

B	28/08	8/2/08	W Jones	5/29/08	WFX	PKVR0815035689
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for Marathon Notice

APPLY THIS LINE FOR DIVISION USE ONLY

738

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.

 Print or Type Name

 Signature

 Title

 Date

 e-mail Address



REAGAN SMITH

ENERGY SOLUTIONS, INC.

Perfecting the Efficient Development of Natural Resources

May 14, 2007

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

2007 MAY 27 PM 3 56

RECEIVED

RE: Apollo Energy, LP
Application for Authorization to Inject
Russell USA Field
Well # 9, 40, 41, 50, 58, 70, 71, & 72
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. The locations of #70, 71 & 72 in the order were incorrect as they were intended to be given from the quarter section but were not noted as such. The current application is to amend the locations of #70, 71 & 72 and also to add five (5) wells as conversion wells to injection wells.

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

Sincerely,

Spence Laird
For Apollo Energy, L.P.

Enc:
Cc: SL

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 L.P.
ADDRESS: 6363 Woodway, Ste. 1100, Houston, TX 77057
CONTACT PARTY: Tommy Wright PHONE: (337) 502-5227
- 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: Scott St. John TITLE: Project Manager
SIGNATURE: [Signature] DATE: 5/24/08
E-MAIL ADDRESS: sstjohn@rsenergysolutions.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.

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose of Application

1. Injection Well

II. Operator

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

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 Numbers:*

- i. Russell USA # 9
- ii. Russell USA # 40
- iii. Russell USA # 41
- iv. Russell USA # 49
- v. Russell USA # 50
- vi. Russell USA # 58
- vii. Russell USA # 70
- viii. Russell USA # 71
- ix. Russell USA #72

c. *Location of Wells:* Section 13 T20S R28E

d. *Footage Locations:*

- | | | | |
|-------------------------|-----------|-----------|-----|
| i. Russell USA # 9: | 1980' FNL | 1980' FEL | 300 |
| ii. Russell USA # 40: | 1658' FSL | 2338' FEL | 71 |
| iii. Russell USA # 41: | 1658' FNL | 2339' FWL | 300 |
| iv. Russell USA # 49: | 660' FNL | 2000' FEL | 11 |
| v. Russell USA # 50: | 1305' FNL | 1980' FEL | 300 |
| vi. Russell USA # 58: | 660' FNL | 1310' FEL | |
| vii. Russell USA # 70: | 2310' FWL | 660' FNL | ✓ |
| viii. Russell USA # 71: | 1530' FNL | 1980' FWL | ✓ |
| ix. Russell USA # 72: | 2480' FSL | 1960' FEL | ✓ |

2. Casing Specifications:

Russell USA #9

i. Casing Specifications:

a. Production Casing:

Casing string 7" 17#
Set at a depth of 780'
Total sacks of cement: 85 sx
Cement circulated to surface

1985 cement to top

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: 786'

iii. Seal System:

- a. Packer Model: Lyons Packer
b. Setting Depth: 789'

Change of agent 3/26/07
To Apollo Energy LP-
4/8/08 - intent work is to run
4 1/2" casing

Run CBL

Russell USA #40

All well information is Forthcoming

no logs

i. Casing Specifications: N/A

ii. Tubing Size: N/A

Lining Material: N/A

Setting Depth: N/A

iii. Seal System: N/A

Russell USA #41

i. Casing Specifications:

a. Surface Casing:

Casing string 8 5/8" 28#
Set at a depth of 293'

b. Intermediate Casing:

Casing string 7" 24#
Set at a depth of 734'
Total sacks of cement: 100 sx

c. Production Casing

Casing string 4 1/2"
Set at a depth of 884'

no logs in OGD file

Send DIL to
C&S Run in 11
MID 2007

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: N/A

iii. Seal System

- a. *Packer Model:* Tension Packer
b. *Setting Depth:* 775'

Russell USA # 49

no logs in file

i. Casing Specifications:

- a. *Surface Casing:* No Surface casing
Cement circulated to surface
- b. *Intermediate Casing:* Casing string 6 5/8"
Set at a depth of 816'
- c. *Production Casing:* Casing string 4 1/2" 10.5 #
Set a depth of 870'

*Pretest is
on input
well -
Conv. To oil well
1956*

*Turn in
CBL*

- ii. **Tubing Size:** 2 3/8" **Lining Material:** Plastic **Setting Depth:** 750'

iii. Seal System

- a. *Packer Model:* Tension Packer
b. *Setting Depth:* 801'

Russell USA #50

no logs in file

i. Casing Specifications

- a. *Surface Casing:* No Surface casing
~~Cement circulated to surface~~
- b. *Intermediate Casing:* Casing string 7"
Set at a depth of 823'
- c. *Production Casing:* Casing string 4 1/2" 9.5 #
Set a depth of 846'

- ii. **Tubing Size:** 2 3/8" **Lining Material:** Plastic **Setting Depth:** N/A'

iii. Seal System

- a. *Packer Model:* Tension Packer
b. *Setting Depth:* 801'

Russell USA #58

i. Casing Specifications:

a. Surface Casing:

Casing string 7" 20#
Set at a depth of 160'
Total sacks of cement: 25 sx

b. Production Casing:

Casing string 4 1/2"
Set at a depth of 858'
Total sacks of cement: 60 sx

no logs on file

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: Unkown

iii. Seal System

a. Packer Model: Unkown

b. Setting Depth: Unkown

Russell USA #70

i. Casing Specifications:

a. Surface Casing:

Casing string 8 5/8" 24# J-55
Set at a depth of 302'
Total sacks of cement: 130% excess yield Calc.
Cement circulated to surface

b. Production Casing:

Casing string 5 1/2" 14# J-55
Set at a depth of 1,200'
Total sacks of cement used was: sx
Top of Cement to Surface (circulated)

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: 775'

iii. Seal System

a. Packer Model: Arrow SL

b. Setting Depth: 775'

c. Also, CIBP set at a depth of 975'

Russell USA #71

*To be
Drilled
Why to 1200'?*

Russell 71

no logs

i. Casing Specifications:

a. Surface Casing:

Casing string 8 5/8" 24# J-55

Set at a depth of 302'

Total sacks of cement: 130% excess yield Calc.

Cement circulated to surface

b. Production Casing:

Casing string 5 1/2" 14# J-55

Set at a depth of 1,200'

Total sacks of cement used was: sx

Top of Cement to Surface (circulated)

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: 775'

iii. Seal System

a. Packer Model: Arrow SL

b. Setting Depth: 775'

c. Also, CIBP set at a depth of 975'

Russell USA #72

no logs

*To be Drilled
Why to 1200'?*

i. Casing Specifications:

a. Surface Casing:

Casing string 8 5/8" 24# J-55

Set at a depth of 302'

Total sacks of cement: 130% excess yield Calc.

Cement circulated to surface

b. Production Casing:

Casing string 5 1/2" 14# J-55

Set at a depth of 1,200'

Total sacks of cement used was: sx

Top of Cement to Surface (circulated)

ii. Tubing Size: 2 3/8"

Lining Material: Plastic

Setting Depth: 775'

iii. Seal System

a. Packer Model: Arrow SL

b. Setting Depth: 775'

c. Also, CIBP set at a depth of 975'

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.

See "Exhibit A"

1. **Injection formation:** Yates **Field/Pool:** Russell Yates
2. It will be perforated based on sand depth
3. Injection well
4. **Higher formation:** None **Lower formation:** Seven-Rivers (900' – 1,042')

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.

1. 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

1. Please see attached Tabulation of Data

VII. Proposed Operations

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

Russell USA # 9

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

Russell USA #40

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

Russell USA #41

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

Russell USA # 49

- The proposed maximum daily rate is estimated at 1,440 bpd.

- The proposed average daily rate is expected to be 500 bpd.

Russell USA #50

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

Russell USA #58

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

Russell USA #70

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

Russell USA #71

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

Russell USA #72

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

2. Is the system is open or closed.

- i. This will be a closed system

3. Proposed average and maximum injection pressure.

Russell USA # 9

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

Russell USA #40

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

Russell USA #41

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

Russell USA #49

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

Russell USA #50

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

Russell USA #58

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

Russell USA #70

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

Russell USA #71

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

Russell USA #72

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

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

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

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.).

- i. 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.

- i. Proposed stimulation programs will be forthcoming. 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 filed with the Division, they need not be resubmitted).

See "Exhibit B"

1. Pressure Charts for Well #9, #40 & #58
2. Step Rate Test for Well #9, #41 & #50
3. Remaining logging and step rate test data is forthcoming

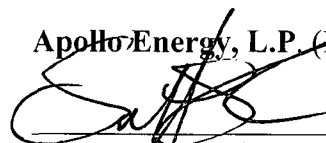
XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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

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)



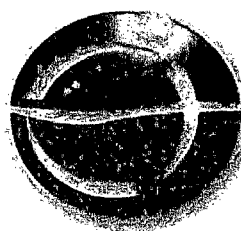
BY: Scott St. John, Agent for Apollo Energy
For Tommy Wright of **Apollo Energy, L.P.**
(Limited Partnership)

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

Exhibit - A



REAGAN SMITH
ENERGY SOLUTIONS, INC.

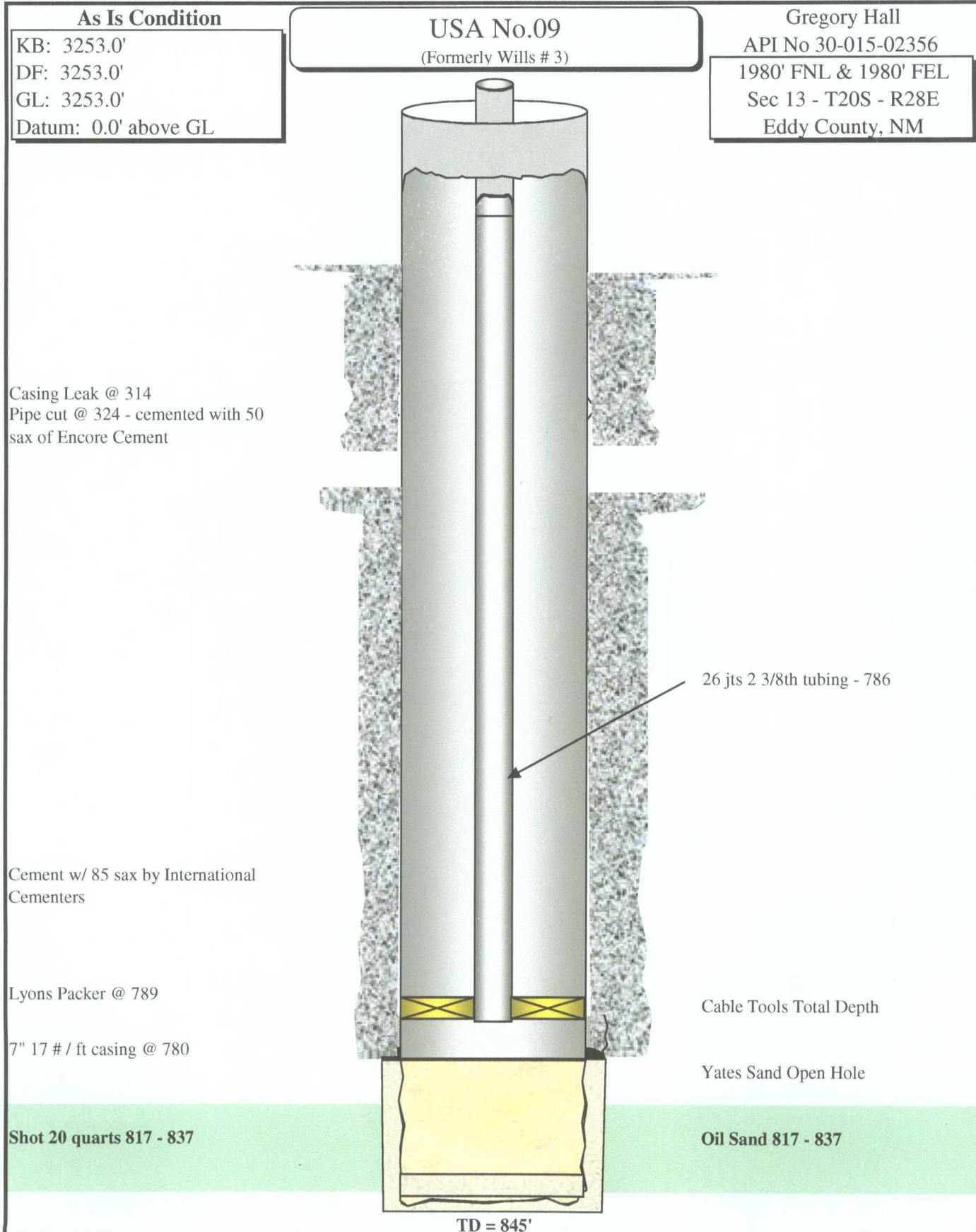
Apollo Energy, L.P.

Authorization to Inject

Revision Documentation

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

**“As Is” & “Proposed
Completion”
Well Bore Schematics**



Proposed Completion

KB: 3253.0'
DF: 3253.0'
GL: 3253.0'
Datum: 0.0' above GL

USA No.09

(Formerly Wills # 3)

Gregory Hall

API No 30-015-02356
1980' FNL & 1980' FEL
Sec 13 - T20S - R28E
Eddy County, NM

Casing Leak @ 314
Pipe cut @ 324 - cemented with 50 sax of
Encore Cement

4-16-2008: Cemented by Halliburton with
155 sacks Class C with 2% CaCl, circulate
8 sax to pit, full returns

Cement w/ 135 sax by International
Cementers

7" 17 # / ft casing @ 780
4 1/2" plastic coated AD-1 packer @ 788
feet - pulled 10K tension

Perforate 817' - 837', 4 spf

PBTD: 824 feet (GR Neutron Log)

Perforated 100 - 102 - 4 holes

Perforated 200 - 202 - 4 holes

25 jts of 2 3/8th 4.7 #/ft plastic coated
tubing with seating nipple

Packer fluid circulated and packer
integrity test to 500 psig for 30
minutes (Zia - 4/23/2008)

Cable Tools Total Depth

Yates Sand Open Hole

Oil Sand 817 - 837
Shot 20 quarts 817 - 837

4 1/2" 10.5 #/ft seamless casing @
831 feet

TD = 845'

OPERATOR'S COPY

Form 3160-5
(April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

2. Name of Operator **Apollo Energy, LP**

3a. Address
4823 Ihles Road, Lake Charles, La

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1980' FNL & 1980' FEL
 Section 13, Township 20S, Range 28E**

5. Lease Serial No.

LCNM 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 #9

9. API Well No.

30-015-02356

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

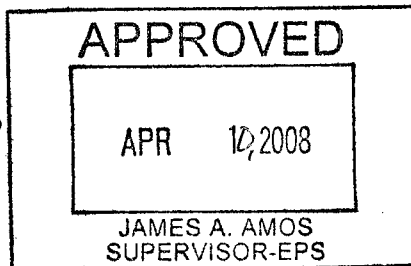
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 recompletable 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 recompletable 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.)

**Perforate 7" Casing 100-102" and 200-202" @ 4 shots per foot
 Run 4 1/2" Casing to 845', 10.5#/ft
 Cemented casing with Halliburton Premium Plus with 2% CaCl
 Run Gamma Ray and Cement Bond Log
 Perforate from 817' to 837' @ 4 shots per foot
 Run 2 3/8" plastic coated tubing to 800' with AD-1 Tension packer (plastic coated)
 Perform Mechanical Integrity Test**

** Call this office prior to cementing
 (2 hr.) 505-361-2822*

**SUBJECT TO LIKE
 APPROVAL BY STATE**



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

Thomas G. Wright

Title **Vice-President**

Signature

Thomas G. Wright

Date

4/8/08

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)

As Is Condition

KB: 3249.0'
DF: 3249.0'
GL: 3249.0'
Datum: 0.0' above GL

USA No. 40

(Formerly Turner #17)

Gregory Hall

API No 30-015-02389

1658' FSL & 2338' FEL

Sec 13 - T20S - R28E

Eddy County, NM

TOC @ none

TOC @ surface



8 5/8th @ 301
Cemented with 5 sax

Cemented w/ 75 sx

6-12-2007: cleaned to 842

7" set @ 728

Yates Sand

40 quarts nitro 824 - 844

Oil Sand 824 - 844

TD = 844'

Proposed Completion

KB: 3249.0'
DF: 3249.0'
GL: 3249.0'
Datum: 0.0' above GL

USA No. 40
(Formerly Turner #17)

Gregory Hall
API No 30-015-02389
1658' FSL & 2338' FEL
Sec 13 - T20S - R28E
Eddy County, NM

TOC @ none

TOC @ surface



As Is Condition

KB: 3252.0'

DF: 3252.0'

GL: 3252.0'

Datum: 0.0' above GL

USA No. 41

(Formerly Turner #18)

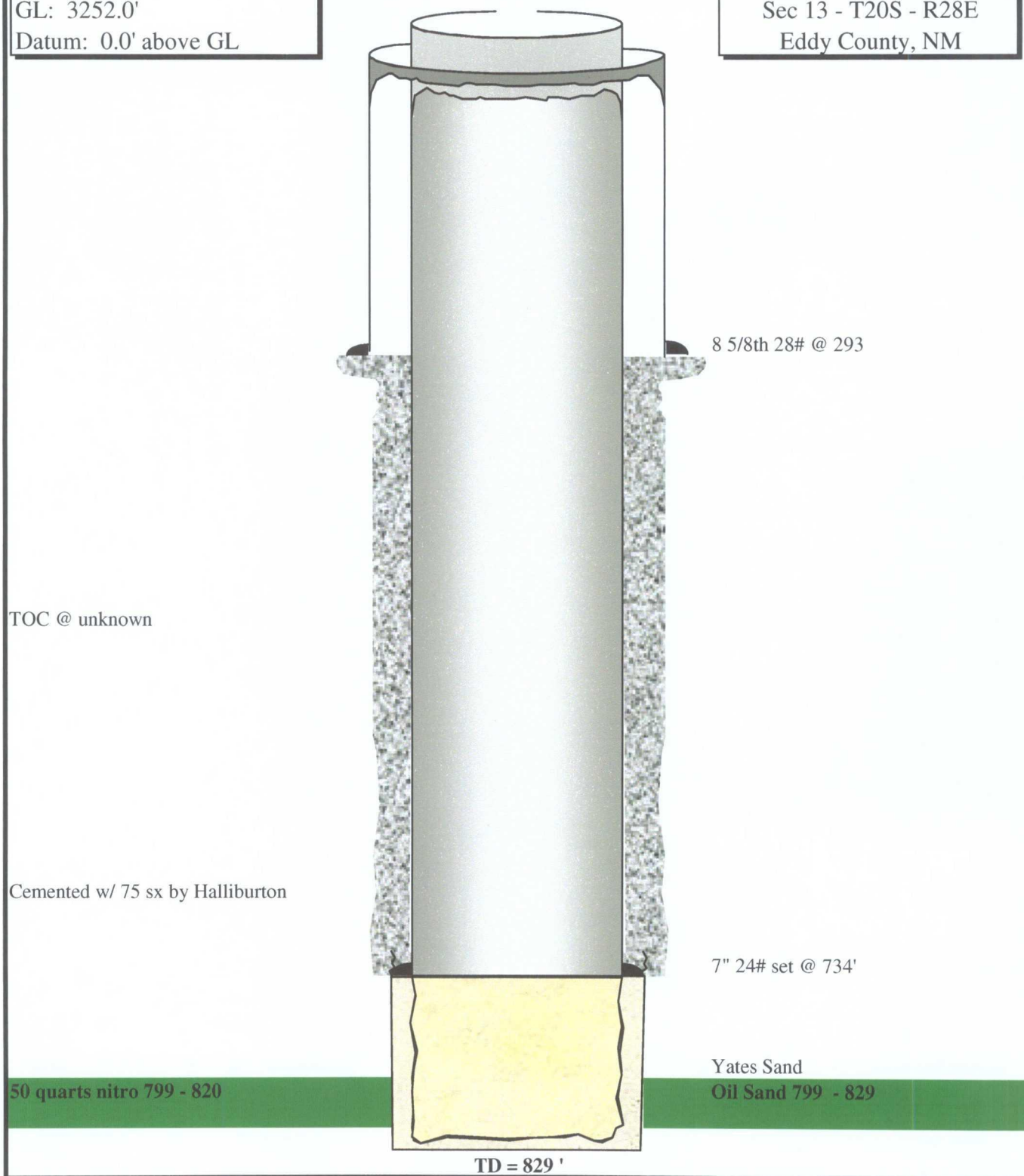
Gregory Hall

API No 30-015-02390

1656' FNL & 2339' FWL

Sec 13 - T20S - R28E

Eddy County, NM



Proposed Completion

KB: 3252.0'
DF: 3252.0'
GL: 3252.0'
Datum: 0.0' above GL

USA No.41

(Formerly Turner #18)

Gregory Hall

API No 30-015-02390
1656' FNL & 2339' FWL
Sec 13 - T20S - R28E
Eddy County, NM

TOC @ surface

6-13-2007: Cement 4 1/2" w/ 100 sax
50/50 Pozmix with 2% CaCl,
circulated 8 sx to pit - circulated hole
prior to cementing & pumped 10 bbl
fresh and 10 bbl mud flush

Original Cementing of 7" casing w/
100 sax by Halliburton

Yates Oil Sand 799 - 829

8 5/8th 28# @ 293

2 3/8 4.7 #/ft plastic coated tbg

7" 24# set @ 734'

4 1/2" AD-1 Plastic Coated Tension
Packer set @ 775

Perforate 795 - 818 - 4 spf

Perforate Lower Yates
847 - 857, 6 spf
Shoot 10' Gas Gun

Perforate Lower Yates
870 - 876, 6 spf
Shoot 6' Gas Gun

Deepened 829 to 887 - 6 1/8th bit
PBD: 878

TD = 884'

4 1/2" 11.6# casing @ 884

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

mailed 4/4/08

WELL API NO. 30-015-02390
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		7. Lease Name or Unit Agreement Name
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		8. Well Number Russell 45441
2. Name of Operator Apollo Energy, LP		9. OGRID Number
3. Address of Operator 4823 Ihles Road, Lake Charles, LA 70605		10. Pool name or Wildcat Russell Field
4. Well Location Unit Letter _____ : 1658 feet from the NL line and 2939 feet from the WL line Section 13 Township 20 S Range 28 E NMPM County Eddy		
11. Elevation (Show whether DR, RKB, RT, GR, etc.)		
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>		
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____		
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

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

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

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

Perforate from 795'-818 4 shots per foot, 93 holes with 3 1/8 casing gun.

Run 2 3/8 tubing with packer set @ 775.70'

Test Casing for Mechanical Integrity Test. Pressured up to 350 PSI for 30 minutes. Held OK. Chart attached.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

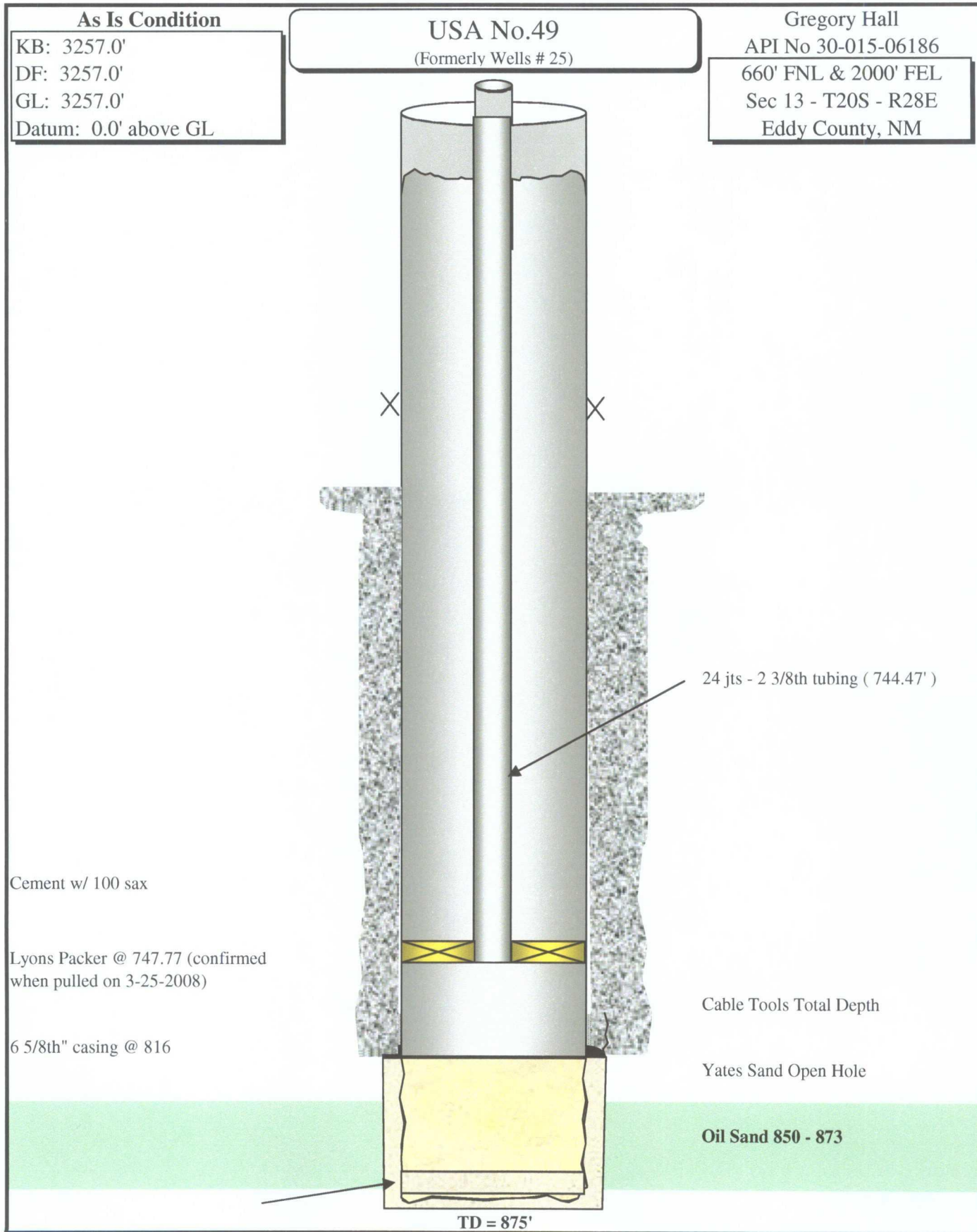
SIGNATURE **Shirley** TITLE **Vice President** DATE **4/4/08**

Type or print name
For State Use Only

E-mail address:

Telephone No.

APPROVED BY: _____ TITLE _____ DATE _____
Conditions of Approval (if any):



Proposed Completion

KB: 3257.0'
DF: 3257.0'
GL: 3257.0'
Datum: 0.0' above GL

USA No.49

(Formerly Wells # 25)

Gregory Hall

API No 30-015-06186

660' FNL & 2000' FEL

Sec 13 - T20S - R28E

Eddy County, NM

Run bond log and shoot squeeze holes to circulate cement.

no surface casing - circulate cement to surface

run 2 3/8" plastic coated tubing

Cement w/ 100 sax

Run 4 1/2" plastic coated AD-1
Tension packer

6 5/8" casing @ 816

Perforate Yates, 850' to 873'

run 4 1/2" 9.5 #/ft casing to TD

Cable Tools Total Depth

Yates Sand Open Hole

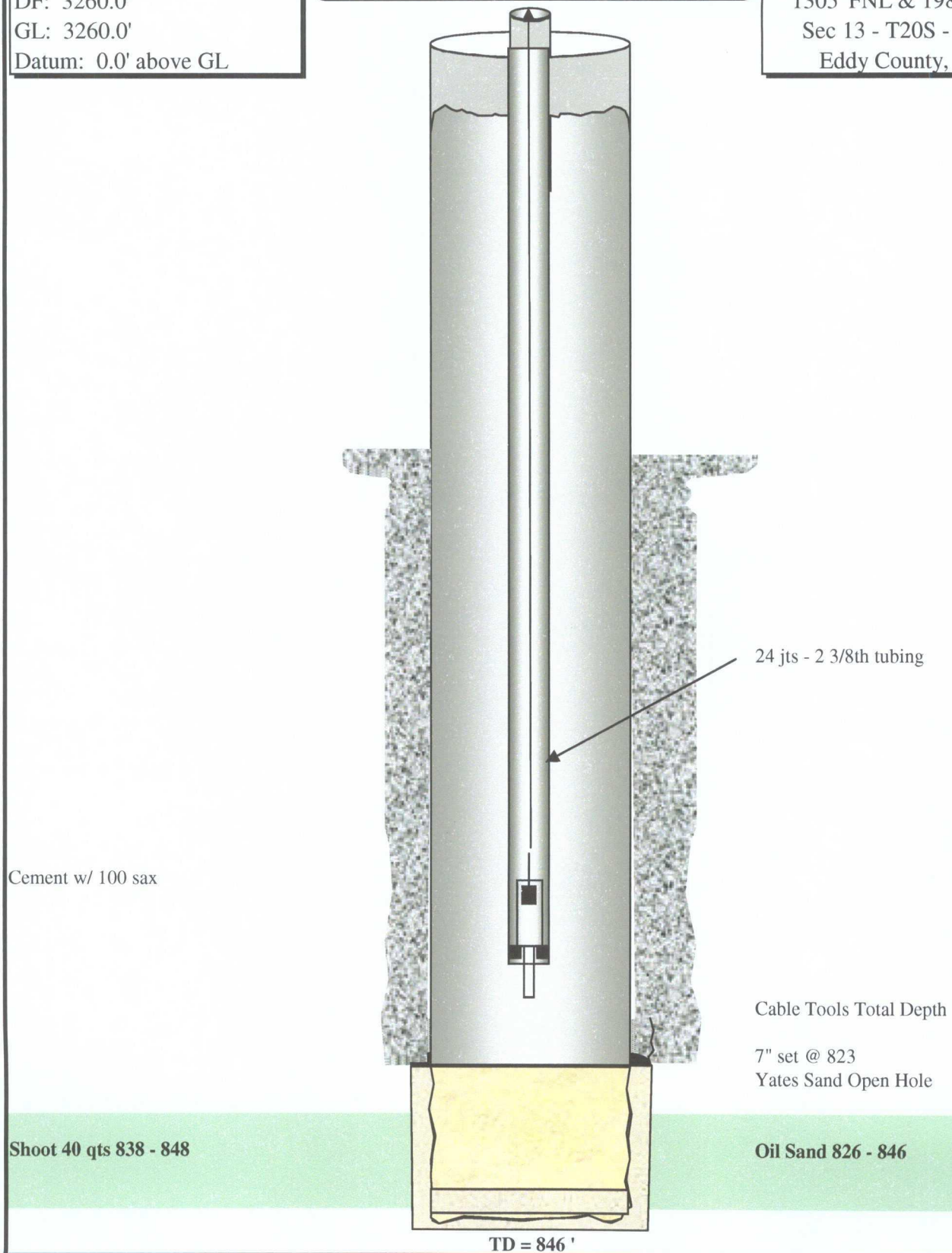
Oil Sand 850 - 873

TD = 875'

KB: 3260.0'
DF: 3260.0'
GL: 3260.0'
Datum: 0.0' above GL

(Formerly Wells # 26)

API No 30-015-06187
1305' FNL & 1980' FEL
Sec 13 - T20S - R28E
Eddy County, NM



Proposed Completion

KB: 3260.0'

DF: 3260.0'

GL: 3260.0'

Datum: 0.0' above GL

USA No.50

(Formerly Wells # 26)

Gregory Hall

API No 30-015-06187

1305' FNL & 1980' FEL

Sec 13 - T20S - R28E

Eddy County, NM

4-16-2008: Cemented 4 1/2" casing with Halliburton with 207 sax Class C cement with 2% CaCl - full returns to surface.

Squeeze perms

no surface casing - circulate cement to surface

2 3/8th tubing - set AD-1 Plastic Coated Tension Packer @ Approximately 800 feet.

Cement w/ 100 sax

Run 4 1/2" plastic coated AD-1 Tension packer

Perforate 826 - 846 - 4spf

PBTD: 846 (GR Neutron)

Cable Tools Total Depth
7" set @ 823
Yates Sand Open Hole

Oil Sand 826 - 840

4 1/2" 10.5 # Seamless @ 850

TD = 846 '

OPERATOR'S COPY

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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.

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

5. Lease Serial No. LCNM 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 # 50
9. API Well No. 30-015-06187
10. Field and Pool, or Exploratory Area Russell-Yates
11. County or Parish, State Eddy County, NM

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator Apollo Energy, LP	
3a. Address 4823 Ihles Road, Lake Charles, La	3b. Phone No. (include area code) 337-502-5227
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1305' FNL & 1980' FEL Section 13, Township 20S, Range 28E	

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

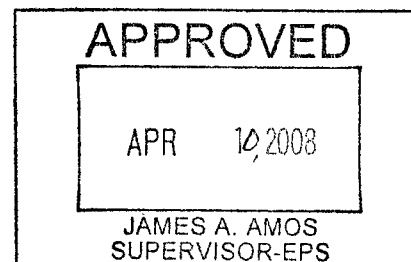
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 recompleate 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 recompleation 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.)

Perforate 7" Casing 100-102" and 200-202" @ 4 shots per foot
 Run 4 1/2" Casing to 845', 10.5#/ft - 565
 Cemented casing with Halliburton Premium Plus with 2% CaCl
 Run Gamma Ray and Cement Bond Log
 Perforate from 826' to 846' @ 4 shots per foot
 Run 2 3/8" plastic coated tubing to 800' with AD-1 Tension packer (plastic coated)
 Perform Mechanical Integrity Test

* Call this office prior to cementing
 (2 hr) 505-361-2822.

**SUBJECT TO LIKE
APPROVAL BY STATE**



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

Thomas G. Wright

Title **Vice-President**

Signature

Thomas G. Wright

Date

4/8/08

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.

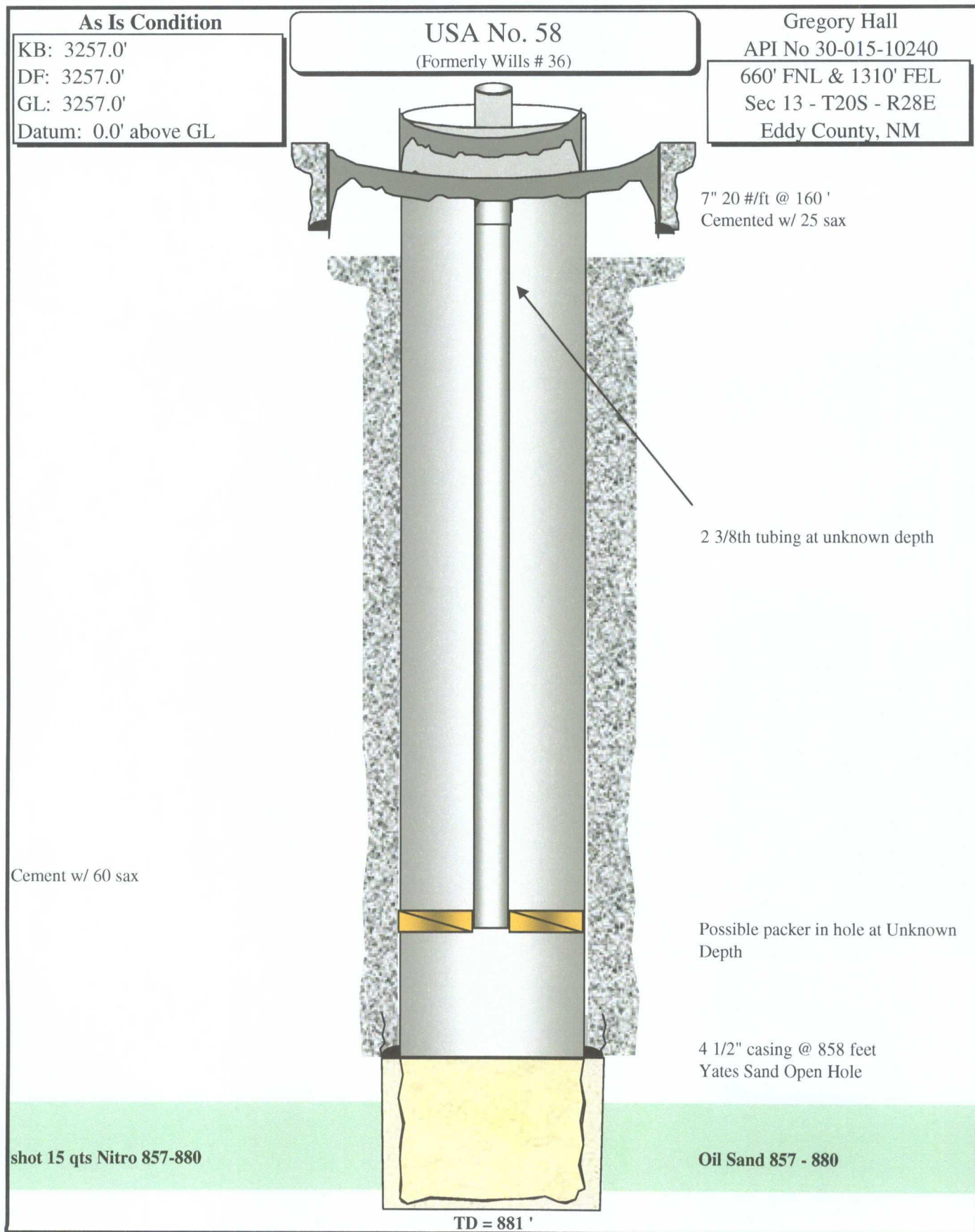
Title

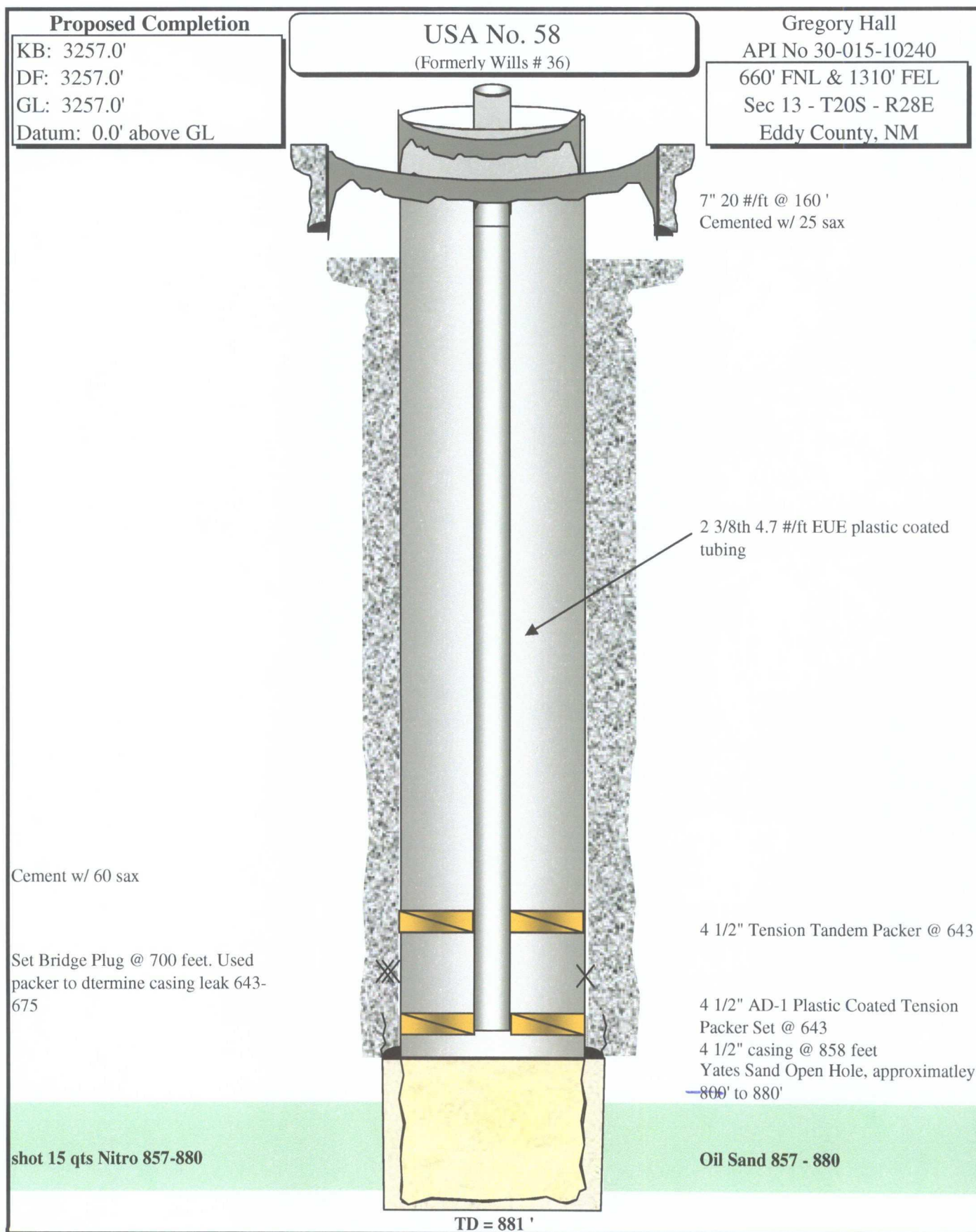
Date

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)





Apollo Energy, LP

KB: 3250.0'
DF: 3250.0'
GL: 3250.0'
Datum: 0.0' above GL

USA # 70
Russell Field

Greg Hall 7/18/08
API No 30-015-36103
2,310' FWL & 660' FNL
Sec 13 - T20S - R28E
Eddy County, NM

TOC @ Surface

TOC @ Surface
Cement circulated to surface

Packer Fluid in 2 3/8th X 5 1/2"

2 3/8th 4.7 #/ft EUE 8rd tubing
drifted and tested

Dump Cement on Top of Plug
PBTB = CIBP @ 900

Float Collar PBTB = 1160'

TD = 1200'

8 5/8th 24# J-55 Set @ 302

Surface pipe setting depth is an
estimate. Casing depth subject to NM
OCD requirements and subject to
change

5 1/2 Tension Packer @ 775
Approximate Depth

Yates Sand: Perforate interval
Based on sand depth, approximately
700' to 900'

Perforate & test 7-Rivers based on log
for test

5 1/2" 14# J-55 casing @ 1200
Long string is estimate only & depends
on drilling depth & condition

Apollo Energy, LP

KB: 3250.0'
DF: 3250.0'
GL: 3250.0'
Datum: 0.0' above GL

USA # 71
Russell Field

Greg Hall 7/18/08
API No 30-015-36104

1,980' FWL & 1,530' FNL
Sec 13 - T20S - R28E
Eddy County, NM

TOC @ Surface

TOC @ Surface
Cement circulated to surface

Packer Fluid in 2 3/8th X 5 1/2"

2 3/8th 4.7 #/ft EUE 8rd tubing
drifted and tested

Dump Cement on Top of Plug
PBTB = CIBP @ 900

Float Collar PBTB = 1160'

TD = 1200'

8 5/8th 24# J-55 Set @ 302

Surface pipe setting depth is an
estimate. Casing depth subject to NM
OCD requirements and subject to
change

5 1/2 Tension Packer @ 775
Approximate Depth

Yates Sand: Perforate interval
Based on sand depth, approximately
700' to 900'

Perforate & test 7-Rivers based on log
for test

5 1/2" 14# J-55 casing @ 1200
Long string is estimate only & depends
on drilling depth & condition

Apollo Energy, LP

KB: 3250.0'
DF: 3250.0'
GL: 3250.0'
Datum: 0.0' above GL

USA # 72
Russell Field

Greg Hall 7/18/08
API No 30-015-36105
1,960' FEL & 2,480' FSL
Sec 13 - T20S - R28E
Eddy County, NM

TOC @ Surface

TOC @ Surface
Cement circulated to surface

Packer Fluid in 2 3/8th X 5 1/2"

2 3/8th 4.7 #/ft EUE 8rd tubing
drifted and tested

Dump Cement on Top of Plug
PBTD = CIBP @ 900'

Float Collar PBTD = 1160'

TD = 1200'

8 5/8th 24# J-55 Set @ 302

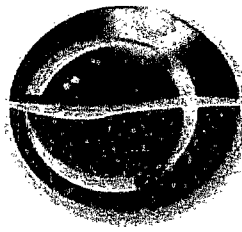
Surface pipe setting depth is an
estimate. Casing depth subject to NM
OCD requirements and subject to
change

5 1/2 Tension Packer @ 775
Approximate Depth

Yates Sand: Perforate interval
Based on sand depth, approximately
700' to 900'

Perforate & test 7-Rivers based on log
for test

5 1/2" 14# J-55 casing @ 1200
Long string is estimate only & depends
on drilling depth & condition



REAGAN SMITH
ENERGY SOLUTIONS, INC.

Apollo Energy, L.P.

Authorization to Inject

Revision Documentation

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

Perforation Depths

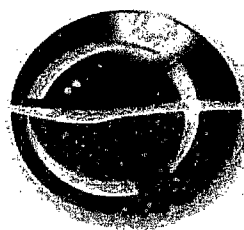
Apollo Energy, L.P.

*Authorization to Inject
Revision Documentation*

Perforation Depths

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

Well Name	Open Hole	Perforation	Depth
Russell USA No. 9		X	100'-102' & 200'-202' & 817'-837'
Russell USA No. 40		X	824' - 844'
Russell USA No. 41		X	795' - 818'
Russell USA No. 49		X	850' - 873'
Russell USA No. 50		X	100'-102' & 200'-202' & 826'-846'
Russell USA No. 58	X		800' - 880'
Russell USA No. 70		X	700' - 900'
Russell USA No. 71		X	700' - 900'
Russell USA No. 72		X	700' - 900'



REAGAN SMITH
ENERGY SOLUTIONS, INC.

Apollo Energy, L.P.

Authorization to Inject

Revision Documentation

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

Russell USA Field Map

Proof of Publication

Affidavit of Publication

NO. 20169

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT being duly

sworn, says: That he is the PUBLISHER of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication April 27, 2008

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

Subscribed and sworn to before me this

30th Day April 2008

Amanda K. Lamb
Notary Public, Eddy County, New Mexico

My Commission expires April 5, 2011

Copy of Publication:

NOTICE OF APPLICATION FOR AUTHORIZE FOR INJECTION WELLS:

OGD FORM C-108

Applicant:

Apollo Energy L.P.

6363 Woodway, Ste 1100

Houston, TX 77057

(337) 502-5227

Please Contact:

Reagan Smith Energy Solutions,
Inc.

1219 Classen Drive

Oklahoma City, OK 73103

(405) 286-9326

Intended purpose of well:

Injection wells

Name and location of wells:

Russell USA #9

1980' FNL and 1980' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #9 845'

Russell USA #40

1658' FSL and 2338' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #40 844'

Russell USA #41

1658' FNL and 2339' FWL

Sec 13 T20S R28E

Eddy County, NM

Depth - #41 829'

Russell USA #49

660' FNL and 2000' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #49 875'

Russell USA #50

1305' FNL and 1980' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #50 846'

Russell USA #58

660' FNL and 1310' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #58 881'

Formation name and Depth of

wells:

Formation - Yates

Top between 650' and 700' Base

is between 800' and 900'

NOTICE: 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.

Published in the Artesia Daily

Press, Artesia, N.M. April 27,

2008.

Legal 20169

Affidavit of Publication

NO.

20185

STATE OF NEW MEXICO

County of Eddy:

GARY D. SCOTT

being duly

sworn says: That he is the

PUBLISHER

of The

Artesia Daily Press, a daily newspaper of general

circulation, published in English at Artesia, said county

and county and state, and that the here to attached

Legal Notice

was published in a regular and entire issue of the said

Artesia Daily Press, a daily newspaper duly qualified

for that purpose within the meaning of Chapter 167 of

the 1937 Session Laws of the state of New Mexico for

1 Consecutive week/days on the same

day as follows:

First Publication

May 8, 2008

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

30th

Day

May

2008

Amanda K. Lamb

Notary Public, Eddy County, New Mexico

My Commission expires

April 5, 2011

Copy of Publication:

NOTICE OF APPLICATION FOR
AUTHORIZE FOR INJECTION
WELLS

OCD FORM C-108

Applicant:

Apollo Energy, L.P.

6363 Woodway, Ste 1100

Houston, TX 77057

(937) 502-5227

Please Contact:

Reagan Smith Energy Solutions,
Inc.

1218 Classen Drive

Oklahoma City, OK 73103

(405) 266-9326

Intended purpose of well:

Injection wells

Name and location of wells:

Russell USA #70

660' FNL and 2310' FWL

Sec 13 T20S R28E

Eddy County, NM

Depth - #70 1,200'

Russell USA #71

1530' FNL and 1980' FWL

Sec 13 T20S R28E

Eddy County, NM

Depth - #71 1,200'

Russell USA #72

2480' ESL and 1960' FEL

Sec 13 T20S R28E

Eddy County, NM

Depth - #72 1,200'

Formation name and Depth of
wells to be injected:

Formation - Yates

Top between 650' and 700' Base

is between 800' and 900'

NOTICE: 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.

Published in the Artesia Daily

Press, Artesia, N.M. May 8, 2008.

Legal 20185

Area of Review Map

Tabulation Data

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. Cirulated

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 (taperod)

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

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 cement, 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 1/2" 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: 710' **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

*Proposed
note
Drilled*

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

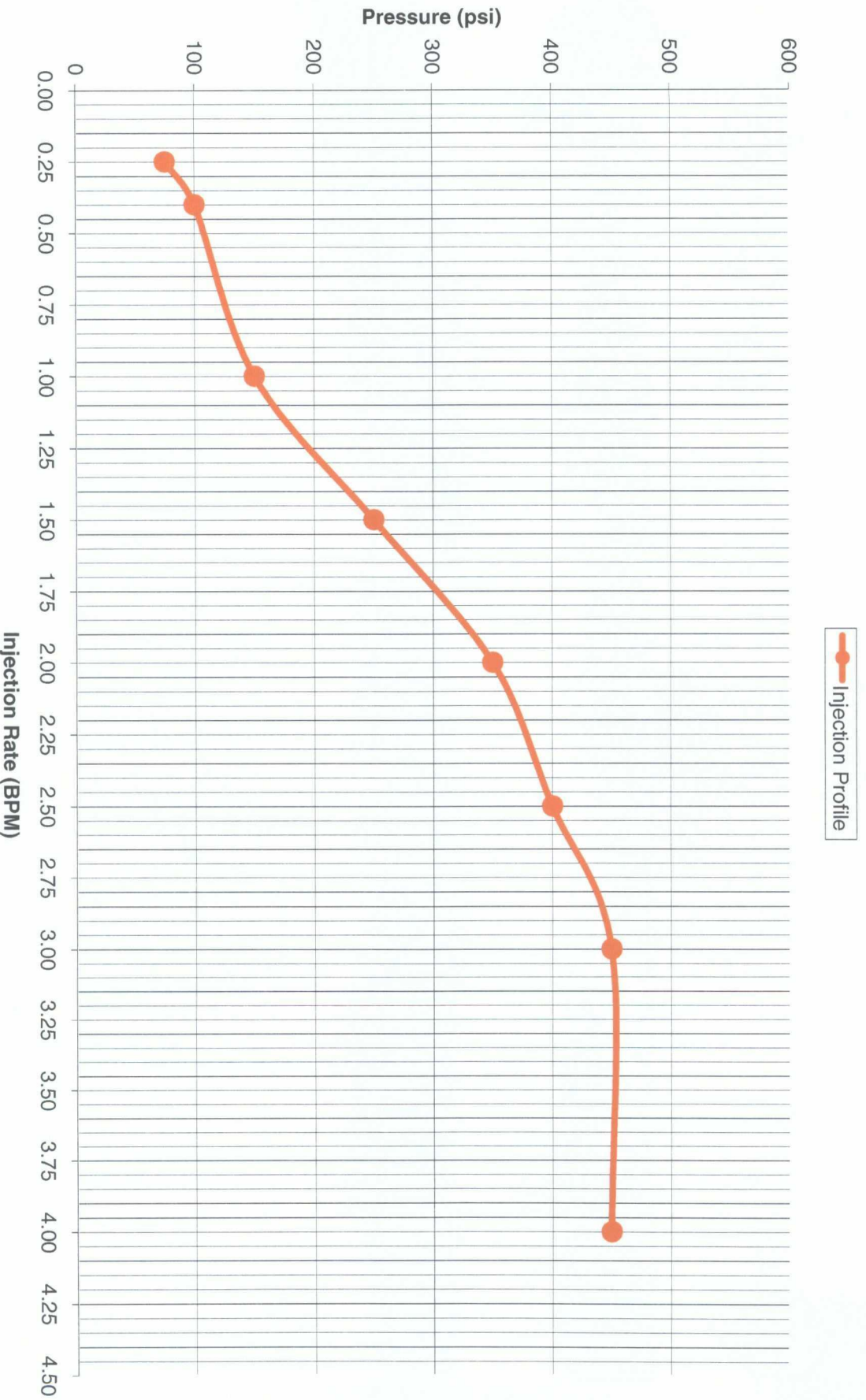
Date: 8/13/71 **Depth:** 800'

Exhibit B

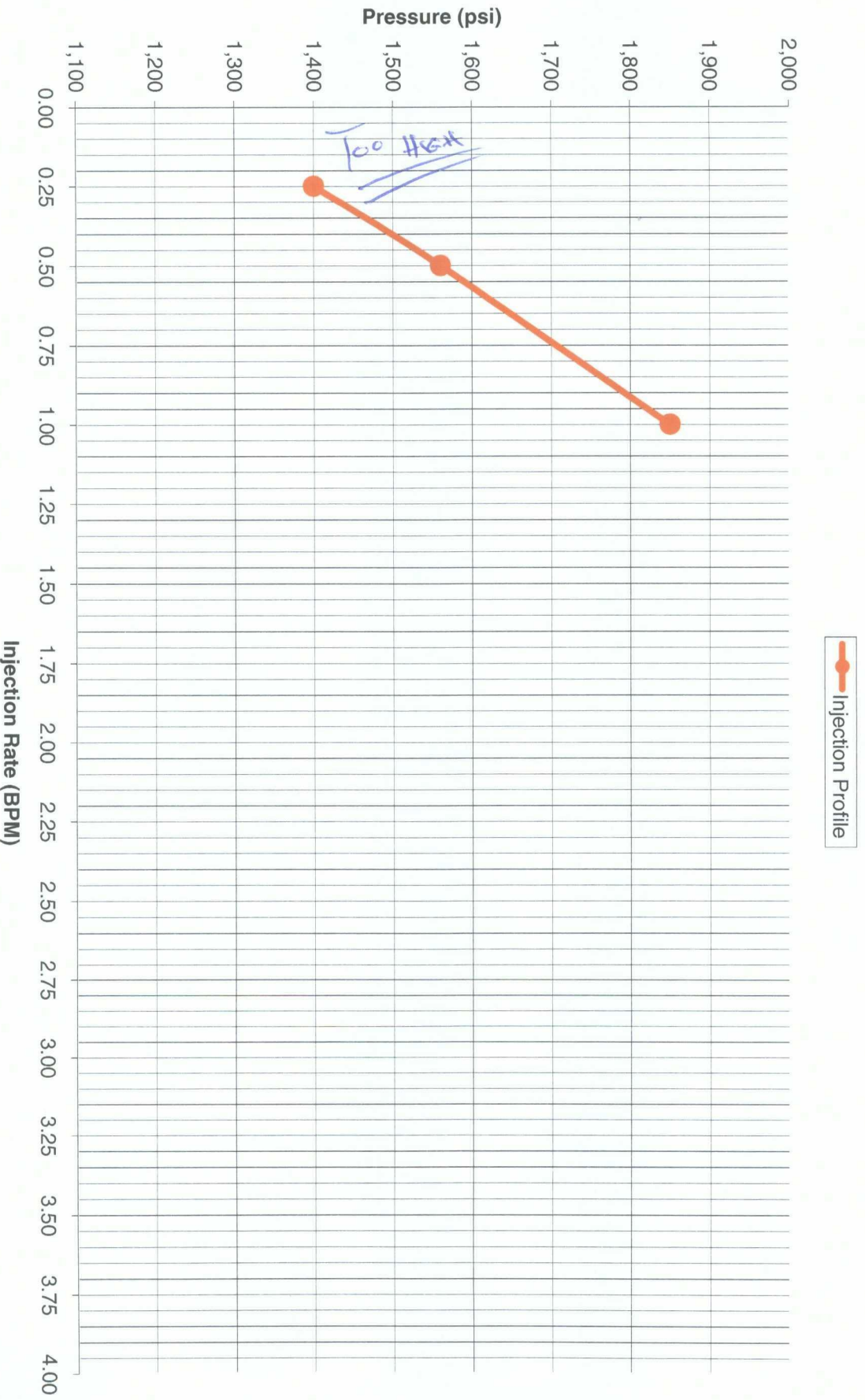
USA 9 - Step Rate Test

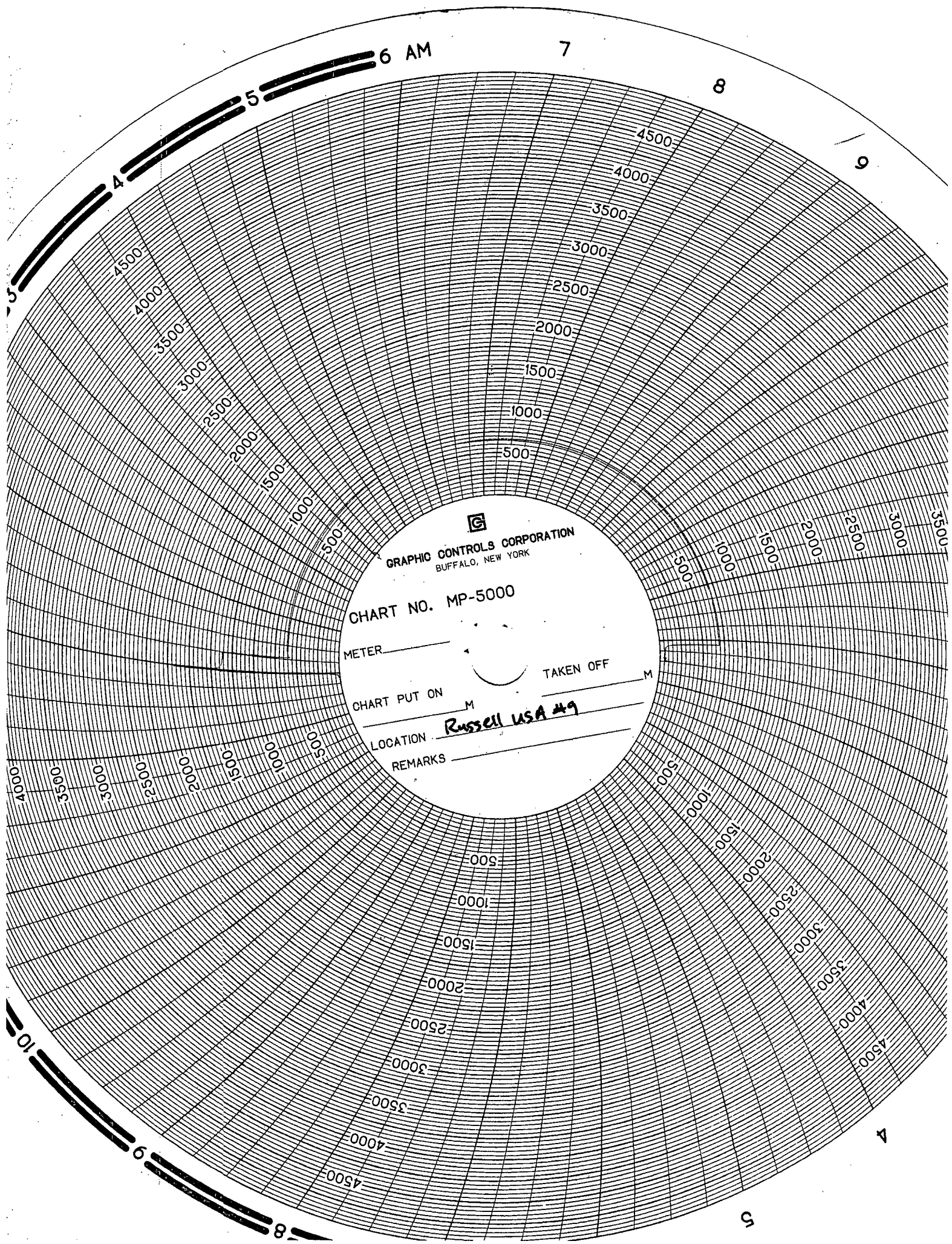


USA 41 - Step Rate Test



USA 50 - Step Rate Test






GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MP-5000

METER _____

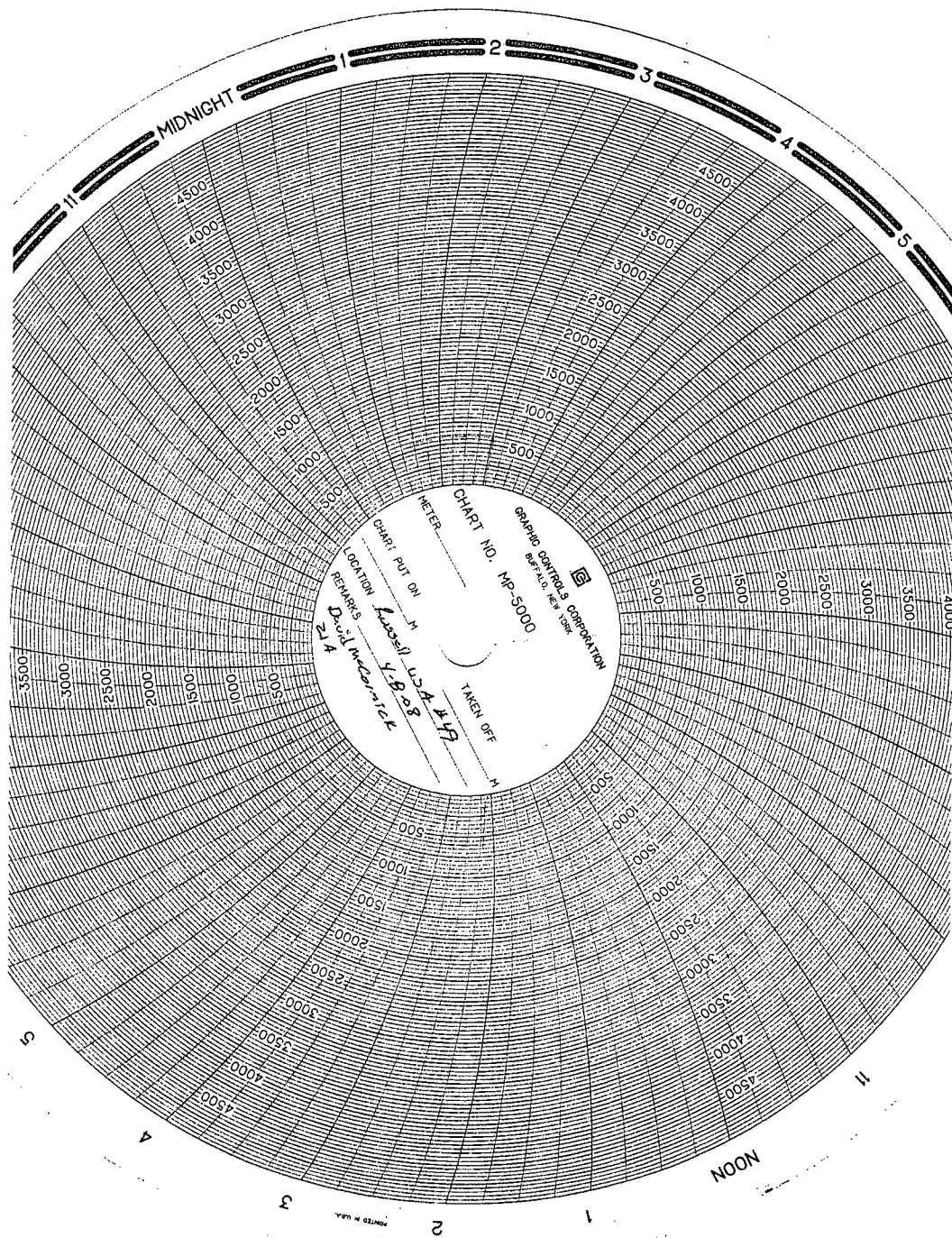
TAKEN OFF _____

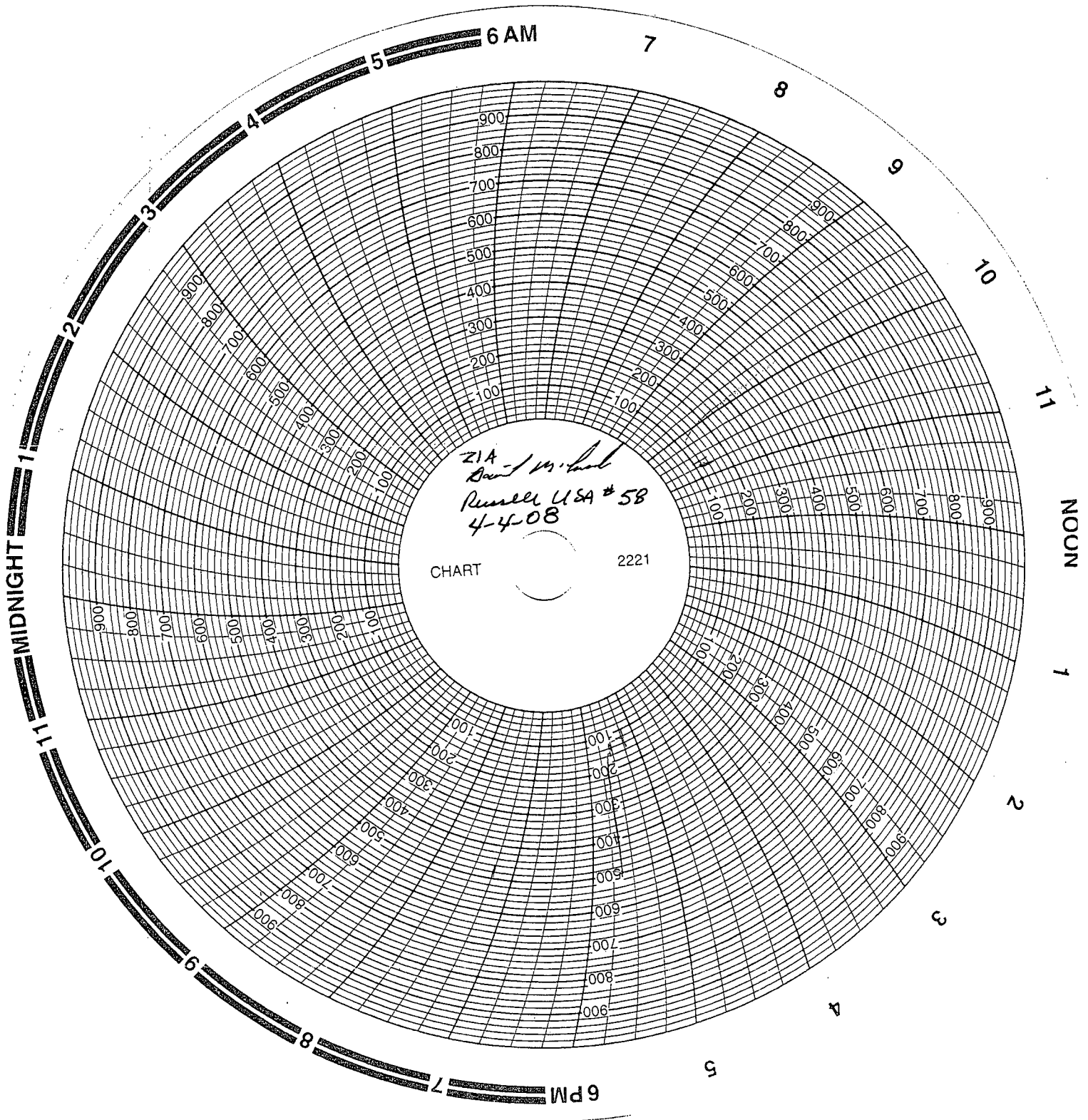
CHART PUT ON _____

LOCATION _____

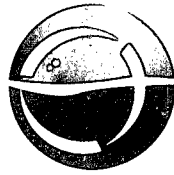
REMARKS _____

Russell USA #49





Proof of Mailing



REAGAN SMITH ENERGY SOLUTIONS, INC.

Perfecting the Efficient Development of Natural Resources

July 24, 2008

New Mexico Oil Conservation Division
1220 South St. Francis
Santa Fe, NM 87505
Attention: William V. Jones

RECEIVED
2008 JUL 28 PM 3 34

RE: Apollo Energy, LP.
Revision to Authorization to Inject
Russell USA Field
Russell USA Well # 9, 40, 41, 50, 58, 70, 71 72
Section 13-T20S-R28E, Eddy County, NM

Dear Mr. Jones:

Please find enclosed all documents relevant to addressing the deficiencies on the pending Application for Authorization to Inject to the Oil Conservation Division submitted on May 24, 2008. Included are the "As Is" and "Proposed Completion" wellbore schematics, a spreadsheet listing the depths of perforations or open hole intervals, an updated map with correct locations for the above referenced wells and documentation of notification to Marathon Oil Company about the pending Application for Authorization to Inject.

All electric logs and cement bond logs have been mailed to the Hobbs district office for scanning into the Oil Conservation Division imaging system.

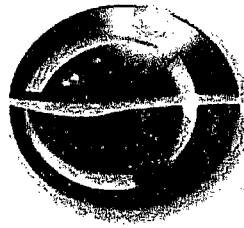
If you have any questions regarding the included documents please contact our office at your convenience.

Best Regards,

Spence Laird
For Apollo Energy, LP.

Enclosure
Cc: SL, Tommy Wright,

1219 Classen Drive • Oklahoma City, OK 73103
(405) 286-9326 • Toll Free: (866) 551-7913 • Fax: (405) 600-3400
www.rsenergysolutions.com



REAGAN SMITH
ENERGY SOLUTIONS, INC.

Authorization to Inject Revision Documentation

Operator:

Apollo Energy, L.P.

Well Names:

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

Field Information:

Russell USA Field

Field Location:

Section 13-20S-28E
Eddy County, NM

**Please address inquiries, questions, scheduling of meetings
and deficiency statements, if any, to Scott St. John at the
address shown below:**

**Reagan Smith Energy Solutions, Inc.
1219 Classen Drive
Oklahoma City, OK 73103**

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Monday, June 23, 2008 7:07 PM
To: Scott St. John; TOMMY WRIGHT
Cc: Ezeanyim, Richard, EMNRD; Guye, Gerry, EMNRD
Subject: WFX Applications from Apollo Energy, LP: Russell USA #9, 40, 41, 49, 50, 58, 70, 71, 72

Hello Scott or Tommy:

Pretty close to issuing this administrative order but had a few requests:

- 1) Let me know if Apollo is in compliance with Rule 40's requirements on inactive wells and financial assurance.
- 2) Please send "before" conversion ("as-is") wellbore diagrams on the wells which have already been drilled. The well files on several of these had intents to install 4-1/2 inch casing, but no sundry showing the work had been done - so when the well diagrams showed the casing in place, it is hard to tell what "is" and what "will be".
- 3) The wellbore diagrams for the 70, 71, and 72 had the old locations on them - at least I think they do. The location data on the diagrams should be corrected and all API numbers put on the diagrams.
- 4) Please send a list of all the subject injection wells with the upper and lower intervals (top and bottom perf or open hole interval) being requested for injection. All injection permits must be depth specific and formation name specific. If you don't know exactly, then say the depths are approximate.
- 5) Please send all available electric logs to the Hobbs district office for scanning into the OCD imaging system - including the DIL, etc logs recently run on the #41 well and any Cement Bond Logs on this well and the #49 well. None of the proposed injection wells have any logs on file with the Division - so if your files have any well logs, including CBL's or Temp Surveys, or Open Hole or Casedhole logs, send copies of them in. The new drills will likely have logs which must be supplied to the Division.
- 6) The Map sent with this application has incorrect locations for the 70, 71, and 72 wells. Please send another map with the wells spotted correctly and somehow highlight all the subject wells - maybe a color map?. Then re-draw your 1/2 mile AOR boundaries and see if any additional parties need to be notified - per Rule 701B(2).

The Step Rate Tests were not too useful since two of them started at very high pressures - possibly unstimulated or poor sand development in those wells. One of the tests still supports the 300 psi limit as set already in the R-12887 and that is what will be given with this order. After wells are stimulated and cleaned out, you can run more tests and submit them later for a pressure increase. Be sure and check with us before you run more tests. We may ask you to use a bottom hole sensor in the hole and end the test with a falloff and have this falloff analyzed, so the last portion of the test can be evaluated for fracturing behaviour.

As you testified at the hearing creating this waterflood: The three new drills are proposed to be drilled to 1200 feet - through the Seven Rivers - but the R-12887 allows injection only into the Yates from approximately 700 to 900 feet. As you know, to inject water into the Seven Rivers - Apollo must come back to hearing to deepen the waterflood. Rule 303 is the pertinent rule governing commingling Yates and Seven Rivers oil production in the production wells. Downhole commingle permits would likely be required to produce both Yates and Seven Rivers together. There is a Russell-Lower Yates Gas Pool directly to the SW of your waterflood. The pertinent pool is the Russell-Yates Pool and it was created in Order 850 in January of 1950. The Seven Rivers would likely be considered as "Wildcat" in this area.

Regards,

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



Apollo Energy, L.P.

Authorization to Inject

Revision Documentation

Russell USA No. 9, 40, 41, 49, 50, 58, 70, 71, 72

Proof of Mailing

9900 9962 0000 0510 9002

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 For delivery information visit our website at www.usps.com
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Postage	\$ 2.53	Postmark Here
Certified Fee	2.65	
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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.18	

Sent To James Bruce, Attorney
 Street, Apt. No., or PO Box No. PO Box 1056
 City, State, ZIP+4 Santa Fe, NM 87504
 PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)		
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Sent To OXY USA WTP Limited Partnership
 Street, Apt. No., or PO Box No. PO Box 4294
 City, State, ZIP+4 Houston, TX 77216
 PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)		
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Sent To Thunderbolt Petroleum LLC
 Street, Apt. No., or PO Box No. PO Box 10523
 City, State, ZIP+4 Midland, TX 79702
 PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.18	

Sent To STATE of NM, Oil Conservation Division
 Street, Apt. No., or PO Box No. 1301 W. Grand Ave
 City, State, ZIP+4 Artesia, NM 88210
 PS Form 3800, August 2006 See Reverse for Instructions

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Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.18	

Sent To US Dept. of Interior, BLM
 Street, Apt. No., or PO Box No. 620 E. Green Street
 City, State, ZIP+4 Carlsbad, NM 88220
 PS Form 3800, August 2006 See Reverse for Instructions

9900 9962 0000 0510 9002

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Certified Fee	2.65	
Return Receipt Fee (Endorsement Required)		
Restricted Delivery Fee (Endorsement Required)		
Total Postage & Fees	\$ 5.18	

Sent To Nordstand Energy Inc.
 Street, Apt. No., or PO Box No. 3229 D'Amico St., Ste 200
 City, State, ZIP+4 Houston, TX 77019
 PS Form 3800, August 2006 See Reverse for Instructions

7008 0150 0003 2966 0157

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OFFICIAL USE	
Postage	\$ 4.80
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 7.45
Postmark Here	
Sent To <u>Marathon Oil Company</u>	
Street, Apt. No., or PO Box No. <u>P.O. Box 2490</u>	
City, State, ZIP+4 <u>Hobbs, NM 88240</u>	
PS Form 3800, August 2006 See Reverse for Instructions	



July 23, 2008

New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240
Attention: Cindy Herrera

RE: Apollo Energy, LP.
Authorization to Inject
Russell USA Field
Russell USA Well # 9, 41, 50
Section 13-T20S-R28E, Eddy County, NM

Dear Ms. Herrera:

Please find enclosed electric logs and cement bond logs for the above referenced wells to be scanned into the Oil Conservation Division imaging system.

If you have any questions regarding the included documents please contact our office at your convenience.

Best Regards,

A handwritten signature in black ink, appearing to read "Spence Laird".

Spence Laird
For Apollo Energy, LP.

Enclosure
Cc: SL, Tommy Wright

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, June 23, 2008 6:07 PM
To: 'Scott St. John'; 'TOMMY WRIGHT'
Cc: Ezeanyim, Richard, EMNRD; Guye, Gerry, EMNRD
Subject: WFX Applications from Apollo Energy, LP: Russell USA #9, 40, 41, 49, 50, 58, 70, 71, 72

Hello Scott or Tommy:

Pretty close to issuing this administrative order but had a few requests:

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Regards,

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

6/23/2008

Jones, William V., EMNRD

From: Scott St. John [sstjohn@rsenergysolutions.com]
Sent: Wednesday, June 25, 2008 12:53 PM
To: Jones, William V., EMNRD; TOMMY WRIGHT
Cc: Ezeanyim, Richard, EMNRD; Guye, Gerry, EMNRD
Subject: RE: WFX Applications from Apollo Energy, LP: Russell USA #9, 40, 41, 49, 50, 58, 70, 71, 72

Mr. Jones,

We appreciate your time in reviewing the subject application. I have reviewed your requests below and have a follow-up reply. I can verify item # 1 in that contacted Dorothy Phillips in April to verify that Apollo is in compliance with the financial assurance requirements. Furthermore, Apollo has recently been issued an ACOI, Order No. 194 to remain in compliance with Rule 40.

We are completing items #2, 3, 4 & 6. A new color map will be provided with well locations and information.

I am working with Tommy to clear up issues with the well logs, step rate tests, and depth of #70, 71, and 72.

Thank you again for your time and attention to this matter.

Scott

Scott St. John, J.D.
Vice-President of Regulatory Compliance



1219 Classen Drive
 Oklahoma City, OK 73103
 Tel: (405)-286-9326
 Fax: (405)-600-3400
www.rsenergysolutions.com

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Monday, June 23, 2008 7:07 PM
To: Scott St. John; TOMMY WRIGHT
Cc: Ezeanyim, Richard, EMNRD; Guye, Gerry, EMNRD
Subject: WFX Applications from Apollo Energy, LP: Russell USA #9, 40, 41, 49, 50, 58, 70, 71, 72

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6/25/2008

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

APOLLO ENERGY
OGRIID=248192
Yates SAND
700' - 900'

Authorized Injection Wells

(Russell Yates Pool) COPY

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

These are approved at
other locations 8/2/08

RUSSELL Yates WF Protect