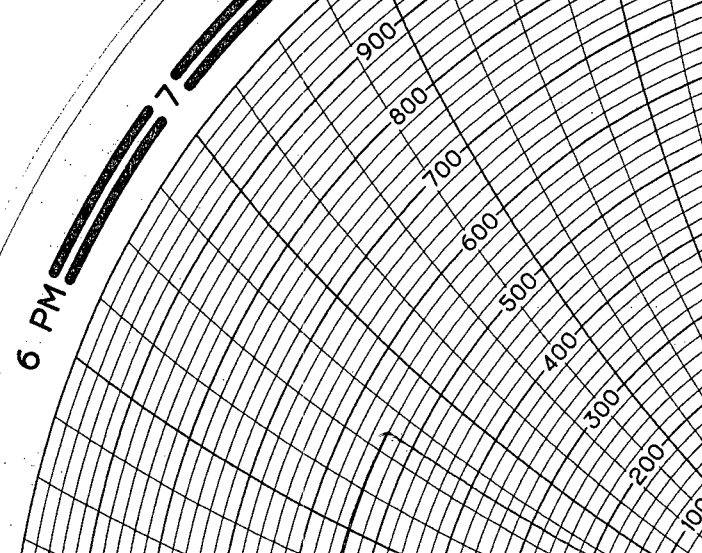
Russell USA 467

TAKEN OFF

M

API # 30-015-20231

245 PM





Apollo Energy, LP

4823 Ihles Road • Lake Charles, LA. 70605

RECEIVED

2008 OCT 3 PM 1 41

October 1, 2008

State of New Mexico
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
Attn: Richard Ezeanyim

Re: Apollo Energy, LP
Application for Authorization to Inject
Russell USA Field Well #67
Section 13-T20S-R28E, Eddy County, NM

Dear Mr. Ezeanyim:

Please review and accept the enclosed Application for Authorization to Inject. Apollo Energy, L.P. is requesting ~~permission to expand the waterflood associated with the Russell USA Field, Order R-12887~~. This order was approved for 5 new wells; Russell USA #70, 71, 72, 73, & 74 and expanded to include #58, 49, 9, 50, & 40. ✓

The application package contains all relevant documentation as requested. Please return the appropriate approvals to our office at our letterhead address above. If you have any questions, please contact our office at your convenience.

Sincerely,

Thomas G. Wright

TGW/ms
Enclosure

R-12887

1 Existing, Permitted Disposal Well ^{RUSA} #60

5 New injection wells to be drilled

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Apollo Energy, LP
ADDRESS: 4823 Ihles Road, Lake Charles, LA 70605
CONTACT PARTY: Tommy Wright PHONE: (337) 582-5227
- 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? X Yes No
If yes, give the Division order number authorizing the project: R-12887
- 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: Thomas G. Wright TITLE: Vice-President
SIGNATURE: [Signature] DATE: 10-1-08
E-MAIL ADDRESS: tommy.w@doreenergy.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.

Side 1

INJECTION WELL DATA SHEET

OPERATOR:

Apollo Energy, LP

WELL NAME & NUMBER:

Russell USA # 67

WELL LOCATION:

1328' FNL 2635' FEL

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size:

8 5/8

Casing Size:

7"

Cemented with:

15

SX.

or

ft³

Top of Cement:

Method Determined:

Intermediate Casing

Hole Size:

6 1/4

Casing Size:

5"

Cemented with:

50

SX.

or

ft³

Top of Cement:

Method Determined:

Production Casing

Hole Size:

Casing Size:

Cemented with:

SX.

or

ft³

Top of Cement:

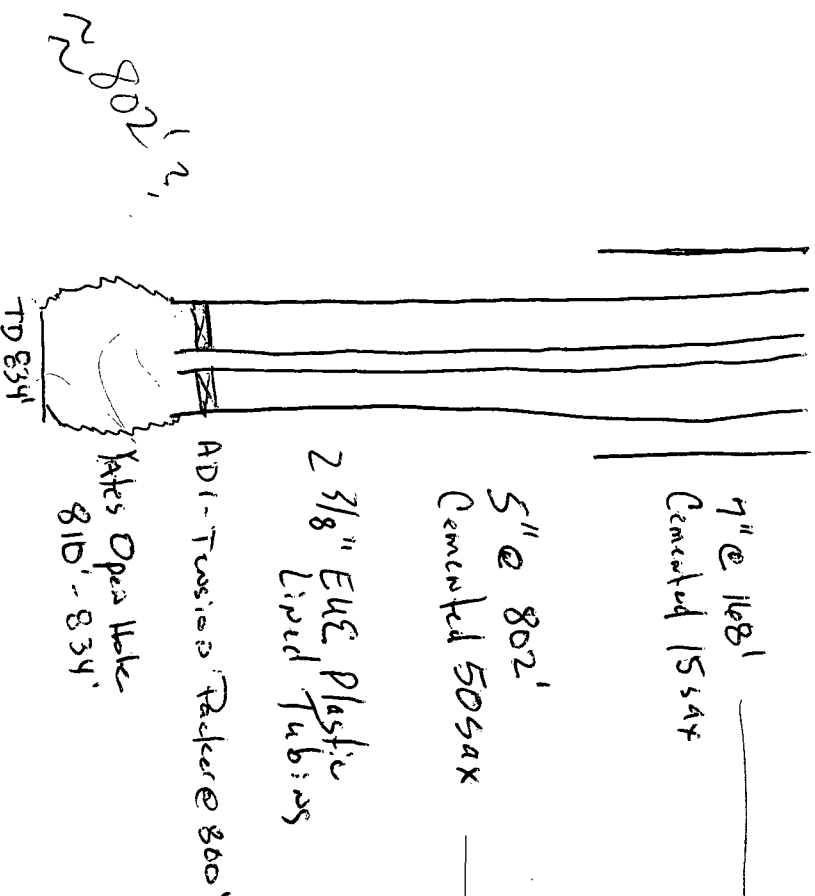
Method Determined:

Total Depth:

Injection Interval

810' feet to 834'

(Perforated or Open Hole) indicate which)



Jan 2003
Well Name was changed
3-26-07
Apollo became the
Apollo North

INJECTION WELL DATA SHEETTubing Size: 2 3/8" EUE Lining Material: PlasticType of Packer: AD 1 - TransitionPacker Setting Depth: 800'

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

Additional Data

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

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

2. Name of the Injection Formation: Yates

3. Name of Field or Pool (if applicable): Burrell - Yates

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

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Lewer - Seven Rivers 900'-1,042'

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose of Application

1. Injection Well

II. Operator

Apollo Energy, LP
6363 Woodway, Suite 1100
Houston, TX 77057
Contact: Tommy Wright, Phone (337) 502-5227

Lake Charles, LA 70605

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:

For Schematic form, see "Exhibit A"

1. Lease Data

- a. Lease Names: Russell USA
- b. Well Number: Russell USA #67
- c. Location of Well: Section 13 T20S R28E
- d. Footage Locations: 1328 FNL 2635 FEL

New well

2. Casing Specifications

a. Production Casing:

Casing string 7" 20#
Set at a depth of 168'
Total sacks of cement: 15 sx

- b. Tubing Size: 2 3/8"
Lining Material: Plastic
Setting Depth: 810'

802'

Apollo Energy, L.P.
Russell USA Field
Application for Authorization to Inject

- c. Intermediate Casing:
Casing string 5" 14#
Set at a depth of 802'
Total Sacks of cement: 50 sx

- d. Seal System:

- i. Packer Model: AD-1 Tension Packer
 - ii. Setting Depth: 800'

IV. Existing 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.

Please see attached Area of Review Map

- 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

Please see attached Tabulation of Data

VII. Proposed Operations

- a. Proposed average and maximum daily rates and volume of fluids to be injected.

- The proposed maximum daily rate is estimated at 1,440 bpd.
- The proposed average daily rate is expected to be 500 bpd.

- b. Proposed average and maximum injection pressure.

- The proposed maximum pressure is expected to be 700 psi.
- The proposed average pressure is expected to be 500 psi.

Apollo Energy, L.P.
Russell USA Field
Application for Authorization to Inject

- c. Sources and an appropriate analysis of fluid and compatibility with the receiving formation if other than reinjected produced water.

1. Injection fluid will be reinjected water produced from the Yates Formation.

- d. 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.)

1. Injection will be into the Yates Formation for the purpose of secondary recovery.

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 disposal zone as well as any such sources known to be immediately underlying the disposal interval.

1. The estimated top of the Rustler formation (containing shallow ground water) is approximately 70' and the base is approximately 85'.
2. The Yates formation top is between approximately 700' and 750'. The base is between approximately 800' and 900' with an average thickness of 25'.
3. The Seven Rivers formation (containing oil and gas) is estimated at 1,042' in Section 13, Township 20S, Range 28E

IX. Describe the proposed stimulation program, if any.

1. Proposed stimulation programs will be forth coming. At this time we are considering a GasGun Technique which is a near wellbore gas fracture. The original wells were stimulated by nitro, which no longer exist, and others were sand fractured.

X. Attach appropriate logging and test data on the well. (If well logs have been filled with the Division, they need not be resubmitted).

Apollo Energy, L.P.
Russell USA Field
Application for Authorization to Inject

- 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.

1. No operable fresh water well within one mile radius of proposed area of review. 2
—
0

- 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.

Apollo Energy, L.P. affirms 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.

Apollo Energy, L.P. (Limited Partnership)

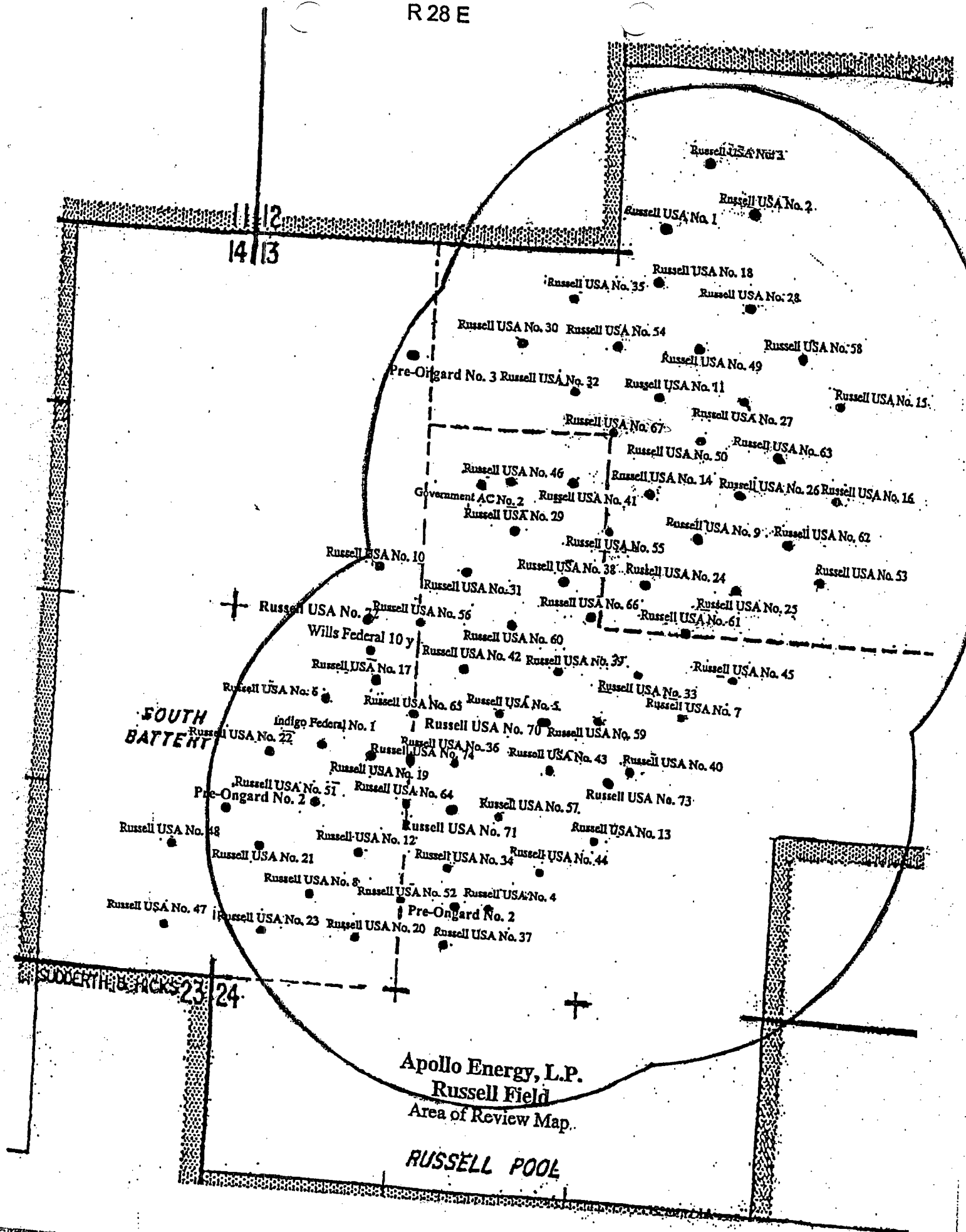


By: Thomas G. Wright

- XIII. 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 request for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico, 87505, within 15 days.



TABULATION DATA

81 total wells
16 for

75

68 oil
2 gas
5 INS.

75 ✓

NAME: Apollo Energy, LP LEASE: Russell USA no. 001

API# 3001502345 Type: Injection

Location: 330 FSL & 2310 FEL Sec: 12 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 471' w50 sx mud; 7" to 751' w75 sx Mud

Date: 12/3/1944 Depth: 881' Open Hole: X Perforated:

Completion: 75 qts 844-881

NAME: Apollo Energy, LP LEASE: Russell USA no. 002

API# 3001502346 Type: Injection

Location: 330 FSL & 1650 FEL Sec: 12 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 765' w100 sx Mud; 5 1/2 to 775 w100 sx Mud

Date: 3/23/1945 Depth: 908' Open Hole: X Perforated:

Completion: 70 qts 863-900

NAME: Apollo Energy, LP LEASE: Russell USA no. 003

API# 3001502348 Type: Injection

Location: 663 FSL & 2000 FEL Sec: 12 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 746' w100 sx Mud

Date: 6/18/1948 Depth: 890' Open Hole: X Perforated:

Completion: 30 qts 869-884

NAME: Apollo Energy, LP LEASE: Russell USA no. 004

API# 3001502350 Type: Oil

Location: 660 FSL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 712' w 75 sx Mud

Date: 9/14/1942 Depth: 908' Open Hole: X Perforated:

Completion: 40 qts 790-810

NAME: Apollo Energy, LP LEASE: Russell USA no. 005

API# 3001502351 Type: Oil

Location: 1980 FSL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8 to 470'; 7" to 724' w 50 sx

Date: 10/26/1942 Depth: 858' Open Hole: X Perforated:

Completion: 30 qts 812-827

NAME: Apollo Energy, LP LEASE: Russell USA no. 006

API# 3001502352 Type: Oil

Location: 1980 FSL & 660 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8' to 446' w 50 sx; 7" to 740' w 50 sx circulated

Date: 3/25/1942 Depth: 817' Open Hole: X Perforated:

Completion: 30 qts. 785-805

NAME: Apollo Energy, LP LEASE: Russell USA no. 007

API# 3001502353 Type: Oil

Location: 1980 FSL & 1968 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 9" to 473' w 50 sx; 7" to 725' w 50 sx

Date: 2/25/1943 Depth: 869' Open Hole: X Perforated:

Completion: 30 qts 845-860

NAME: Apollo Energy, LP LEASE: Russell USA no. 008

API# 3001502355 Type: Oil

Location: 660 FSL & 660 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8 to 430' w 50 sx; 7" to 756 w 5 sx

Date: 4/25/1942 Depth: 810' Open Hole: X Perforated:

Completion: 30 qts. 780-810

NAME: Apollo Energy, LP LEASE: Russell USA no. 009

API# 3001502356 Type: Oil

Location: 1980 FNL & 1980 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 13" to 120' pulled, 10' to 220' w ? Sx; 8 5/8" to 281' w 50 sx, 7" to 780 w 135 sx

Date: 8/22/1943 Depth: 845' Open Hole: X Perforated:

Completion: 20 qts. 817-837

NAME: Apollo Energy, LP LEASE: Russell USA no. 010

API# 3001502357 Type: Oil

Location: 2310 FNL & 990 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 13" to 82' w None mudded - pulled; 10 3/4" to 242' w none pulled; 7" to 736' w 125 sx

Date: 9/12/1944 Depth: 873' Open Hole: X Perforated:

Completion: 80 qts. 770-853

NAME: Apollo Energy, LP LEASE: Russell USA no. 011

API# 3001502358 Type: Oil

Location: 990 FNL & 2310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 10 3/4 to 255' w full hole; 7" to 770' w 125 sx

Date: 2/2/1945 Depth: 856' Open Hole: X Perforated:

Completion: 50 qts. 831-856

NAME: Apollo Energy, LP LEASE: Russell USA no. 012

API# 3001502360 Type: Oil

Location: 996 FSL & 1005 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 202' w ?; 7" to 736' w 75 sx

Date: 4/25/1945 Depth: 829' Open Hole: X Perforated:

Completion: 50 qts. 803-822

NAME: Apollo Energy, LP LEASE: Russell USA no. 013

API# 3001502361 Type: Oil

Location: 990 FSL & 2310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 1/4" to 354' Circ.; 7" to 714" w 75 sx

Date: 9/18/1944 Depth: 835' Open Hole: X Perforated:

Completion: 45 qts. 806-830

NAME: Apollo Energy, LP LEASE: Russell USA no. 014

API# 3001502362 Type: Oil

Location: 1650 FNL & 2310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 293' w ?; 7" to 756' w 75 sx

Date: 3/17/1945 Depth: 859' Open Hole: X Perforated:

Completion: 40 qts. 813-833

NAME: Apollo Energy, LP LEASE: Russell USA no. 015

API# 3001502363 Type: Oil

Location: 996 FNL & 1005 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 303' w ? Sx; 7" to 740' w 100 sx

Date: 5/21/1945 Depth: 878' Open Hole: X Perforated:

Completion: 40 qts. 855-871

NAME: Apollo Energy, LP LEASE: Russell USA no. 016

API# 3001502364 Type: Oil

Location: 1656 FNL & 1005 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 315' w ?; 7" to 800' w 100 sx

Date: 6/15/1945 Depth: 880' Open Hole: X Perforated:

Completion: 40 qts, 864-880

NAME: Apollo Energy, LP LEASE: Russell USA no. 017

API# 3001502365 Type: Oil

Location: 2322 FSL & 1005 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction:

Date: Depth: Open Hole: Perforated:

Completion:

NAME: Collier Pet Corp LEASE: Wills Federal 10y

API# 3001502366 Type: Oil

Location: 2222 FSL-1005 WSL Sec: 14 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 45' w 35sx 4 1/2' to 747' w 140 sx

Date: 5/10/1962 Depth: 810 Open Hole: X Perforated:

Completion:

NAME: Apollo Energy, LP LEASE: Russell USA no. 018

API# 3001502367 Type: Oil

Location: 200 FNL & 2340 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 733' w 100 sx; 5 1/2" to 217' w 10 sx

Date: 9/5/1945 Depth: 867' Open Hole: X Perforated:

Completion: 50 qts. 842-867

NAME: Apollo Energy, LP LEASE: Russell USA no. 019

API# 3001502368 Type: Oil

Location: 1656 FSL & 1005 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 689' w 80 sx

Date: 1/30/1946 Depth: 825' Open Hole: X Perforated:

Completion: 50 qts. 820-825

NAME: Apollo Energy, LP LEASE: Russell USA no. 020

API# 3001502369 Type: Oil

Location: 330 FSL & 1005 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 557' w 85 sx Circ.

Date: 2/20/1946 Depth: 797' Open Hole: X Perforated:

Completion: 50 qts. 792-797

NAME: Apollo Energy, LP LEASE: Russell USA no. 021

API# 3001502370 Type: Oil

Location: 996 FSL & 330 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 681' w 125 sx Circ.

Date: 8/19/1946 Depth: 811' Open Hole: X Perforated:

Completion: 30 qts. 796-811

NAME: Apollo Energy, LP LEASE: Russell USA no. 022

API# 3001502371 Type: Oil

Location: 1656 FSL & 330 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 679' w 125 sx Circulated

Date: 9/16/1946 Depth: 808' Open Hole: X Perforated:

Completion: 100 qts. 775-800

NAME: Apollo Energy, LP LEASE: Russell USA no. 023

API# 3001502372 Type: Oil

Location: 338 FSL & 352 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 670' w 150 sx Circulated

Date: 9/28/1946 Depth: 782' Open Hole: X Perforated:

Completion: 30 qts. 767-782

NAME: Apollo Energy, LP LEASE: Russell USA no. 024

API# 3001502373 Type: Oil

Location: 2322 FNL & 2333 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 775' w 150 sx Circulated

Date: 6/29/1947 Depth: 849' Open Hole: X Perforated:

Completion: 40 qts. 829-849

NAME: Apollo Energy, LP LEASE: Russell USA no. 025

API# 3001502374 Type: Oil

Location: 2322 FNL & 1665 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 717' w 150 sx Circulated

Date: 7/8/1947 Depth: 847' Open Hole: X Perforated:

Completion: 30 qts. 832-847

NAME: Apollo Energy, LP LEASE: Russell USA no. 026

API# 3001502375 Type: Oil

Location: 1656 FNL & 1665 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 732' w 150 sx

Date: 7/20/1947 Depth: 854' Open Hole: X Perforated:

Completion: 40 qts. 834-854

NAME: Apollo Energy, LP LEASE: Russell USA no. 027

API# 3001502376 Type: Oil

Location: 996 FNL & 1665 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 752' w 150 sx Circulated

Date: 7/29/1947 Depth: 870' Open Hole: X Perforated:

Completion: 40 qts. 850-870

NAME: Apollo Energy, LP LEASE: Russell USA no. 028

API# 3001502377 Type: Oil

Location: 330 FNL & 1665 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7"@ 652' w 150 sx. Circulated

Date: 8/9/1947 Depth: 875" Open Hole: x Perforated:

Completion: 40 qts 845-865

NAME: Apollo Energy, LP LEASE: Russell USA no. 029

API# 3001502378 Type: Oil

Location: 1980 FNL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 9" to 453' w 50 sx; 7" to 725' w 50 sx

Date: 4/7/1943 Depth: 815' Open Hole: X Perforated:

Completion: 30 qts 794-805

NAME: Apollo Energy, LP LEASE: Russell USA no. 030 ✓

API# 3001502379 Type: Oil

Location: 660 FNL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 10" to 190'; 8 5/8 to 365'; 7" to 732' w 100 sx

Date: 9/4/1943 Depth: 850' Open Hole: X Perforated:

Completion: 40 qts. 825-845 845-850

NAME: Apollo Energy, LP LEASE: Russell USA no. 031 ✓

API# 3001502380 Type: Oil

Location: 2310 FNL & 1650 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 10" to 212' 50 sx mud; 7" to 702' 75 sx

Date: 10/24/1944 Depth: 816' Open Hole: X Perforated:

Completion: 50 qts. 787-813

NAME: Apollo Energy, LP LEASE: Russell USA no. 032 ✓

API# 3001502381 Type: Oil

Location: 1017 FNL & 2310 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 10" to 214'; 8" to 450" w 50 sx; 7" to 728' w 75 sx

Date: 6/6/1948 Depth: 870' Open Hole: X Perforated:

Completion: 5 qts 845-860

NAME: Apollo Energy, LP LEASE: Russell USA no. 033

API# 3001502382 Type: Oil

Location: 2322 FSL & 2337 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 294' w 25 sx mud; 7" to 706' w 100 sx el toro

Date: 5/1/1945 Depth: 870' Open Hole: X Perforated:

Completion: 50 qts. 845-870

NAME: Apollo Energy, LP LEASE: Russell USA no. 034

API# 3001502383 Type: Oil

Location: 959 FSL & 1669 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 283'; 7" to 703 w 100sx el toro

Date: 5/25/1945 Depth: 814' Open Hole: X Perforated:

Completion: 50 qts. 788-813

NAME: Apollo Energy, LP LEASE: Russell USA no. 035

API# 3001502384 Type: Oil

Location: 332 FNL & 2340 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 354'; 7" to 745' w 100 sx circulated to surface

Date: 6/19/1946 Depth: 847' Open Hole: X Perforated:

Completion: 50 qts. 845-847

NAME: Apollo Energy, LP LEASE: Russell USA no. 036

API# 3001502385 Type: Oil

Location: 1659 FSL & 1670 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 362' mudded hole; 7" to 712' w 75 sx

Date: 7/14/1946 Depth: 835' Open Hole: X Perforated:

Completion: 50 qts. 831-835

NAME: Apollo Energy, LP LEASE: Russell USA no. 037

API# 3001502386 Type: Oil

Location: 331 FSL & 1669 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 318' mudded hole; 7" to 695' w 75 sx circulated between strings

Date: 9/14/1946 Depth: 810' Open Hole: X Perforated:

Completion: 40 qts. 790-810

NAME: Apollo Energy, LP LEASE: Russell USA no. 038

API# 3001502387 Type: Oil

Location: 2321 FNL & 2339 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 301' mudded; 7" to 731' w 75 sx circulated

Date: 11/27/1946 Depth: 826' Open Hole: X Perforated:

Completion: 60 qts. 796-826

NAME: Apollo Energy, LP LEASE: Russell USA no. 039 ✓

API# 3001502388 Type: Oil

Location: 2322 FSL & 2339 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 287'; 7" to 765' w 100 el toro

Date: 7/24/1945 Depth: 852' Open Hole: X Perforated:

Completion: 50 qts. 826-850

NAME: Apollo Energy, LP LEASE: Russell USA no. 040 ✓

API# 3001502389 Type: Oil

Location: 1658 FSL & 2338 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" o 316'; 7" to 728' w 75 sx circulated b/tw strings

Date: 2/20/1947 Depth: 844' Open Hole: X Perforated:

Completion: 40 qts. 824-844

NAME: Apollo Energy, LP LEASE: Russell USA no. 041 ✓

API# 3001502390 Type: Oil

Location: 1658 FNL & 2339 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 293' mudded; 7" to 734' w 75 sx circulated between strings

Date: 4/2/1947 Depth: 829' Open Hole: X Perforated:

Completion: 60 qts. 799-829

NAME: Apollo Energy, LP LEASE: Russell USA no. 042 ✓

API# 3001502391 Type: Oil

Location: 2322 FSL & 1669 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 282'; 7" to 716' w 75 sx circulated strings

Date: 5/12/1947 Depth: 834' Open Hole: X Perforated:

Completion: 60 qts. 803-833

NAME: Apollo Energy, LP LEASE: Russell USA no. 043 ✓

API# 3001502392 Type: Oil

Location: 1650 FSL & 2339 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 965' w 200 sx

Date: 7/9/1948 Depth: 824' Open Hole: X Perforated:

Completion: 50 qts. 797-822

NAME: Apollo Energy, LP LEASE: Russell USA no. 044 ✓

API# 3001502393 Type: Oil

Location: 959 FSL & 2339 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 686' w 125 sx circulated

Date: 7/17/1948 Depth: 820' Open Hole: X Perforated:

Completion: 50 qts. 795-820

NAME: Apollo Energy, LP LEASE: Russell USA no. 045

API# 3001502394 Type: Oil

Location: 2322 FSL & 1669 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 742' w 125 sx circulated

Date: 8/2/1948 Depth: 869' Open Hole: X Perforated:

Completion: 40 qts. 849-869

NAME: Apollo Energy, LP LEASE: Russell USA no. 046

API# 3001502395 Type: Oil

Location: 1658 FNL & 1669 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 682' w 125 sx circulated

Date: 7/24/1948 Depth: 804' Open Hole: X Perforated:

Completion: 30 qts. 789-804

NAME: Apollo Energy, LP LEASE: Russell USA no. 047

API# 3001502398 Type: Injection

Location: 330 FSL & 330 FEL Sec: 14 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 655' w 125' sx Circ.

Date: 7/17/1946 Depth: 993' Open Hole: X Perforated:

Completion: 40 qts. 756-770

NAME: Apollo Energy, LP LEASE: Russell USA no. 048

API# 3001502399 Type: Injection

Location: 996 FSL & 330 FEL Sec: 14 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 662' w 125 sx Circ

Date: 7/30/1946 Depth: 784' Open Hole: X Perforated:

Completion: 40 qts. 764-784

NAME: Apollo Energy, LP LEASE: Russell USA no. 049

API# 3001506186 Type: Oil

Location: 660 FNL & 2000 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 6 5/8 to 816 w 100 sx

Date: 11/24/1948 Depth: 875' Open Hole: X Perforated:

Completion:

NAME: Apollo Energy, LP LEASE: Russell USA no. 050

API# 3001506187 Type: Oil

Location: 1305 FNL & 1980 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 823" w 100 sx

Date: 3/14/1951 Depth: 846' Open Hole: X Perforated:

Completion:

NAME: Apollo Energy, LP LEASE: Russell USA no. 051

API# 3001506188 Type: Oil

Location: 1325 FSL & 660 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 4 1/2 to 827' w 125 sx

Date: 12/1/1956 Depth: 827 Open Hole: Perforated: X

Completion: 4 shots per foot 791' to 802' + 808' 816' frac 500# 20/40 sand

NAME: Apollo Energy, LP LEASE: Russell USA no. 052

API# 3001506189 Type: Oil

Location: 660 FSL & 1315 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 4 1/2" to 815' w509 sx

Date: 1/18/1957 Depth: 815 Open Hole: Perforated: X

Completion: Shot 60 qts 803 to 780

NAME: Apollo Energy, LP LEASE: Russell USA no. 053

API# 3001506191 Type: Oil

Location: 2310 FNL & 990 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 257' w10 sx, 4 1/2 @ 884' w 162 sx

Date: 2/5/1957 Depth: 884' Open Hole: Perforated: X

Completion: 60 qts 863 to 884

NAME: Apollo Energy, LP LEASE: Russell USA no. 054

API# 3001510099 Type: Oil

Location: 660 FNL & 2630 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" @ 157' w 26 sx, 4 1/2 @ 826' w 100 sx

Date: 11/18/1963 Depth: 857 Open Hole: X Perforated:

Completion: 46 qts. 825 to 856'

NAME: Apollo Energy, LP LEASE: Russell USA no. 055

API# 3001510100 Type: Oil

Location: 1980 FNL & 2630 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" @ 160' w 25 sx pumped, 4 1/2 @ 806' w 60 sx pumped

Date: 9/6/1963 Depth: 825 Open Hole: X Perforated:

Completion: 22 qts 810 - 825

NAME: Apollo Energy, LP LEASE: Russell USA no. 056

API# 3001510204 Type: Oil

Location: 2630 FNL & 1330 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" @ 150' w 25 sx, 6 5/8 @ 126' at 5 1/2 @ 655' w 60 sx (taprod)

Date: 2/19/1963 Depth: 810 Open Hole: x Perforated:

Completion: 75 qts 780 - 809

NAME: Apollo Energy, LP LEASE: Russell USA no. 057

API# 3001510214 Type: Oil

Location: 1330 FSL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" @ 95' w 15 sx, 4 1/2 @ 800 w 100

Date: 7/29/1963 Depth: 820 Open Hole: X Perforated:

Completion: 18 qts 806' - 818'

NAME: Apollo Energy, LP LEASE: Russell USA no. 058

API# 3001510240 Type: Oil

Location: 660 FNL & 1310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" @ 160' w 28 sx, 4 1/2 @ 858' w 50 sx

Date: 10/22/1963 Depth: 881 Open Hole: X Perforated:

Completion: 45 qts, 880 - 457

NAME: Apollo Energy, LP LEASE: Russell USA no. 059

API# 3001510250 Type: Oil

Location: 1980 FSL & 2630 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" @ 97' w 25 sx, 4 1/2 @ 818 w 60 sx

Date: 6/22/1963 Depth: 848 Open Hole: Perforated:

Completion: 30 qts 823-848

602,
NAME: Apollo Energy, LP LEASE: Russell USA no. 061 ✓

API# 3001510421 Type: Oil

Location: 2630 FNL & 1980 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 160' w 15 sx, 4 1/2 to 850'w 60 sx

Date: 6/29/1964 Depth: 863 Open Hole: X Perforated:

Completion: 22 qts 863 - 848

NAME: Apollo Energy, LP LEASE: Russell USA no. 062 ✓

API# 3001510422 Type: Oil

Location: 1980 FNL & 1310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 145' w 22 sx, 4 1/2 to 839'w 60 sx

Date: 7/20/1964 Depth: 461 Open Hole: X Perforated:

Completion: 46 qts 837 - 860

NAME: Apollo Energy, LP LEASE: Russell USA no. 063 ✓

API# 3001510423 Type: Oil

Location: 1310 FNL & 1310 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 161' w 15 sx, 5 1/2 to 847' w 60 sx

Date: 9/25/1964 Depth: 866 Open Hole: X Perforated:

Completion: 40 qts

NAME: Apollo Energy, LP LEASE: Russell USA no. 064 ✓

API# 3001510424 Type: Oil

Location: 1330 FSL & 1330 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 165' w 15 sx, 5 1/2 to 805' w 75 sx

Date: 11/9/1964 Depth: 826 Open Hole: X Perforated:

Completion: 50 qts

NAME: Apollo Energy, LP LEASE: Russell USA no. 066 ✓

API# 3001520230 Type: Oil

Location: 2635 FNL & 2635 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 172' w 15 sx, 5 1/2 to 818' w 50 sx

Date: 6/27/1969 Depth: 859' Open Hole: X Perforated:

Completion: 40 qts 835 to 859

NAME: Apollo Energy, LP LEASE: Russell USA no. 067 ✓

API# 3001520231 Type: Oil

Location: 1328 FNL & 2635 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 168' w 15 sx, 5 1/2 to 802' w 50 sx

Date: 8/15/1969 Depth: 834 Open Hole: X Perforated:

Completion: 50 qts 810 to 834

NAME: Apollo Energy, LP LEASE: Russell USA no. 068

API# 3001520463 Type: Oil

Location: 10 FSL & 1980 FEL Sec: 12 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7" to 178' w 15 sx, 5 1/2 to 842' w 50 sx

Date: 1/3/1972 Depth: 864 Open Hole: X Perforated:

Completion: 43 qts 842 to 864

NAME: Apollo Energy, LP LEASE: Russell USA no. 069

API# 3001526491 Type: Oil

Location: 1170 FNL & 1965 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 8 5/8" to 302' w 300 sx circulated; 4 1/2 to 1100" w 250 sx circulated

Date: 12/2/1990 Depth: 972' Open Hole: Perforated: X

Completion: 800-805 10HLS 1500 gals 15% NEFE; 859-865 12 HLS, no treatment, 911-923 20 hls 3000 gal 15% NEFE

NAME: Oxy USA WTP Limited Partnership LEASE: Government AC No. 002 ✓✓

API# 3001521514 Type: Gas

Location: 1800 FNL & 1980 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Delaware Formation

Construction: 13 3/8, 48 @900' w 775 sax Circ, 9 5/8" @ 300' w 1,100 sacks circ, 5 1/2 17 + 20 @ 11,610 PCTD, 5,240 top atcement, 2740

Date: 6/1/1975 Depth: 5240' Open Hole: x Perforated:

Completion: PB Morrow, Bone Springs, open Brushing 5216-5230 Acidized w 1000 gals 15% NEFC

NAME: Thunderbolt Petroleum, LLC LEASE: Indigo Federal No. 001

API# 3001526478 Type: Oil

Location: 1650' FSL & 660 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Delaware Formation

Construction: 13 3/8" to 300 w 330sx Circulated, 8 5/8" to 2875 w 1320 sx 1" with 200sx, 5 1/3 to 7800" w 1050 sx

Date: 2/7/1991 Depth: 7800' Open Hole: x Perforated:

Completion: P.B. TD 5,320 @5009'

NAME: NORDSTRAND ENGINEERING INC LEASE: Oxy Yates Fed #7

API# 3001530800

Type: Oil Location: 330 FNL & 990 FNL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 7 7/8", 5 1/2 w J55@15.5/ ft, 5 1/2" surface circulate casing 525 sk class c 2% CACL

Date: Depth: 850' Open Hole: Perforated:

Completion: No Information Available

NAME: EGL Resources, Inc LEASE: Oxy Yates Fed #3 API# 3001530594

Type: Gas Location: 660 FEL & 2310 FNL Sec: 14 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 5 1/2 J55, 1505# 765', hole size 7 7/8, 776 sx cls C circ

Date: Depth: 890 Open Hole: Perforated:

Completion: No Information Available

NAME: Timothy D. Collier LEASE: Pre - Ongard Well No. 5 ✓✓
API# 3001502359

Type: Oil Location: 705 FSL 2025 FEL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 10"/222' , 8-5/8" 566' w50 sacks of cement, 7" 710' w 50 sx of cement, Mudded

Date: Depth: 710' Open Hole: Perforated:

Completion: Solid Nitro. 40 qts. 6-5-43 842 to 862 to bottom

NAME: LEASE: No Information on OCD API# 3001502354 ✓✓

Type: Location: Sec: Township Range:

Field and Formation:

Construction:

Date: Depth: Open Hole: Perforated:

Completion:

NAME: Nordsand Engineering LEASE: Oxy Yates 13 Federal No. 016 ✓✓

API# 3001531428 Type: Oil

Location: 380 FNL & 990 FWL Sec: 13 Township 20S Range: 28E

Field and Formation: Russell USA Field; Yates Formation

Construction: 1 7/8, 5 1/2 K55@876' 500 sx calss circ, 2 3/8 870'

Date: 11/23/1999 Depth: 915' Open Hole: x Perforated:

Completion: OH 876' - 915'

Name: Apollo Energy, L.P.

Lease: Russell USA No. 73

API # 3001536106

Location: 1550' FSL & 2580' FWL Sec: 13 Township 20S Range 28E

Field and Formation: Russell USA Field; Yates Formation

Date: 7/14/2007 Depth: 1,200'

Name: Apollo Energy, L.P.

Lease: Russell USA No. 074

API # 3001536107

Location: 1486' FSL & 1155' FWL Sec: 13 Township 20S Range 28E

Field and Formation: Russell USA Field; Yates Formation

Date: 2/13/2008 Depth: 1,200'

Name: EGL Resources Inc.

Lease: Oxy Yates 13 Federal No. 13

API#: 3001531428

Location: 380' FNL & 990' FWL Sec: 13 Township 20S Range 28E

Field and Formation: Russell USA Field

Date: 10/31/99 Depth: 850'

Name: Pre-Ongard Well Operator

Lease: Pre-Ongard Well No. 3

API#: 3001526616

Location: 660' FSL & 990' FWL Sec: 13 Township 20S Range 28E

Field and Formation: Russell USA Field; Bone Spring Formation

Date: 1/15/91 **Depth:** 8,000'

Name: Pre-Ongard Well Operator **Lease:** Pre-Ongard Well No. 2

API#: 3001526615

Location: 660 FSL & 1650' FWL **Sec:** 13 **Township** 20S **Range** 28E

Field and Formation: Russell USA Field

Date: 1/15/99 **Depth:** 8,000'

Name: Pre-Ongard Well Operator **Lease:** Pre-Ongard Well No. 47

API#: 3001520487

Location: 1326' FSL & 5' FWL **Sec:** 13 **Township** 20S **Range** 28E

Field and Formation: Russell USA Field

Date: 8/13/71 **Depth:** 800'

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**CASE NO. 13935
ORDER NO. R-12887**

**APPLICATION OF APOLLO ENERGY, L.P.
FOR APPROVAL OF A WATERFLOOD
PROJECT, EDDY COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on June 21, 2007, at Santa Fe, New Mexico, before Examiners David K. Brooks and Richard Ezeanyim.

NOW, on this 18th day of January, 2008, the Division Director, having considered the testimony, the record and the recommendations of the Examiners,

FINDS THAT:

(1) Due notice has been given, and the Division has jurisdiction of the subject matter of this case.

(2) By this application, Apollo Energy, L.P. (Applicant) seeks authority to institute a waterflood project in the Yates formation, within a project area consisting of the following described lands in Township 20 South, Range 28 East, NMPM, in Eddy County, New Mexico:

Section 12: SW/4 SE/4
Section 13: N/2, SW/4, N/2 SE/4 and SW/4 SE/4
Section 14: SE/4 SE/4

comprising 680 acres, included within a single federal oil and gas lease.

(3) Applicant proposes to drill and utilize five injection wells, in addition to two existing, permitted disposal wells, at locations identified on Exhibit A to this Order, for injection of produced water into the Yates formation in the Russell-Yates Pool

(52820), through an injection interval at a depth between 700 feet to 900 feet below the surface. Applicant anticipates adding additional injection wells and will seek authorization for such additional injection wells by administrative application pursuant to Division rules.

(4) Applicant proposes to construct the injection wells with 8 5/8" surface casing set at 302 feet and cemented to surface, and 5 1/2" casing set in the vicinity of total depth, estimated to be approximately 1200 feet, and cemented to surface. Applicant may drill into and test the Seven Rivers formation, below the Yates, and then shall set a cast-iron bridge plug in the casing above the base of the Yates formation, at approximately 975 feet. Injection will be accomplished through 2 3/8" tubing, installed in a 5 1/2" tension packer, set in the casing at approximately 775 feet.

(5) At the hearing, Applicant appeared through counsel and presented testimony and exhibits to the effect that:

(a) The proposed project area is part of an area that was authorized for waterflood by Order R-263, issued in Case No. 469 on February 10, 1953. Substantial injection activity occurred pursuant to that order, but injection ceased several years ago, and all producing wells in the area have been shut in by order of the United States Bureau of Land Management for at least two years.

(b) The entire project area consists of a single federal oil and gas lease, and Applicant is the owner of 100% of the working interest in the Yates formation throughout the project area. Overriding royalty ownership in the Yates formation is uniform throughout the project area.

(c) Two wells within the project area have been recently permitted as injection wells for purposes for disposal of produced water. These are USA Well No. 60 and the USA Well No. 65, more specifically described in Exhibit A, which were permitted for injection by Administrative Orders SWD-1079 and SWD-1080, respectively. The USA Well No. 60 is currently injecting into the Yates formation. The USA Well No. 65 failed mechanical integrity test, and is not active at this time.

(d) The Yates formation in this area is encountered at depths from approximately 700 feet to approximately 1000 feet beneath the surface, and is correlated, and continuous, across the project area. It consists of a collection of alternating sands and shales. It is basically a stratigraphic trap. There is no particular, identified closing structure. However, the Yates reservoir quality diminishes to the north, west, south and southeast of the project area. The sands either lose their reservoir quality or they become limy and anhydritic. The Yates and Seven Rivers formations overlie the Capitan Reef. There is a salt section 100 to 150 feet in thickness approximately 100 feet above the Yates.

(e) The only fresh water-bearing formation Applicant has identified in the project area is the Rustler formation, which lies at a depth of 70 to 85 feet below the surface. There are no operable water wells in the project area or the Area of Review. Applicant has contacted the Office of the State Engineer (OSE) regarding fresh water sources that might be affected. The OSE advised that there are no known sources of fresh water in this area.

(f) To applicant's knowledge, there is no faulting that would connect the proposed injection formation with any fresh water bearing zone.

(g) Based on available data, the reservoir probably has on the order of 16% porosity and had original water saturation on the order of 35%. Original oil in place was estimated at 6 million barrels. The reservoir has produced (cumulative primary and secondary) approximately 2.4 million barrels of oil and 8.5 million barrels of water, including water that was re-injected in earlier waterflood operations.

(h) The existing wells within the project area are "stripper wells" in the sense that they have reached an advanced state of depletion.

(i) From a geologic standpoint, the project area is susceptible to further waterflooding; previous waterflood operations were apparently abandoned due to neglect, not because those operations had exhausted their potential. Estimates of incremental oil recovery by further water injection range from 88,900 barrels to 919,500 barrels. Applicant believes that it can recover at least 100,000 to 150,000 barrels of additional oil from the proposed waterflood.

(j) Applicant proposes initially to inject into the two permitted disposal wells and the five new wells described in Exhibit A. The injection medium will be produced water from the formation. Subsequently, Applicant may seek to add as many as 20 to 30 more injectors, and Applicant plans to study the feasibility of converting the project to tertiary, surfactant injection.

(k) There are 75 wells in the Area of Review. Ten of these have been plugged and abandoned. Based on Division records, these wells have been properly plugged to prevent movement of fluids to other zones. There are several producing wells that penetrate the Yates formation and are completed in much deeper formations. However, these wells are cased through the Yates formation, and accordingly will not serve as a conduit for movement of injected fluids out of the formation. The remaining wells in the Area of Review are operated by Applicant and completed in the Yates formation. These wells have surface casing set and cemented below the base of the Rustler, fresh water bearing formation.

(l) Division records indicate that previous operators have injected approximately 14.5 million barrels of water into this formation. There have been no reported surface leaks.

(m) Applicant has conducted a step rate test on the USA Well No. 60 (the existing, active injector), and has determined, based on the results of that test, that the pressure that will initiate a fracture in the formation is between 450 and 500 psi. Applicant is requesting a maximum surface injection pressure of 400 psi.

(6) No other party appeared at the hearing or otherwise opposed the application prior to the hearing. After the hearing, Nordstrand Engineering, Inc, an operator of a deeper producing well within the project area not completed in the Yates formation, filed a protest. The Division advised Nordstrand that it should file a motion to re-open the hearing not later than December 10, 2007, if it wished to present evidence in support of its protest. However, it did not file such a motion.

The Division concludes that:

(7) The design of the injection wells is appropriate and should be approved. The testimony is somewhat unclear about the presence of freshwater. However, the proposed casing plan should adequately protect freshwater sources that may exist.

(8) The plugged and abandoned wells in the Area of Review identified in Applicant's C-108 are properly plugged to prevent the movement of fluids from the injection zone.

(9) There is an additional plugged and abandoned well in the Area of Review, Pre-Ongard Well No. 1 (API No. 30-015-02424), located 660 feet from the North Line and 660 feet from the West Line (Unit D) of Section 24-20S-28E. However, Division records indicate that this well, also, has been properly plugged.

(10) The wells in the Area of Review having open completions appear to be adequately cased and cemented, so that none of them will become a conduit for the escape of fluid from the permitted injection formation. Accordingly no remedial work on wells in the Area of Review is required.

(11) Based on the step-rate test that Applicant conducted on the USA Well No. 60, which Applicant presented to the examiners following the hearing, Applicant should be authorized initially to inject fluids at a surface injection pressure not to exceed 300 psi; provided that Applicant may apply to the Division for a higher injection pressure upon satisfactorily demonstrating that an increase in injection pressure will not result in fracturing of the injection formation or confining strata.

(12) The proposed project will, in reasonable probability, prevent waste by making possible the production of oil that would not otherwise be produced, and will not impair correlative rights.

(13) Accordingly, the application should be approved.

IT IS THEREFORE ORDERED THAT:

(1) Apollo Energy, L.P. [OGRID 248192] ("Applicant" or "Operator") is hereby authorized to institute a waterflood injection project in the Yates sand member of the Yates formation [Russell-Yates Pool (52820)], within a project area consisting of the following described lands in Township 20 South, Range 28 East, NMPM, in Eddy County, New Mexico:

Section 12: SW/4 SE/4
Section 13: N/2, SW/4, SW/4 SE/4
Section 14: SE/4 SE/4

comprising 680 acres, included within a single federal oil and gas lease.

(2) This project is hereby designated the Russell Yates Waterflood Project ("the Project"). Applicant is designated operator of the project.

(3) Operator is authorized to re-inject produced water into the Yates formation within an appropriate injection interval between approximately 700 feet and 900 feet below the surface, through the Russell USA Well No. 60 (API No. 30-015-10420), previously permitted as a disposal well, and the five new injection wells to be drilled as described in Exhibit A hereto.

(4) Inasmuch as the evidence indicates that the Russell USA Well No. 65, also previously permitted as a disposal well, does not have mechanical integrity, and Operator has not made a decision regarding future use of that well, permission to inject into the Russell USA Well No. 65 at this time is denied. If Operator decides to restore the Russell USA Well No. 65 as an injection well, Operator shall first file a separate administrative application to reinstate injection authority for that well.

(5) The operator shall take all steps necessary to ensure that the injected fluid enters only the injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(6) Injection into each proposed injection well shall be accomplished through 2-3/8 inch, plastic coated, steel tubing installed in a packer set within 100 feet of the uppermost injection perforations. The casing-tubing annulus shall be filled with an inert fluid, and a gauge or approved leak-detection device shall be attached to the annulus in order to detect leakage in the casing, tubing or packer. The Operator shall set a cast iron bridge plug below the lowest perforations, to isolate the injection formation.

(7) Prior to commencing injection operations into any well, the casing in the injection well shall be pressure tested throughout the interval from the surface down to the packer setting depth to assure the integrity of such casing.

*Bound by
this
depth*

*#65
denied*

300
psi

(8) Each injection well shall be initially equipped with a pressure control device or acceptable substitute that will limit the surface injection pressure to no more than 300 psi.

(9) The Division Director shall have the authority to administratively authorize an increase in injection pressure upon a showing by the operator that such higher pressure will not result in fracturing of the injection formation or confining strata.

(10) For each injection well, the operator shall give at least 72 hours advance notice to the supervisor of the Division's Artesia District Office of the date and time (i) injection equipment will be installed, and (ii) the mechanical integrity pressure tests will be conducted, so that these operations may be witnessed.

(11) The operator shall provide written notice of the date of commencement of injection into each well to the Artesia District Office of the Division.

(12) The operator shall immediately notify the supervisor of the Division's Artesia District Office of the failure of the tubing, casing or packer in any of the injection wells, or the leakage of water, oil, gas or other fluid from or around any producing, abandoned or inactive well within ½ mile of any injection well, and shall take all steps as may be timely and necessary to correct such failure or leakage.

(13) The Project shall be governed by Division Rules No. 701 through 708. The operator shall submit monthly reports of the injection operations on Division Form C-115, in accordance with Division Rules 706 and 1120.

(14) In accordance with Rule 705.C, the injection authority granted herein shall terminate one year after the effective date of this order if the Operator has not commenced injection operations; provided, however, the Division, upon written request by the Operator, filed prior to the expiration of the one-year period, may grant an extension for good cause.

(15) Operator shall provide written notice to the Division upon permanent cessation of injection into the Project and upon final completion of the Project.

(16) Operator may, from time to time, seek Division approval to add additional injection wells within the project area, or to change the authorized injection interval of any well, within the Yates formation, by administrative application, in accordance with Division rules.

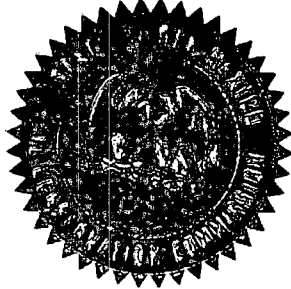
(17) In the event that Operator determines to convert the project area to a tertiary, surfactant injection project, as suggested in the testimony, Operator shall first file an application pursuant to Division Rule 701, and obtain Division approval after appropriate notice and hearing.

(18) This order does not relieve Operator of responsibility should its operations cause any actual damage or threat of damage to protectible fresh water, human health or the environment; nor does it relieve the operator of responsibility for complying with applicable Division rules or other state, federal or local laws or regulations.

(19) Upon failure of the operator to conduct operations (1) in such manner as will protect fresh water, or (2) in a manner consistent with the requirements in this order, the Division may, after notice and hearing, (or without notice and hearing in event of an emergency, subject to the provisions of NMSA 1978 Section 70-2-23), terminate the injection authority granted herein.

(20) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

MARK E. FESMIRE, P.E.
Director

Case No. 13935
Exhibit A to
Order No. R-12887

Authorized Injection Wells

Existing, Permitted Disposal Well

Russell USA Well No. 60
API No. 30-015-10420
2630 FNL, 1980 FWL
F-13-20S-28E

New Injection Wells to Be Drilled

Russell USA Well No. 70
1980 FSL, 2310 FWL
K-13-20S-28E

Russell USA Well No. 71
1110 FSL, 1980 FWL
N-13-20S-28E

Russell USA Well No. 72
2480 FSL, 680 FWL
L-13-20S-28E

Russell USA Well No. 73
1550 FSL, 2580 FWL
K-13-20S-28E

Russell USA Well No. 74
1485 FSL, 1155 FWL
L-13-20S-28E

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 13935
ORDER NO. R-12887-A
Nunc Pro Tunc

APPLICATION OF APOLLO ENERGY, L.P.
FOR APPROVAL OF A WATERFLOOD
PROJECT, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This case came on for hearing at 8:15 a.m. on June 21, 2007, at Santa Fe, New Mexico, before Examiners David K. Brooks and Richard Ezeanyim.

On January 18, 2008, the Division Director issued Order No. R-12887 in this case.

NOW, on this 14th day of May, 2008, the Division Director

FINDS THAT:

(1) Order No. R-12887 contains a clerical error, in that a portion of the legal description of the land constituting the Russell Yates Waterflood Project was inadvertently omitted.

IT IS THEREFORE ORDERED THAT:

(1) Ordering Paragraph (1) of Order No. R-12887, issued in Case No. 13935 on January 18, 2008, is hereby amended, *nunc pro tunc*, effective as of January 18, 2008, to read:

(1) Apollo Energy, L.P. [OGRID 248192] ("Applicant" or "Operator") is hereby authorized to institute a waterflood injection project in the Yates sand member of the Yates formation [Russell-Yates Pool (52820)], within a project area consisting of the following described lands

in Township 20 South, Range 28 East, NMPM, in Eddy County, New Mexico:

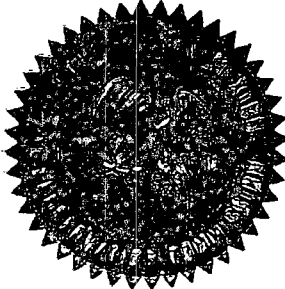
Section 12: SW/4 SE/4
Section 13: N/2, SW/4, N/2 SE/4 and SW/4 SE/4
Section 14: SE/4 SE/4

comprising 680 acres, included within a single federal oil and gas lease.

(2) In all other respects Order No. R-12887 shall remain in full force and effect as originally written.

(3) Jurisdiction of this case is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



SEAL

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

A handwritten signature in cursive script, appearing to read "Mark E. Fesmire".

MARK E. FESMIRE, P.E.
Director

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



OCD-ARTESIA

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

OCT 15 2008

2. Name of Operator
Apollo Energy, LP

OCD-ARTESIA

3a. Address
4823 Ihles Rd, Lake Charles, LA 70605

3b. Phone No. (include area code)
337-502-5227

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

1328 FN3 2635 FEL, S 13 T 20S R 28E

5. Lease Serial No.

NMLC 050797

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Russell USA #67

9. API Well No.

30-015-20231

10. Field and Pool, or Exploratory Area

Russell Yates

11. County or Parish, State

Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

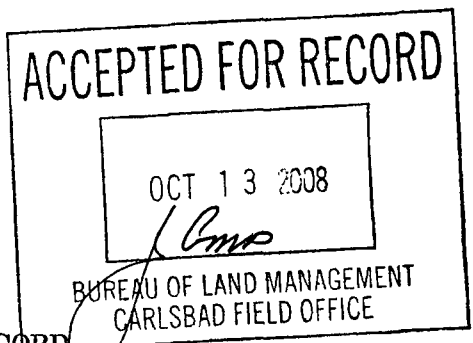
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

1. Clean out hole to 834'
2. RIH w/ 800" EUE 2 3/8" tubing w/ AD1 Tension Packer
3. Set Packer at 800'
4. Tested casing at 600 lbs. - all ok
5. Will perform MIT

Provide dates on Sub Reports.

Subject to NMCD Authorization

Awaiting WFX order!



ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Thomas G. Wright

OCT 15 2008
Title Vice-President

Signature

Gerry Guye, Deputy Field Inspector
NMCD-District II ARTESIA

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

COUNTY

POOL

TOWNSHIP

205

RANGE

28E

NMPM

Edg Co. NM

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

SW SE

N/2

SW

N/2
N/2SE/4
SW/4 SE/4

Well Selection Criteria Quick Print

(opno = 248192)

API Well #	Well Name and No.	Operator Name	Type	Stat	County	Surf	UL	Sec	Twp	Rng	FT/N/S	FT/E/W	UICPrmt	Lst Insp Dt
30-015-02348-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	12	20 S	28 E	663 S	2000 E		3/24/2008
30-015-02346-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	12	20 S	28 E	330 S	1650 E		3/24/2008
30-015-02345-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	12	20 S	28 E	330 S	2310 E		3/24/2008
30-015-20463-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	12	20 S	28 E	10 S	1980 E		5/27/2008
30-015-10240-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	A	13	20 S	28 E	660 N	1310 E		5/27/2008
30-015-02363-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	A	13	20 S	28 E	996 N	1005 E		5/27/2008
30-015-10423-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	A	13	20 S	28 E	1310 N	1310 E		5/27/2008
30-015-02358-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	990 N	2310 E		5/27/2008
30-015-10099-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	660 N	2630 E		5/27/2008
30-015-02367-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	200 N	2340 E		5/27/2008
30-015-02364-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	1656 N	1005 E		5/27/2008
30-015-02377-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	330 N	1665 E		5/27/2008
30-015-06186-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	660 N	2000 E		5/27/2008
30-015-06187-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	1305 N	1980 E		5/27/2008
30-015-02376-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	B	13	20 S	28 E	996 N	1665 E		5/27/2008
30-015-02384-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	C	13	20 S	28 E	332 N	2340 W		5/27/2008
30-015-26491-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	C	13	20 S	28 E	1170 N	1965 W		9/15/2008
30-015-36103-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	S	N	Eddy	F	C	13	20 S	28 E	660 N	2310 W		9/15/2008
30-015-02381-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	C	13	20 S	28 E	990 N	2310 W		9/15/2008
30-015-02379-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	C	13	20 S	28 E	660 N	1980 W		5/27/2008
30-015-02357-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	E	13	20 S	28 E	2310 N	990 W		9/15/2008
30-015-02390-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	F	13	20 S	28 E	1658 N	2339 W		5/27/2008
30-015-02380-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	F	13	20 S	28 E	2310 N	1650 W		5/27/2008
30-015-10204-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	F	13	20 S	28 E	2630 N	1330 W		9/15/2008
30-015-36104-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	I	N	Eddy	F	F	13	20 S	28 E	1530 N	1980 W		6/7/2007
30-015-10420-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	I	A	Eddy	F	F	13	20 S	28 E	2630 N	1980 W	WFX-744	6/7/2007
30-015-02395-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	F	13	20 S	28 E	1658 N	1669 W		5/27/2008
30-015-02387-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	F	13	20 S	28 E	2321 N	2339 W		5/27/2008
30-015-20231-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	1328 N	2635 E		5/27/2008
30-015-20230-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	2635 N	2635 E		5/27/2008

Well Selection Criteria Quick Print

(opno = 248192)

API Well #	Well Name and No.	Operator Name	Type	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrmt	Lst Insp Dt
30-015-02375-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	1656 N	1665 E		5/27/2008
30-015-02374-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	2322 N	1665 E		5/27/2008
30-015-02373-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	2322 N	2333 E		5/27/2008
30-015-10421-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	2630 N	1980 E		5/16/2008
30-015-02362-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	1650 N	2310 E		5/27/2008
30-015-10100-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	G	13	20 S	28 E	1980 N	2630 E		5/27/2008
30-015-10422-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	H	13	20 S	28 E	1980 N	1310 E		5/27/2008
30-015-06191-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	H	13	20 S	28 E	2310 N	990 E		5/27/2008
30-015-02394-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	J	13	20 S	28 E	2322 S	1669 E		5/27/2008
30-015-10250-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	J	13	20 S	28 E	1980 S	2630 E		5/27/2008
30-015-02353-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	J	13	20 S	28 E	1980 S	1968 E		5/27/2008
30-015-02382-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	J	13	20 S	28 E	2322 S	2337 E		5/27/2008
30-015-36105-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	S	N	Eddy	F	J	13	20 S	28 E	2480 S	1960 E		
30-015-02389-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	J	13	20 S	28 E	1658 S	2338 E		5/27/2008
30-015-02351-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	1980 S	1980 W		5/27/2008
30-015-02392-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	1650 S	2339 W		5/27/2008
30-015-02385-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	1659 S	1670 W		5/27/2008
30-015-02388-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	2322 S	2339 W		5/27/2008
30-015-02391-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	2322 S	1669 W		9/15/2008
30-015-20229-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	I	A	Eddy	F	K	13	20 S	28 E	1990 S	1337 W	WFX-744	11/6/2007
30-015-10424-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	1330 S	1330 W		5/27/2008
30-015-10214-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	K	13	20 S	28 E	1330 S	1980 W		5/27/2008
30-015-36106-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	S	N	Eddy	F	K	13	20 S	28 E	1550 S	2580 W		
30-015-02352-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	1980 S	660 W		5/27/2008
30-015-06188-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	1325 S	660 W		5/27/2008
30-015-02352-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	1980 S	660 W		5/27/2008
30-015-02365-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	2322 S	1005 W		5/27/2008
30-015-02368-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	1656 S	1005 W		5/27/2008
30-015-02371-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	L	13	20 S	28 E	1656 S	330 W		5/27/2008
30-015-36107-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	S	N	Eddy	F	L	13	20 S	28 E	1486 S	1155 W		

Well Selection Criteria Quick Print

(opno = 248192)

API Well #	Well Name and No.	Operator Name	Typ	Stat	County	Surf	UL	Sec	Twp	Rng	Ft N/S	Ft E/W	UICPrnt	Lst Insp Dt
30-015-02369-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	330 S	1005 W		5/27/2008
30-015-02370-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	996 S	330 W		5/27/2008
30-015-02360-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	996 S	1005 W		5/27/2008
30-015-02372-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	338 S	352 W		5/27/2008
30-015-06189-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	660 S	1315 W		5/27/2008
30-015-02355-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	M	13	20 S	28 E	660 S	660 W		5/27/2008
30-015-02350-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	N	13	20 S	28 E	660 S	1980 W		5/27/2008
30-015-02386-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	N	13	20 S	28 E	331 S	1669 W		5/27/2008
30-015-02393-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	N	13	20 S	28 E	959 S	2339 W		5/27/2008
30-015-02383-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	N	13	20 S	28 E	959 S	1669 W		5/27/2008
30-015-02356-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	13	20 S	28 E	1980 N	1980 E		5/16/2008
30-015-02361-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	O	13	20 S	28 E	990 S	2310 E		5/27/2008
30-015-02398-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	P	14	20 S	28 E	330 S	330 E		5/27/2008
30-015-02399-00-00	RUSSELL USA	APOLLO ENERGY, L.P.	O	A	Eddy	F	P	14	20 S	28 E	996 S	330 E		5/27/2008