5/01/2015 DATE IN	SUSPENSE	PRG ENGINEER	5/01/2015 LOGGED IN	SWD TYPE	PMAM1512151024 APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

-1590

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]

-SWD
-Linn Operating, Inc
269324

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

RECEIVED OCD
2015 MAY -1 P 1:48

well
-Hale Stateet 4
30-025-39785
POA
-SWD; San Andres
96121

[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.

Laura Moreno	Laura M. Moreno	Regulatory Compliance Advisor	4/20/15
Print or Type Name	Signature	Title	Date

lmoreno@linnenergy.com
e-mail Address

LINN Energy

LINN OPERATING, INC
A Wholly owned subsidiary of LINN Energy, LLC
JP Morgan Chase Tower
600 Travis, Suite 5100
Houston, TX 77002
Phone: 281-840-4000
Fax: 281-840-4001
www.linnenergy.com

April 30, 2015

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

Reference: Application for Authorization to Inject
Hale State #004 SWD Conversion
Lea County, NM

Dear Mr. Goetze:

Linn Operating, Inc. respectfully requests administrative approval to convert the Hale State #004 Oil Well to a Salt Water Disposal Well. This well is located in Section 31, Township 17 S, Range 31 E in Lea County New Mexico.

Please find attached C-108 Form along with all the supporting documentation for your review. Should you require any additional information or have any questions, please contact me at 713-904-6657 or lmoreno@linnenergy.com. Thank you for your consideration.

Sincerely,

Laura A. Moreno

Laura A. Moreno
Regulatory Compliance Advisor

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ____X____Disposal _____Storage
Application qualifies for administrative approval? ____X_____Yes _____No

II. OPERATOR: LINN Operating, Inc.

ADDRESS: 600 Travis, Suite 5100 Houston, TX 77002

CONTACT PARTY: Laura Moreno _____ PHONE: 713-904-6957

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes ___X_____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

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

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

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Laura A. Moreno _____ TITLE: Regulatory Compliance Advisor

SIGNATURE: Laura A Moreno _____ DATE: 4/20/15

E-MAIL ADDRESS: lmoreno@linnenergy.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: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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.

LINN Energy

LINN OPERATING, INC
A Wholly owned subsidiary of LINN Energy, LLC
JP Morgan Chase Tower
600 Travis, Suite 5100
Houston, TX 77002
Phone: 281-840-4000
Fax: 281-840-4001
www.linnenergy.com

Operator: Linn Operating, Inc.
Lease: Hale State
Location: T: 17S R: 34E Sec. 31 Unit Letter I

Disposal Well Summary:

					Surface	Bottomhole		
WELL NAME	WELL No.	API NUMBER	DEVIATED (Y/N)	Location	SURF_LAT	SURF_LONG	BH_LAT	BH_LONG
HALE STATE	#004	3002539785	N	T: 17S R: 34E Sec. 31 Unit Letter I	32.7976	-103.6048	32.7976	-103.6048

Proposal Description:

LINN operates three adjacent leases (Phillips Lea, Hale State, and State 36) from which produced water will be disposed of in the proposed Hale State No. 004. Production in this area began in 1949 and cumulative volumes to date are 1.181 million barrels of oil and 2.481 million cubic feet of gas. There are currently 17 active producers all on primary production.

LINN is proposing to convert the Hale State No. 004 oil producer to a salt water disposal well in the San Andres formation. The prior salt water disposal well, Phillips Lea #4 (30-025-02156), which had been in service since 1970, developed collapsed casing and was subsequently plugged and abandoned as of the 23rd day of April, 2014.

III. Well Data:

Linn proposes to convert one (1) well to disposal. Well history has been reviewed for the Hale State No. 004 and pre-screening indicates the well has competent mechanical integrity.

Well data and a wellbore schematic for the proposed disposal well is included in **Exhibits 1 and 2**.

IV. Expansion of an Existing Project:

The proposed disposal well conversion does not fall under the expansion of an existing project.

V. Maps:

Maps are provided in **Exhibits 3 and 4** to identify those wells and leases within two miles and one half mile of the proposed disposal well.

VI. Tabulation of Well Data:

Exhibit 5 includes well data for 16 wells that fall within the half-mile radius and penetrate the San Andres formation. The table includes 9 active wells and 7 plugged and abandoned wells.

Appendix A provides diagrams illustrating the plugged and abandoned wells. Diagrams are sequenced by API number. Plugging procedures sourced from OCD online are included for each well.

- Plugging records found for seven (7) wells indicated that each well was plugged and abandoned properly.

WELL NAME	WELL No.	API NUMBER	Location	SURF_LAT	SURF_LONG
LEA	#003	3002502158	T: 17S R: 34E Sec. 31 Unit Letter B	32.7966	-103.5973
STATE F TG	#005	3002501426	T: 17S R: 33E Sec. 36 Unit Letter A	32.7956	-103.6097
LEA	#020	3002502150	T: 17S R: 34E Sec. 30 Unit Letter O	32.8002	-103.5974
LEA	#032	3002528439	T: 17S R: 34E Sec. 30 Unit Letter N	32.8002	-103.6011
LEAMEX	#043	3002530096	T: 17S R: 33E Sec. 25 Unit Letter P	32.8002	-103.6097
LEA	#033	3002529111	T: 17S R: 34E Sec. 30 Unit Letter L	32.8038	-103.6054
UNCAS 31 STATE	#001	3002535218	T: 17S R: 34E Sec. 31 Unit Letter F	32.7929	-103.6021

- **Exhibit 6** shows the plugged wells within the area of review.

VII. Disposal Operations Description:

1. *Proposed average and maximum daily rate and volume of fluids to be disposed;*

   Linn Energy proposes the following average and maximum daily rate of water disposal:E
   - Proposed average injection rate: 500 BWPD
   - Proposed maximum injection rate: 1000 BWPD

2. *Whether the system is open or closed;*

   The disposal facility is a closed system.

3. *Proposed average and maximum injection pressure;*

   Based on San Andres frac reports from three Linn well drilled in 2014, the proposed injection gradient at surface is 0.39 psi/ft. **Exhibit 7** summarizes the frac results and basis for injection gradient.
   - Proposed average injection pressure: 1830 PSI
   - Proposed maximum injection pressure: 2400 PSI } 0.2 only

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

   Disposal fluid is made up of produced water from the Hale State, Phillips Lea, and State 36 Leases.

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.).*

   The injected fluid will be disposed in an interval of the San Andres formation that is not productive. A water analysis of formation water from the proposed disposal well is provided in **Exhibit 8.**

VIII. Geologic Data:
- Formation Name: San Andres
- Lithology: Dolomite
- Thickness: 300' gross
- Average Depth: 4600' (tope of San Andres)
- Drinking Water Sources: The Ogallala is present at an average depth of ~140'. There are no fresh water wells within one mile of the proposed disposal well.
- **Exhibits 9 through 13** provide supplemental geologic information.

IX. Stimulation Program:

Hale State No. 004 will require downhole intervention to convert the well to disposal. Perforations offsetting productive intervals will be cement squeezed. The remaining perforations offsetting non-productive intervals will be acidized with 15% NEFE HCl.

X. Logging Data:

Logs have been previously submitted with the initial well completion reports. No tests have been conducted.

XI. Fresh Water Well Data:

Linn Energy investigated the area surrounding the proposed disposal well and determined there are no fresh water wells within one mile. **Appendix B** includes Point of Diversion and Water Depth Reports within one mile of the Hale State No 004.

XII. Affirmative Statement for Disposal Wells:

Geologic staff stated that: "Regarding regulation XII, there is no evidence of open faults between the San Andres disposal zone and known underground sources of drinking water."

Noted in discussion with J. Maier, Linn Eng. at Meeting with Linn on 10/13/15 NMOCD Santa Fe (Qualified Person)

XIII. Proof of Notice:

Linn Energy has provided copies of the Application to all surface owners and leasehold operators within one-half mile radius of each proposed water injection well. Certified mail receipts can be found in **Exhibit 14.**

As this Application is subject to administrative approval, Linn Energy has published notice in the form of a legal advertisement in Lea County. The notarized newspaper publication can be found in **Exhibit 15**.

Notification List:

Legal	Surface Owner	Offset Operator
Section 30, T17S, R34E	State of New Mexico 310 ~~Old Santa Fe Trail~~ Santa Fe, NM 87501	ConocoPhillips Company Attn: Patsy L Clugston 600 N. Dairy Ashford Rd Houston, TX 77079 505-326-9518 clugspl@conocophillips.com
Section 31, T17S, R34E		None NMSLO / no leaseholder
Section 25, T17S, R33E		None NMSLO / no leaseholder
Section 36, T17S, R33E		ConocoPhillips Company Attn: Patsy L Clugston 600 N. Dairy Ashford Rd Houston, TX 77079 505-326-9518 clugspl@conocophillips.com

XIV. Certification:

Included on form C-108

EXHIBITS 1 & 2: WELL DATA SHEET AND WELLBORE SCHEMATICS

EXHIBIT 1:

Side 1

INJECTION WELL DATA SHEET

OPERATOR: LINN OPERATING, INC.

WELL NAME & NUMBER: HALE STATE #004 API: 30-025-39785

WELL LOCATION: 330 FNL , 990 FWL	I	31	17S	34E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12.25" Casing Size: 8.625"

Cemented with: 393 sx. *or* _____ ft³

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 975 sx. *or* _____ ft³

Top of Cement: 1222' Method Determined: Calculated

Total Depth: 4938' TVD

Injection Interval

4820' (Perf) feet to 4902' (Perf)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2-3/8" Lining Material: Internal Plastic Coated

Type of Packer: 2.875" x 2.75' (Arrowset-1X (NP) Pkr w/ On/Off Tool)

Packer Setting Depth: 4770'

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

Additional Data

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

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

2. Name of the Injection Formation: SAN ANDRES

3. Name of Field or Pool (if applicable): VACUUM;GRAYBURG-SAN ANDRES

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. YES, 4,370' - 4,754'

   PROPOSED CEMENT SQUEEZE JOB.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: YATES, SEVEN RIVERS, QUEEN, GRAYBURG, SAN ANDRES

39785_PROPOSED_HALE STATE No.4_WBD:

LINN Energy

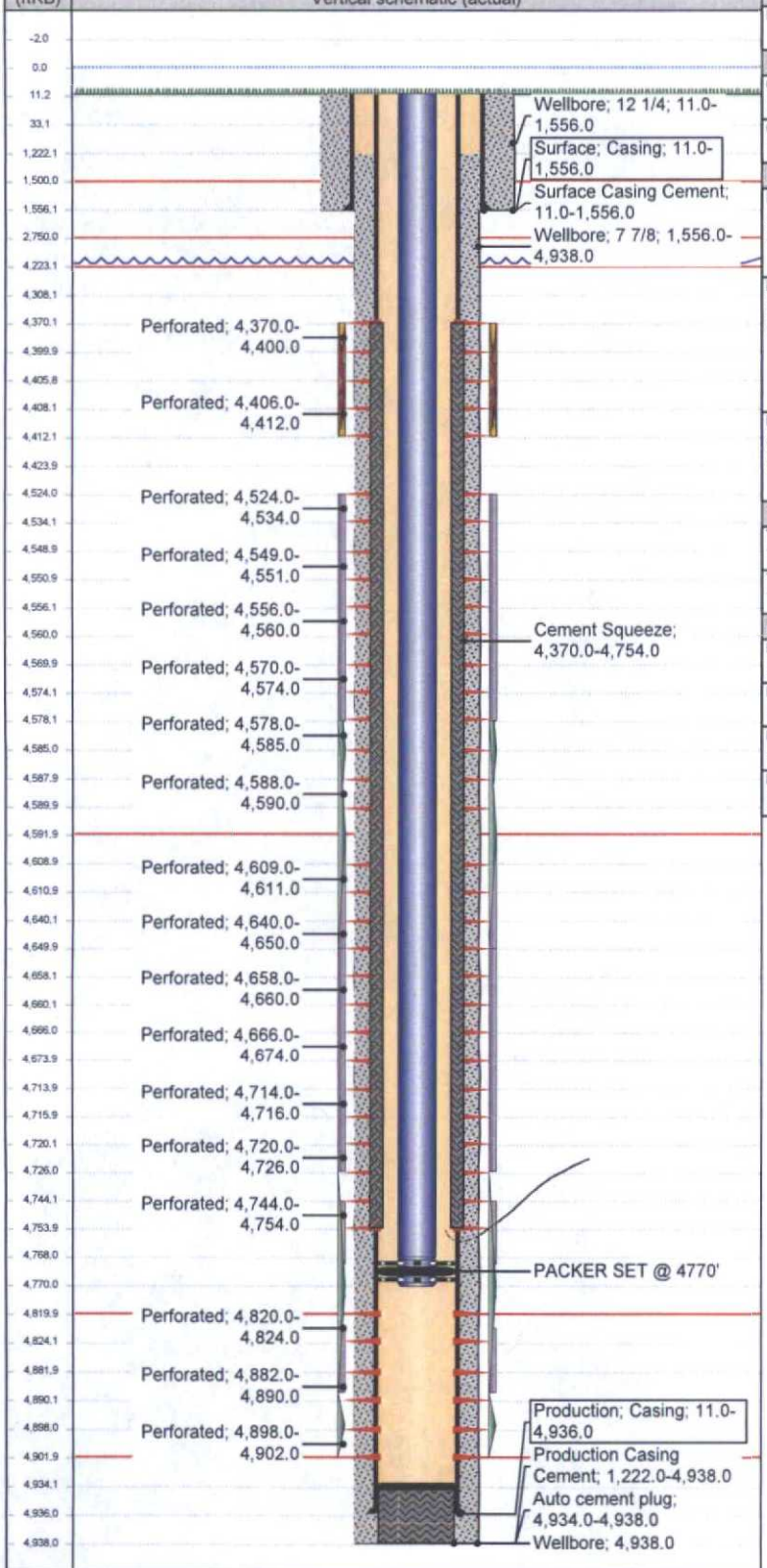
NM Regulatory Schematic

Well Name: HALE STATE 4

API/UWI	Field Name	County	State/Prov	Section	Township	Range	Survey	Block
3002539785	PBNM - PB - CAPROCK MALJAMAR	Lea	NM	31	017-S	034-E		

Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated?
4,096.00	4,107.00	11.00	11/20/2008	12/1/2008	11/30/2008	32° 47' 50.82" N	103° 36' 15.624" W	Yes

Original Hole, 4/2/2015 7:20:53 AM



Original Hole Data

Wellbores

North-South Distance (ft)	NS Flag	East-West Distance (ft)	EW Flag
330.0	FNL	900.0	FWL

Casing Strings

Csg Des	Set Dept...	OD Nom...	ID Nom...	Wt/Len (l...	String Grade	Run Date
Surface	1,556.0	8 5/8	8.097	24.00	J-55	11/20/2008
Production	4,936.0	5 1/2	4.95	15.50	J-55	11/30/2008

Cement Stages

Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment
Surface Casing Cement	11.0	1,556.0	Circulated	Spot 393 sxs class C 2% CaCL2 cmt Circ to surface
Production Casing Cement	1,222.0 See CBL	4,938.0	Calculated	Spot 975 sxs class C 2% CaCL2 cmt TOC @ 1222' (calc) Assume 1.32 cu ft/sk and 50% fillup
Cement Squeeze	4,370.0	4,754.0	Calculated	PROPOSED: Sqz cmt into perfs @ 4370' - 4754'

Tubing Strings

Tubing Description	Set Depth...	Run Date	Pull Date
Tubing	4,447.0	7/21/2009	3/30/2015
Tubing - Injection	4,770.0	3/30/2015	

Formations

Formation	Final Top...	Final Btm...	Comment
SALT	1,500.0	2,750.0	
GRAYBURG	4,223.0	4,592.0	
SAN ANDRES	4,592.0		
SAN ANDRES	4,820.0	4,902.0	PROPOSED: DISPOSAL INTERVAL

LINN Energy

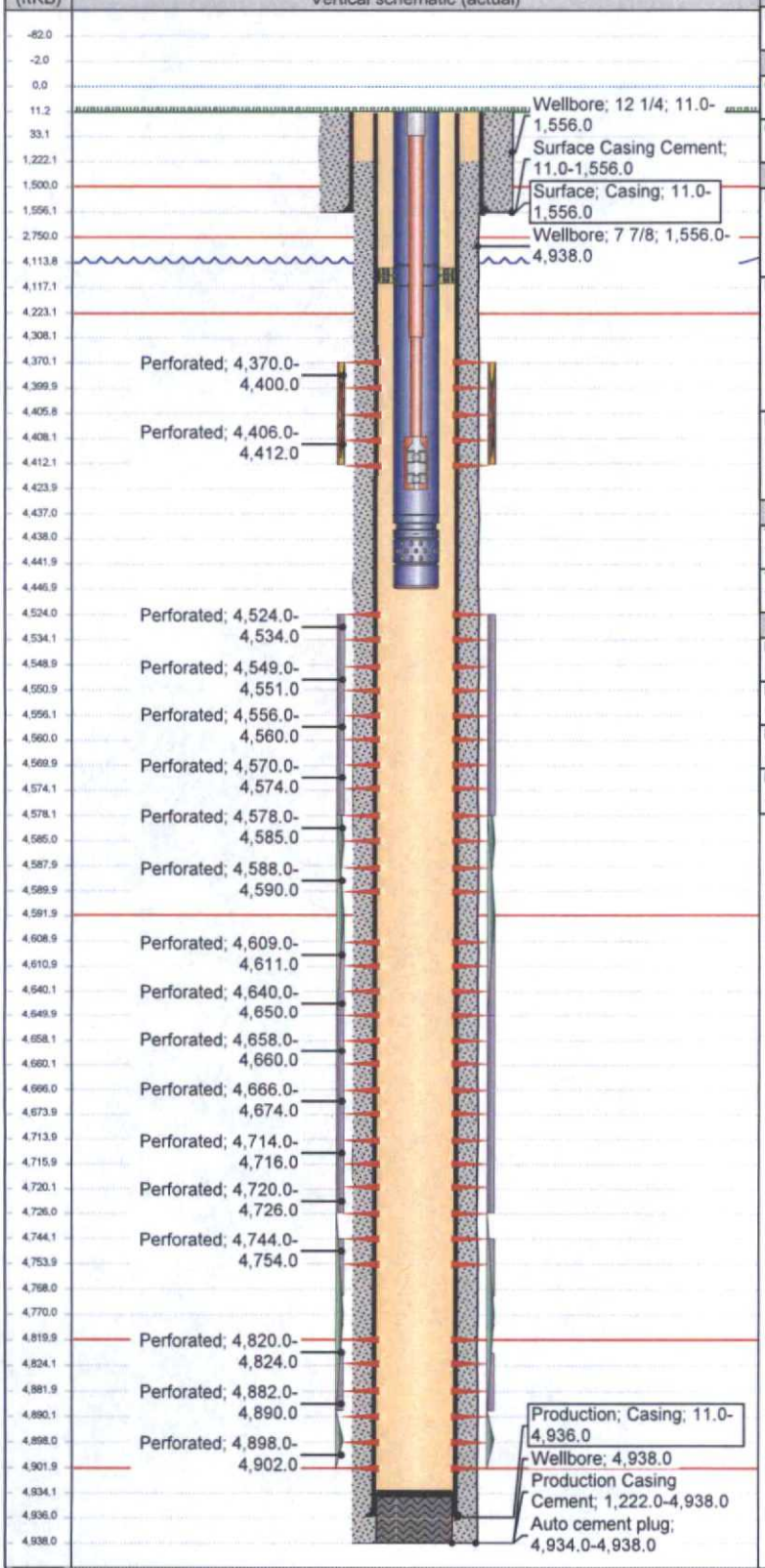
NM Regulatory Schematic

Well Name: HALE STATE 4

API/UWI	Field Name	County	State/Prov	Section	Township	Range	Survey	Block
3002539785	PBNM - PB - CAPROCK MALJAMAR	Lea	NM	31	017-S	034-E		

Ground Elevation (ft)	Orig KB Elev (ft)	KB-Grd (ft)	Initial Spud Date	Rig Release Date	TD Date	Latitude (°)	Longitude (°)	Operated?
4,096.00	4,107.00	11.00	11/20/2008	12/1/2008	11/30/2008	32° 47' 50.82" N	103° 36' 15.624" W	Yes

Original Hole, 4/2/2015 7:14:03 AM



Original Hole Data

Wellbores

North-South Distance (ft)	NS Flag	East-West Distance (ft)	EW Flag
330.0	FNL	900.0	FWL

Casing Strings

Csg Des	Set Dept...	OD Nom...	ID Nom...	Wt/Len (l...	String Grade	Run Date
Surface	1,556.0	8 5/8	8.097	24.00	J-55	11/20/2008
Production	4,936.0	5 1/2	4.95	15.50	J-55	11/30/2008

Cement Stages

Description	Top (ftKB)	Btm (ftKB)	Eval Method	Comment
Surface Casing Cement	11.0	1,556.0	Circulated	Spot 393 sxs class C 2% CaCL2 cmt Circ to surface
Production Casing Cement	1,222.0	4,938.0	Calculated	Spot 975 sxs class C 2% CaCL2 cmt TOC @ 1222' (calc) Assume 1.32 cu ft/sk and 50% fillup
Cement Squeeze	4,370.0	4,754.0	Calculated	PROPOSED: Sqz cmt into perfs @ 4370' - 4754'

Tubing Strings

Tubing Description	Set Depth...	Run Date	Pull Date
Tubing	4,447.0	7/21/2009	
Tubing - Injection	4,770.0	3/30/2015	

Formations

Formation	Final Top...	Final Btm...	Comment
SALT	1,500.0	2,750.0	
GRAYBURG	4,223.0	4,592.0	
SAN ANDRES	4,592.0		
SAN ANDRES	4,820.0	4,902.0	PROPOSED: DISPOSAL INTERVAL

EXHIBIT 3: 2 MILE RADIUS AREA OF REVIEW

17 S 33 E

17 S 34 E

23 24 19 20 21 22

26 25 30 29 28 27

35 36 31 32 33

2 1 6 5 4

7 8 9

Active

P&A'd

NO WELL(S)

HALE ST

39785

#4

#2

#7

P&A

Plugged

PHILLIPS LEA

State F TG #5

P&A SWD / R-5106

Phillips Lea #13

STATE 36

SWD / San Andres

#1

#5

Phillips Lea #4 / SWD / R-3898

(original disposal well for leases)

SYMBOL HIGHLIGHT

PLSH AOR_HALE ST 4

LINN Energy

LINN ENERGY

PERMIAN New Mexico

C-108 APPLICATION: Hale St #4

TWO MILE AOR

0 2,531 5,062

FEET

POSTED WELL DATA

API Series

SYMBOL HIGHLIGHT

PLSH AOR_HALE ST 4

WELL SYMBOLS

- Dry Hole, With Show of Gas
- Dry Hole, With Show of Oil & Gas
- Dry Hole, With Show of Oil
- Dry Hole
- Gas Well
- Injection Well
- Injection Well
- Junked
- Oil and Injection
- Oil Well
- Plugged and Abandoned
- Plugged & Abandoned Oil Well
- Temporarily Abandoned
- New Symbol

By: K. PENA

March 25, 2015

SWD wells / Div. Orders

- State F TG #5
  30-025-01426
  open hole 4573-4682
  SA disposal / 1955 well
  P&A 2008
  Total: Unknown
- Phillips Lea #4
  30-025-02156
  Plugged
  former Linn disposal well for
- State Vacuum Unit
  R-5295 / 5762
- SVU wells - designated injectors in order Grayburg-San Andres formations / Vacuum Pool

EXHIBIT 4: 1/2 MILE RADIUS AREA OF REVIEW

17 S 33 E

17 S 34 E

HALE ST

PHILLIPS LEA

STATE 36

26 25 30 29 28

35 36 31 32

2 1 6

TD 4800 / Cased P&A

TD 4800 Cased P&A

TD 4800 / Cased P&A

TD 4825 / GL 4085' / -4025' / 860' SL / OH

3 casted with returns

29111

30073 A

30096

28439

02150

39785

23426

01426

02158

TD 4730 P&A OH

TD 4850

28513 A

39184 A

TD 4682 P&A OH

01423 A

02154

35218 A

02157 A

23161 A

TD 13575 / Spud Cart P&A

TD 4678

TD 4684

TD 4773

4850 TD

TD 4765

Hale State #1 - TP proposed: -724' SL at 4820' BGS

BTTM proposed at 4902' BGS

SYMBOL HIGHLIGHT

PLSH AOR_HALE ST 4

LINN Energy

LINN ENERGY

PERMIAN New Mexico

C-108 APPLICATION: Hale St #4

HALF MILE AOR

0 1,696 3,392

FEET

POSTED WELL DATA

API Series

SYMBOL HIGHLIGHT

PLSH AOR_HALE ST 4

WELL SYMBOLS

- Dry Hole, With Show of Gas
- Dry Hole, With Show of Oil & Gas
- Dry Hole, With Show of Oil
- Dry Hole
- Gas Well
- Injection Well
- Injection Well
- Junked
- Oil and Injection
- Oil Well
- Plugged and Abandoned
- Plugged & Abandoned Oil Well
- Temporarily Abandoned
- New Symbol

By: K. PENA

March 25, 2015

PETRA 3/25/2015 12:30:50 PM

EXHIBIT 5: WELL TABULATION DATA

API 30	Legal Well Name	Orig Spud Date	Measured Depth (ft)	Well Status (OCD)	Surface Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref	Operator	String Type	Set Depth (ft)	String OD (in)	Hole Size (in)	Sks Cement	TOC (ft)	TOC Evaluation Method
3002530073	LEA #034	11/28/1987	4,800	Active	S:30, T:17S, R:34E	935	FSL	1980	FWL	CONOCOPHILLIPS COMPANY	SURFACE	1,504	8 5/8	12 1/4	1,000	0	CIRCULATED
											PRODUCTION	4,800	5 1/2	7 7/8	3,550	0	CIRCULATED
3002501423	STATE F TG #002	2/20/1955	4,684	Active	S:36, T:17S, R:33E	1980	FNL	660	FEL	CONOCOPHILLIPS COMPANY	SURFACE	1,496	8 5/8	11	450	828	CALCULATED
											PRODUCTION	4,615	5 1/2	7	600	742	CALCULATED
3002502154	HALE STATE #001	1/7/1955	4,733	Active	S:31, T:17S, R:34E	990	FNL	660	FWL	LINN OPERATING, INC.	SURFACE	1,581	8 5/8	10	100	1,108	CALCULATED
											PRODUCTION	4,591	7	8	325	3,582	CALCULATED
											LINER	4,763	4 1/2	6 1/2	50	4,570	CIRCULATED
3002523428	HALE STATE #002	2/2/1970	4,678	Active	S:31, T:17S, R:34E	2310	FNL	330	FWL	LINN OPERATING, INC.	SURFACE	323	8 5/8	10	200	0	CIRCULATED
											PRODUCTION	4,590	5 1/2	8	150	4,052	CALCULATED
3002539785	HALE STATE #004	11/20/2008	4,818	Active	S:31, T:17S, R:34E	330	FNL	990	FWL	LINN OPERATING, INC.	SURFACE	1,556	8 5/8	12 1/4	488	0	CIRCULATED
											PRODUCTION	4,936	5 1/2	7 7/8	975	1,222	CALCULATED
3002502157	PHILLIPS LEA #001	3/14/1949	4,765	Active	S:31, T:17S, R:34E	1980	FNL	1980	FWL	LINN OPERATING, INC.	SURFACE	196	13 3/8	17 1/2	175	0	CIRCULATED
											INTERMEDIATE	1,524	8 5/8	12	100	1,314	CALCULATED
											PRODUCTION	4,600	5 1/2	8 3/4	100	3,604	CALCULATED
3002523168	PHILLIPS LEA #005	6/5/1969	4,850	Active	S:31, T:17S, R:34E	2310	FSL	990	FWL	LINN OPERATING, INC.	SURFACE	414	8 5/8	12 1/4	275	0	CIRCULATED
											PRODUCTION	4,845	4 1/2	7 7/8	300	3,975	CALCULATED
3002523515	PHILLIPS LEA #007	8/2/1970	4,850	Active	S:31, T:17S, R:34E	990	FNL	1980	FWL	LINN OPERATING, INC.	SURFACE	375	8 5/8	12 1/4	350	0	CIRCULATED
											PRODUCTION	4,847	4 1/2	7 7/8	150	4,412	CALCULATED
3002539184	PHILLIPS LEA #013	11/7/2008	4,822	Active	S:31, T:17S, R:34E	1650	FNL	2140	FWL	LINN OPERATING, INC.	SURFACE	1,556	8 5/8	12 1/4	800	0	CIRCULATED
											PRODUCTION	4,821	5 1/2	7 7/8	585	1,069	CALCULATED — CBL
3002502150	LEA #020	11/5/1947	4,825	Plugged, Site Released	S:30, T:17S, R:34E	660	FSL	1980	FEL	PHILLIPS PETROLEUM CO	SURFACE	1,520	8 5/8	11	600	0	CIRCULATED
											PRODUCTION	4,350	5 1/2	7 7/8	200	3,588	CALCULATED
3002502154	LEA #033	5/12/1948	4,730	Plugged, Site Released	S:31, T:17S, R:34E	660	FNL	1980	FEL	CONOCOPHILLIPS COMPANY	SURFACE	1,515	8 5/8	11	800	0	CIRCULATED
											PRODUCTION	4,495	5 1/2	7 7/8	1,000	1,625	TEMP SURVEY
3002529111	LEA #039	11/13/1985	4,800	Plugged, Site Released	S:30, T:17S, R:34E	1980	FSL	660	FWL	CONOCOPHILLIPS COMPANY	SURFACE	380	8 5/8	12 1/4	400	0	CIRCULATED
											PRODUCTION	4,800	4 1/2	7 7/8	2,400	1,660	TEMP SURVEY
3002530096	LEAMEX #043	2/12/1988	4,800	Plugged, Site Released	S:25, T:17S, R:33E	660	FSL	660	FEL	CONOCOPHILLIPS COMPANY	SURFACE	1,475	8 5/8	12 1/4	1,000	0	CIRCULATED
											PRODUCTION	4,800	5 1/2	7 7/8	2,500	0	CIRCULATED
3002501426	STATE F TG #005	12/21/1955	4,682	Plugged, Site Released	S:36, T:17S, R:33E	990	FNL	660	FEL	CONOCOPHILLIPS COMPANY	SURFACE	1,520	8 5/8	12 1/4	450	880	CALCULATED
											PRODUCTION	4,564	5 1/2	7 7/8	450	3,040	CALCULATED
3002535218	LINCAS 33 STATE #001	12/15/2000	13,575	Plugged, Site Released	S:33, T:17S, R:34E	1980	FNL	1668	FWL	CONOCOPHILLIPS COMPANY	SURFACE	430	13 3/8	17 1/2	900	0	CIRCULATED
											INTERMEDIATE	4,808	9 5/8	12 1/4	2,550	0	CIRCULATED
											PRODUCTION	12,936	7	8 3/4	650	9,950	CBL
											LINER	13,575	5	6 1/8	175	12,612	CBL, TOP OF LINER @ 12,634'
3002528439	LEA #038	12/4/1981	4,800	Plugged, Site Released	S:30, T:17S, R:34E	660	FSL	1980	FWL	PHILLIPS PETROLEUM CO	SURFACE	357	8 5/8	11 1/4	400	0	CIRCULATED
											PRODUCTION	4,800	4 1/2	7 7/8	1,300	0	CALCULATED. 400 SX CMT ALSO PUMPED DOWN BACKSIDE FROM 0'-1,033' (CALC'). ENTIRE ANNULUS CEMENTED.

Top perf Proposed: 4820' BGS

Totals - Penetrating Wells

5 wells

3 active

2 P&A

EXHIBIT 6: PLUGGED WELLS WITHIN THE AREA OF REVIEW

EXHIBIT 7: REQUESTED INJECTION GRADIENT

Well	Frac Gradient (psi/ft)	Projected Gradient @ Surface	Top Perf	Avg Injection Pressure @ Surface
PHILLILPS LEA No. 104	0.85	0.35	4711	1608
PHILLIPS LEA No. 105	0.93	0.44	4706	1997
STATE 36-102	0.88	0.38	4705	1757
HALE ST No.004	0.88	0.39	4820	1831

Oil Producer

Oil Producer

Projected Gradient @ Surface = Frac Gradient - Hydrostatic Gradient (0.433 psi/ft) - Friction Gradient (60 psi/1000 ft)

Average Injection Pressure @ Surface = Projected Gradient @ Surface x Top Perf - 50 psi

No SRT info

only 0.2 Admin

per Rule

EXHIBIT 8: HALE STATE NO. 004 FORMATION WATER ANAYSIS

BAKER HUGES

Permian Basin Area Laboratory
2101 Market Street,
Midland, Texas 79703

Report Date: 4/9/2015

Complete Water Analysis Report SSP v.8

Customer:	LINN ENERGY	Sample Point Name	4
District:	New Mexico	Sample ID:	201501012045
Sales Rep:	Michael Oney	Sample Date:	4/7/2015
Lease:	HALE ST	Log Out Date:	4/9/2015
Site Type:		Analyst:	Samuel Newman
Sample Point Description:			

LINN ENERGY, HALE ST, 4

Field Data

Initial Temperature (°F):	250
Final Temperature (°F):	74
Initial Pressure (psi):	100
Final Pressure (psi):	15
pH:	
pH at time of sampling:	6.6

Alkalinity by Titration:	mg/L	meq/L
Bicarbonate (HCO_3^-):	1195.0	19.6
Carbonate (CO_3^{2-}):	ND	
Hydroxide (OH^-):	ND	

aqueous CO_2 (ppm):	350.0
aqueous H_2S (ppm):	410.0
aqueous O_2 (ppb):	ND
Calculated TDS (mg/L):	74750
Density/Specific Gravity (g/cm³):	1.0490
Measured Density/Specific Gravity	1.0544
Conductivity (mmhos):	ND
MCF/D:	No Data
BOPD:	No Data
BWPD:	No Data

Analysis of Sample

Anions:	mg/L	meq/L
Chloride (Cl^-):	44136.0	1245.0
Sulfate (SO_4^{2-}):	920.3	19.2
Borate (H_3BO_3):	135.5	2.2
Fluoride (F^-):	ND	
Bromide (Br^-):	ND	
Nitrite (NO_2^-):	ND	
Nitrate (NO_3^-):	ND	
Phosphate (PO_4^{3-}):	ND	
Silica (SiO_2):	ND	

Organic Acids:	mg/L	meq/L
Formic Acid:	ND	
Acetic Acid:	ND	
Propionic Acid:	ND	
Butyric Acid:	ND	
Valeric Acid:	ND	

Cations:	mg/L	meq/L
Sodium (Na^+):	22770.8	990.9
Potassium (K^+):	542.2	13.9
Magnesium (Mg^{2+}):	1842.0	151.6
Calcium (Ca^{2+}):	3134.4	156.4
Strontium (Sr^{2+}):	68.0	1.6
Barium (Ba^{2+}):	0.0	0.0
Iron (Fe^{2+}):	5.7	0.2
Manganese (Mn^{2+}):	0.3	0.0
Lead (Pb^{2+}):	ND	
Zinc (Zn^{2+}):	0.0	0.0
Aluminum (Al^{3+}):	ND	
Chromium (Cr^{3+}):	ND	
Cobalt (Co^{2+}):	ND	
Copper (Cu^{2+}):	ND	
Molybdenum (Mo^{2+}):	ND	
Nickel (Ni^{2+}):	ND	
Tin (Sn^{2+}):	ND	
Titanium (Ti^{2+}):	ND	
Vanadium (V^{2+}):	ND	
Zirconium (Zr^{2+}):	ND	
Total Hardness:	15503	N/A

Anion/Cation Ratio:	0.98

ND = Not Determined

Conditions		Barite ($BaSO_4$)		Calcite ($CaCO_3$)		Gypsum ($CaSO_4 \cdot 2H_2O$)		Anhydrite ($CaSO_4$)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
74°F	15 psi		0.000	1.00	219.651	-0.48	0.000	-0.71	0.000
94°F	24 psi		0.000	1.00	219.079	-0.47	0.000	-0.63	0.000
113°F	34 psi		0.000	1.02	220.964	-0.46	0.000	-0.53	0.000
133°F	43 psi		0.000	1.06	223.598	-0.45	0.000	-0.43	0.000
152°F	53 psi		0.000	1.10	226.713	-0.43	0.000	-0.31	0.000
172°F	62 psi		0.000	1.15	230.359	-0.41	0.000	-0.19	0.000
191°F	72 psi		0.000	1.21	234.718	-0.39	0.000	-0.07	0.000
211°F	81 psi		0.000	1.28	240 092	-0.36	0 000	0.06	55.449
230°F	91 psi		0.000	1.36	246.035	-0.34	0.000	0.20	153.017
250°F	100 psi		0.000	1.44	252.506	-0.31	0.000	0.33	228.683

Conditions		Celestite ($SrSO_4$)		Halite (NaCl)		Iron Sulfide (FeS)		Iron Carbonate ($FeCO_3$)	
Temp	Press.	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)	Index	Amt (ptb)
74°F	15 psi	-0.45	0.000	-1.82	0.000	3.18	3.118	-0 07	0.000
94°F	24 psi	-0.44	0.000	-1.84	0.000	3.04	3.117	-0.01	0.000
113°F	34 psi	-0.44	0.000	-1.86	0.000	2.95	3.117	0.07	0.567
133°F	43 psi	-0.42	0.000	-1.87	0.000	2.90	3.116	0.14	1.086
152°F	53 psi	-0.40	0.000	-1 88	0.000	2.87	3.116	0.20	1.497
172°F	62 psi	-0.37	0.000	-1.88	0.000	2.86	3.116	0.26	1.821
191°F	72 psi	-0.33	0.000	-1.88	0.000	2.87	3.116	0.31	2.090
211°F	81 psi	-0.29	0.000	-1.88	0 000	2.90	3.116	0.37	2.322
230°F	91 psi	-0.24	0.000	-1.87	0.000	2.94	3.116	0.42	2.509
250°F	100 psi	-0.19	0.000	-1.87	0.000	2.99	3.117	0.46	2.662

Note 1: When assessing the severity of the scale problem, both the saturation index (SI) and amount of scale must be considered

Note 2. Precipitation of each scale is considered separately Total scale will be less than the sum of the amounts of the eight (8) scales

Note 3 Saturation index predictions on this sheet use pH and alkalinity; $\%CO_2$ is not included in the calculations

Calculate

ScaleSoftPitzer™ SSP2010

Comments: _____

Sample ID: 42101 LINN ENERGY, HALE ST, 4

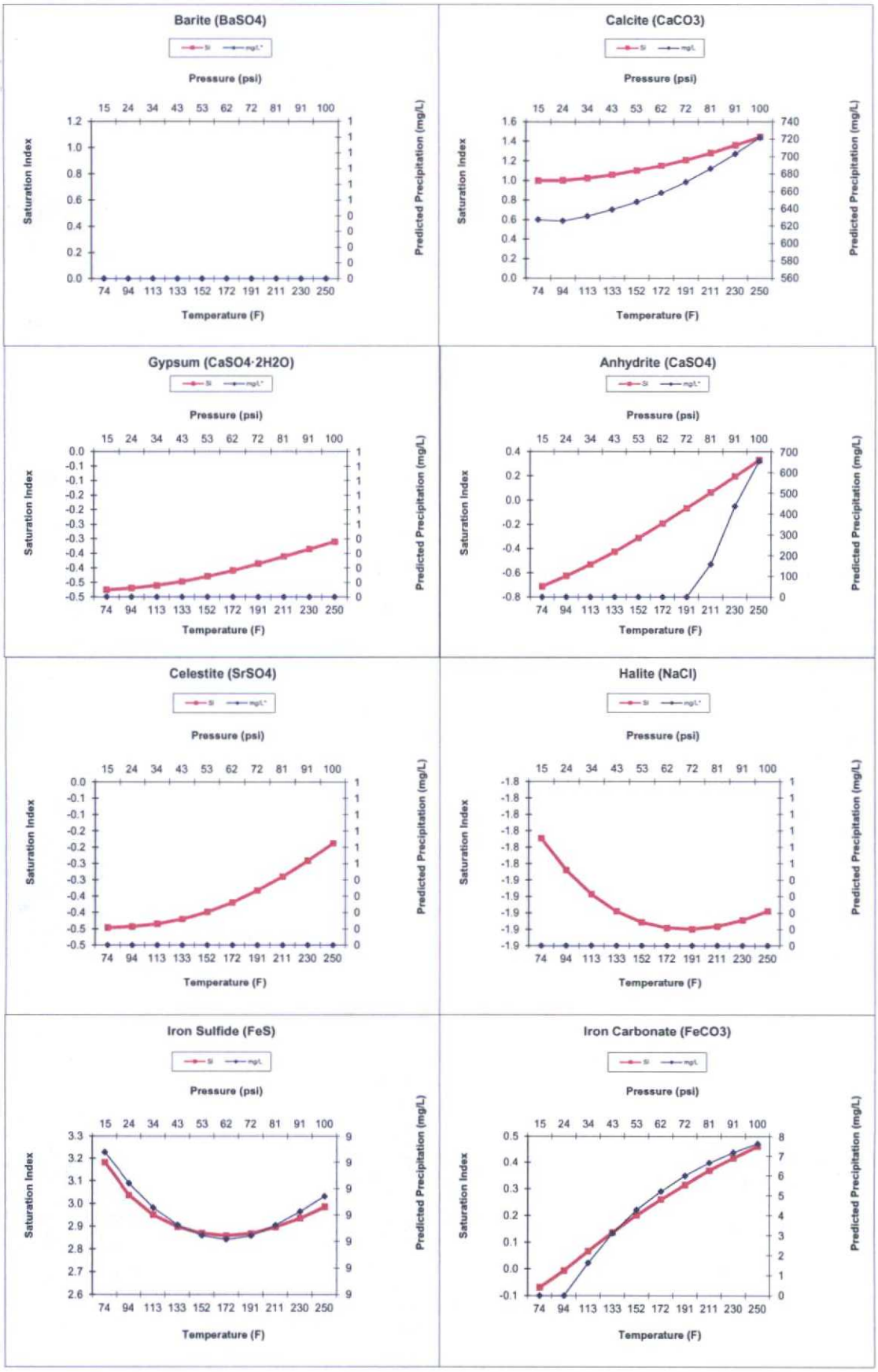


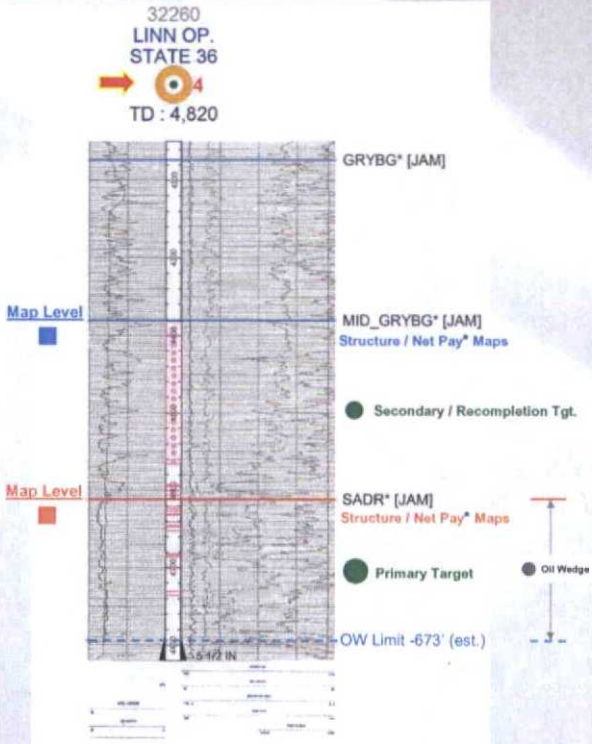
EXHIBIT 9
Geologic Data- Formation Tops for Disposal Well

Hale State No. 004		
Formation Tops and Total Depth		
Formation Call Points	**Top (ft- MD)**	
Queen	3828	
Grayburg	4223	
San Andres	4592	
Casing Depths		
String	**Set Depth**	**Length**
Surface Casing	1556'	1556'
Production Casing	4936'	4936'
Reservoir Pressure		
Estimated bottom hole pressure: 2100 psi		

EXHIBIT 10:

Area Type Log

LINN Energy
NASDAQ:LINE • NASDAQ:LNCO



* Net Pay maps = de-risk drill locs.

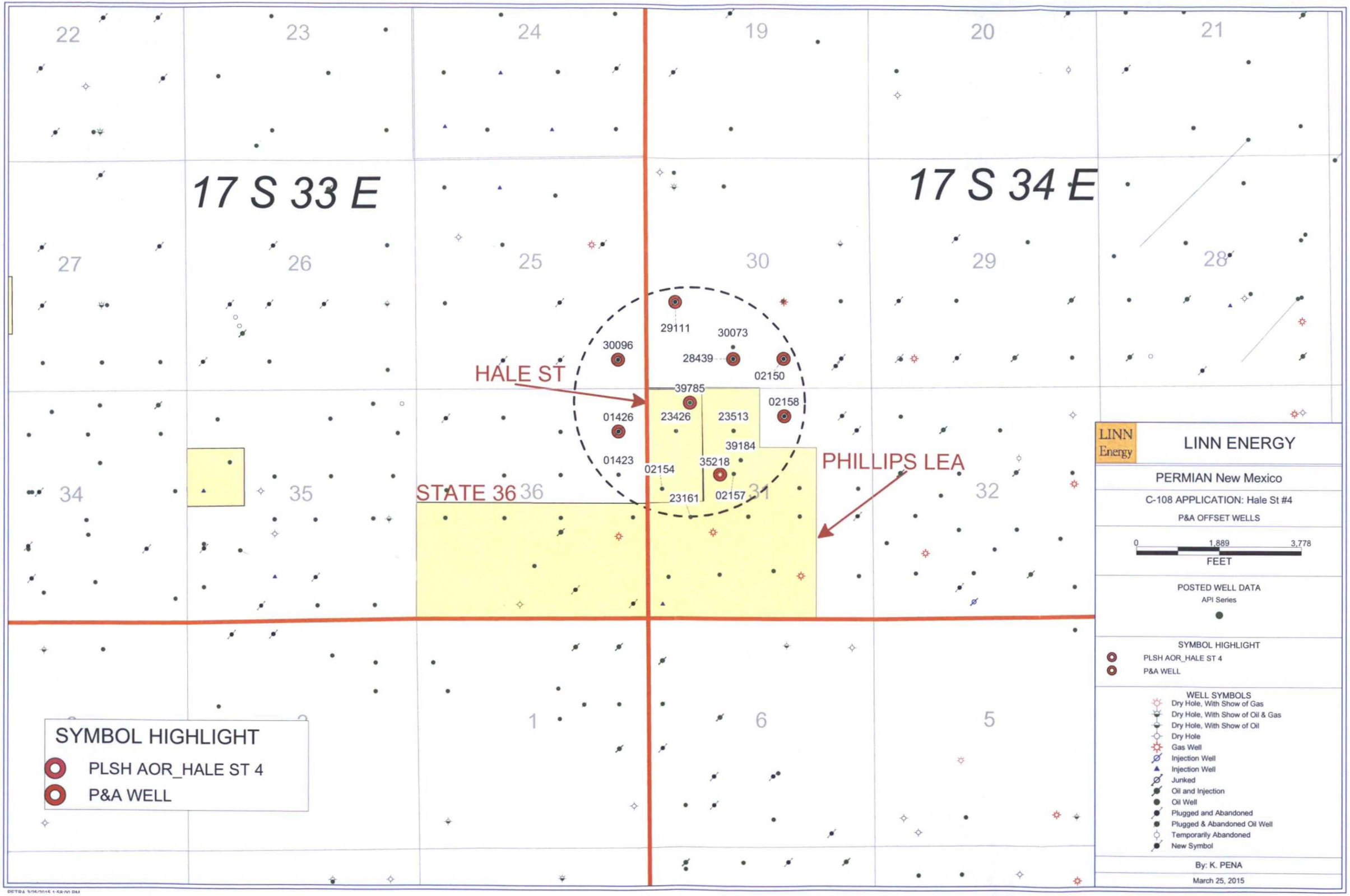

22
23
24
19
20
21
17 S 33 E
17 S 34 E
27
26
25
30
29
28
HALE ST
29111
30073
30096
28439
02150
39785
02158
01426
23426
23513
39184
01423
35218
02154
PHILLIPS LEA
STATE 36
36
23161
02157
31
34
35
32
1
6
5
SYMBOL HIGHLIGHT
PLSH AOR_HALE ST 4
P&A WELL
LINN Energy
LINN ENERGY
PERMIAN New Mexico
C-108 APPLICATION: Hale St #4
P&A OFFSET WELLS
0
1,889
3,778
FEET
POSTED WELL DATA
API Series
SYMBOL HIGHLIGHT
PLSH AOR_HALE ST 4
P&A WELL
WELL SYMBOLS
Dry Hole, With Show of Gas
Dry Hole, With Show of Oil & Gas
Dry Hole, With Show of Oil
Dry Hole
Gas Well
Injection Well
Injection Well
Junked
Oil and Injection
Oil Well
Plugged and Abandoned
Plugged & Abandoned Oil Well
Temporarily Abandoned
New Symbol
By: K. PENA
March 25, 2015

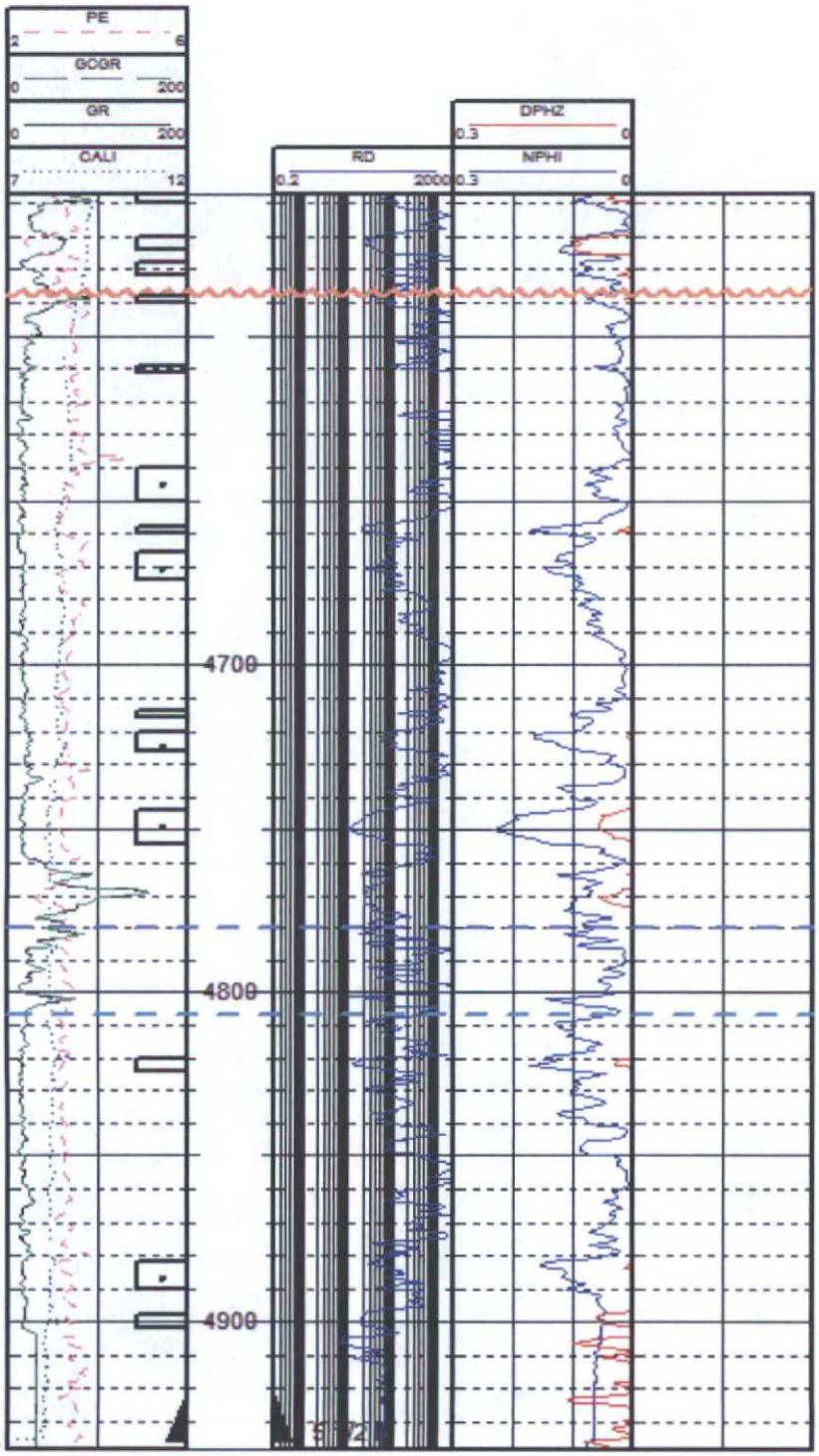
EXHIBIT 12: 39785

LINN OPERATING INC

HALE STATE

4

TD : 4,938

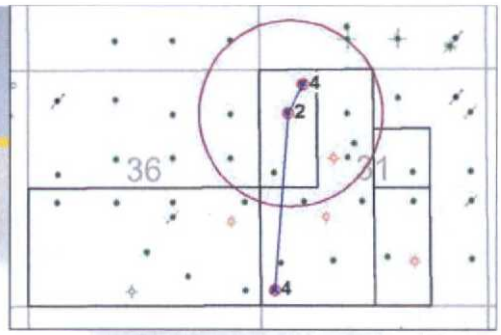


Proposed Disposal

EXHIBIT 13:

Alternate SWD Candidate
Hale State #4

Phillips Lea #4; historical SADR disposal zone. Hale State #4 is the drilled deep enough to access the same disposal interval.



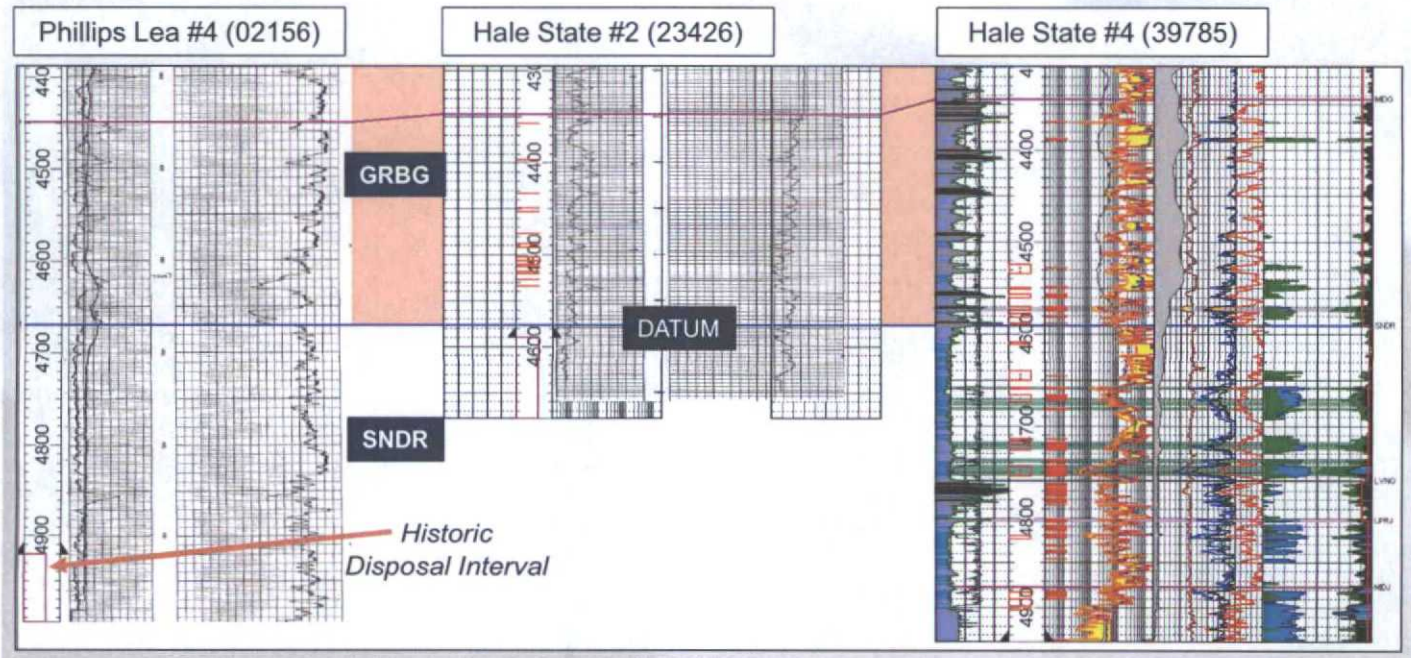


EXHIBIT 14: PROOF OF OFFSET NOTIFICATION (SURFACE OWNERS & OPERATORS)

Surface Owner and Offset Operator Notification Certification

I hereby certify that a copy of this application was sent to the surface owner and offset operators of the Hale State #4 well. Notifications are listed below.

Laura A. Moreno – Regulatory Compliance Advisor, LINN Operating, Inc.

State of New Mexico (Surface Owner)

310 Old Santa Fe Trail & Mineral Estate (unleased tracts)

Santa Fe, NM 87501

ConocoPhillips Company (Offset Operator)

600 N. Dairy Ashford Rd.

Houston, TX 77079

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

State of New Mexico
310 Old Santa Fe Trail
Santa Fe, NM 87501

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

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

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7010 3090 0001 3468 8433

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7010 3090 0001 3468 8433

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

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

OFFICIAL USE

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

Postmark Here

Sent To: State of New Mexico
Street, Apt. No.; or PO Box No.: 310 Old Santa Fe Trail
City, State, ZIP+4: Santa Fe, NM 87501

PS Form 3800, August 2006 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Conocophillips Company
ATTN: Patsy L. Clugston
600 N. Dairy Ashford Rd
Houston, TX 77079

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) [illegible] C. Date of Delivery

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

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7010 3090 0001 3468 8440

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7010 3090 0001 3468 8440

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

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

OFFICIAL USE

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

Postmark Here

Sent To: Patsy Clugston - Conoco
Street, Apt. No.; or PO Box No.: 600 N. Dairy Ashford
City, State, ZIP: Houston, TX. 77079.

PS Form 3800, August 2006 See Reverse for Instructions

EXHIBIT 15: NOTARIZED NEWSPAPER PUBLICATION

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
April 14, 2015
and ending with the issue dated
April 14, 2015.

Daniel Russell
Publisher

Sworn and subscribed to before me this
14th day of April 2015.

Gussie Black
Business Manager

My commission expires
January 29, 2019
(Seal)

OFFICIAL SEAL
GUSSIE BLACK
Notary Public
State of New Mexico
My Commission Expires 1-29-19

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

LEGALS

LEGAL NOTICE
April 14, 2015

Notice is hereby given that LINN Operating Inc. is applying to the New Mexico Oil Conservation Division to convert the Hale State #004 oil producer to a salt water disposal well in the San Andres formation. This well is located in Section 31, T17S, R34E being 2310' FNL AND 330' FWL in Lea County, NM.

The intended purpose of this conversion is so the produced water from three (3) adjacent leases (Phillips Lea, Hale State and State 36) operated by LINN will be disposed of in the proposed Hale State #004 SWD. LINN proposes to dispose into the San Andres formation at a depth of 4820'-4902' with an expected maximum injection pressure of 2400 psi and an expected maximum rate of 1000 bwpd.

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.
#29937

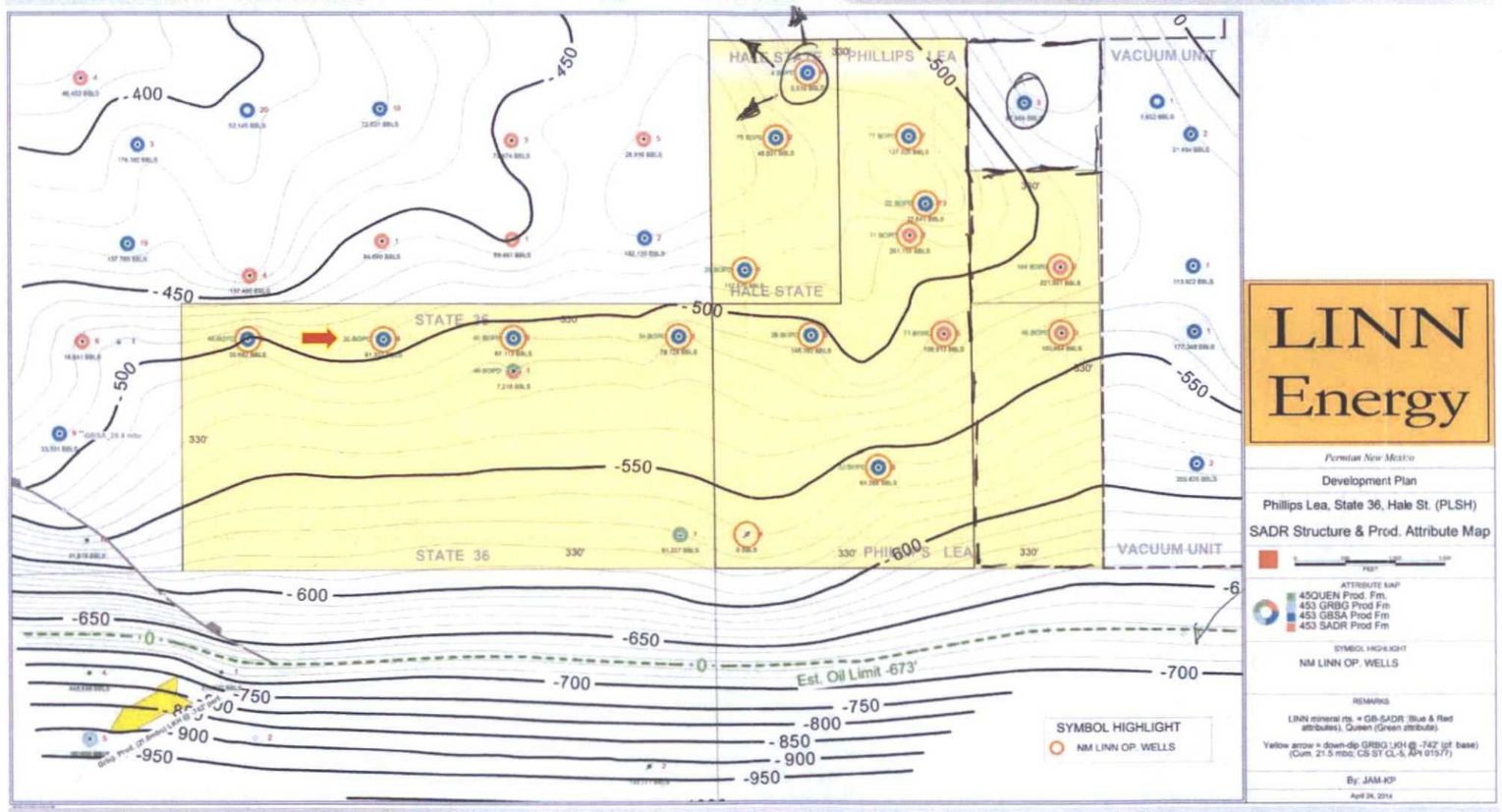
67107358 00154776

LINN ENERGY
600 TRAVIS STE 5100
HOUSTON, TX 77002

EXHIBIT 11:

San Andres Structure Map

LINN Energy
NASDAQ:LINE • NASDAQ:LNCO



LINN Energy

Permian New Mexico

Development Plan

Phillips Lea, State 36, Hale St. (PLSH)

SADR Structure & Prod. Attribute Map

ATTRIBUTE MAP
- 45QUEN Prod. Fm.
- 453 GRBG Prod Fm
- 453 GBSA Prod Fm
- 453 SADR Prod Fm

SYMBOL HIGHLIGHT
NM LINN OP. WELLS

REMARKS

LINN mineral rts. = GB-SADR :Blue & Red attributes), Queen (Green attribute).

Yellow arrow = down-dip GRBG LKH @ -742' (cf. base) (Cum. 21.5 mbo, CS SY CL-5, API 01577)

By: JAM-KP

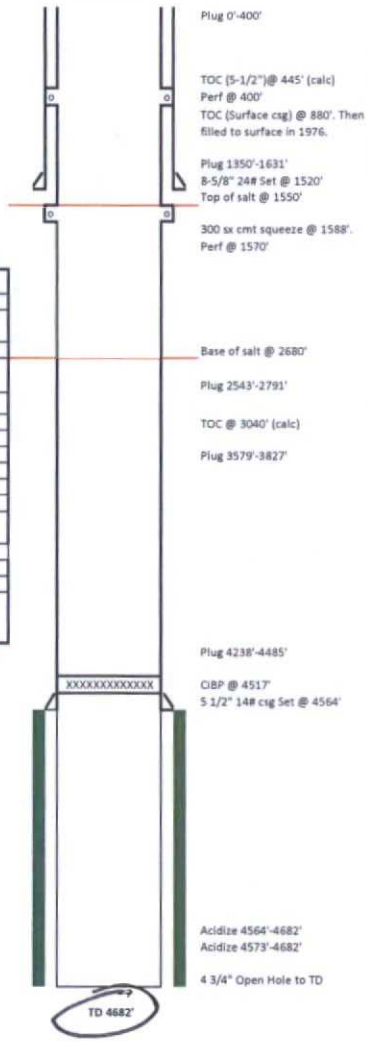
April 24, 2014

Well Name:	STATE F-TG #5

	Location:
Location	990' FNL, 660' FEL
Section:	S36-T17S-R33E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.7957841617218,-103.610216797657
Field:	VACUUM (GRAYBURG-SAN ANDRES)
	Elevations:
GL:	4,105'
DF:	4,114'
KB-GL Calc:	10'
ck w/log?	

Date	
12/21/1955	Spud well.
12/23/1955	Ran 1520' 8-5/8" 24# J-55 ST&C csg and cmt @ 1520' w/300 sx 4% gel mixed 1:1 w/ 300 cu ft of Stratacrete and 100 sx neat cmt.
1/3/1956	Ran 4564' 5-1/2" 14# J-55 ST&C csg cemented @ 4564 w/400 sx cement.
1/20/1956	Acidized formation w/2,000 gal type J acid + 6,000 gal gelled Acid W.
1/25/1956	Well put on production.
11/3/1975	Acidized OH 4573'-6482' w/1,000 gal 15% HCl acid. Converted to salt water disposal well.
5/14/1976	**Cellar dug out. Cemented to top of 8-5/8" pipe.**
9/15/1990	Tracer survey indicated fluid entering formation @ 1588'. Squeeze 5-1/2" annulus w/300 sx cmt. TOC @ 445' (calc). Assume 1.32 cu ft/sx and 50% fillup.
10/19/2001	TA well by setting CIBP @ 4517'
1/4/2008	Pumped 25 sx C cmt 4485'-4238'. Pumped 25 sx C cmt 3827'-3579'. Pumped 25 sx C cmt 2791'-2543'.
1/7/2008	Perf casing @ 1570'. Unable to establish injection rate into casing. Pumped 25 sx C cmt 1631'-1383'.
1/8/2008	Tagged cmt @ 1350'. Perf casing @ 400'. Established rate into sqz perforations, no communication to surface. Squeezed 100 sx C cmt 400' to surface. Cut off wellhead & anchors, installed dry hole marker, back-filled cellar.

Current Wellbore Diagram



Well Name:	STATE F-TG #5
API No:	30-025-01426
Spud Date:	12/21/1955
WBD Update:	3/26/2015 M. Reginato

Hole Size:	12-1/4"
Surf Csg:	8 5/8" 24#
Cement Blend:	400 sx (300 sx 4% gel + 100 sx neat)
Depth:	1520'
TOC:	880' (calc.) Assume 1.32 cu ft/sx and 50% fillup.

Hole Size:	7-7/8"
Prod Csg:	5 1/2" 14#
Cement Blend:	400 sx
Depth	4564'
TOC:	3040' (calc.) Assume 1.32 cu ft/sx and 50% fillup.

Details of Perforations

1/7/2008	Perf squeeze hole @ 1570'
1/8/2008	Perf squeeze hole @ 400'

Acid or Fracture Treatment Details

1/20/1956	2,000 gal J Acid + 6,000 gal Gelled Acid W 4564'-4682'
11/3/1975	1,000 gals 15% HCl in open hole section 4573'-4682'

Other In Hole

10/19/2001	CIBP set @ 4517'

Cement Plugs

4238'-4485'	25 sx class C (tagged)
3579'-3827'	25 sx class C (tagged)
2543'-2791'	25 sx class C (tagged)
1350'-1631'	25 sx class C (tagged)
0-400'	100 sx class C to surface

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

RECEIVED
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
JAN 25 2008 Santa Fe, NM 87505
HOBBS OCD

Form C-103
May 27, 2004

WELL API NO.	30-025-01426
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	31153
7. Lease Name or Unit Agreement Name	State F TC
8. Well Number	005
9. OGRID Number	217817
10. Pool name or Wildcat	Vacuum Grayburg/San Andres

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

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

2. Name of Operator
ConocoPhillips Company ATTN: Celeste Dale

3. Address of Operator
3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406

4. Well Location
Unit Letter **A** : **990** feet from the **North** line and **660** feet from the **East** line
Section **36** Township **17-S** Range **33-E** NMPM County **Lea**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4,018' GR

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type **STEEL** Depth to Groundwater ____ Distance from nearest fresh water well ____ Distance from nearest surface water **N/A**

Pit Liner Thickness: **STEEL** mil Below-Grade Tank: Volume **180** bbls; Construction Material **STEEL**

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☒
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	

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.

Approved as to plugging of the Well Bore. Liability under bond is retained until surface restoration is completed.

SEE ATTACHED PLUGGED WELLBORE DIAGRAM

01/03/08 MIRU Triple N rig #26 & plugging equipment.

01/04/08 Notified NMOCD, Maxie Brown. Set steel working pit, NU BOP. RIH w/ tubing to 4,485'. Circulated hole w/ mud, pumped 25 sx C cmt 4,485 – 4,238'. PUH w/ tubing to 3,827' and pumped 25 sx C cmt 3,827 – 3,579'. PUH w/ tubing to 2,791' and pumped 25 sx C cmt 2,791 – 2,543'. SD for weekend.

01/07/08 Notified NMOCD. Perforated casing @ 1,570'. RIH w/ packer to 1,192'. Unable to establish rate into casing @ 2,000 psi. RIH w/ tubing to 1,631' per Mark w/ NMOCD and pumped 25 sx C cmt 1,631 – 1,383'. POOH w/ tubing, SDFN.

01/08/08 Notified NMOCD. Tagged cmt @ 1,350'. Perforated casing @ 400'. Established rate into sqz perforations, no communication to surface. Contacted NMOCD, Mark, on procedure. NU wellhead and squeezed 100 sx C cmt 400' to surface. RDMO.

Cut off wellhead & anchors, installed dry hole marker, back-filled cellar.

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 _____ TITLE **James F. Newman, P.E. (Triple N Services)** DATE **01/24/08**

Type or print name E-mail address: **jim@triplenservices.com** Telephone No. **432-687-1994**

For State Use Only

APPROVED BY: _____ TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JAN 31 2008

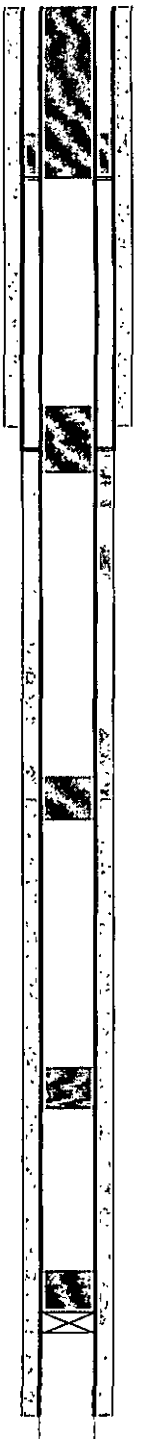
Conditions of Approval (if any):

PLUGGED WELLBORE SKETCH

ConocoPhillips Company - Lower 48 - Mid-Continent BU / Permian Operations

Date January 24, 2008

RKB @ 4115'
DF @ 4114'
GL @ 4105'



Subarea	Buckeye
Lease & Well No	State E&F TG SWD No. D05
Legal Description	990' FNL & 660' FEL, Sec. 36, T17S, R33E, Unit Letter A
County	Lea State New Mexico
Field	Vacuum (Grayburg-San Andres)
Date Spudded	Dec. 21, 1955 Rig Released Jan. 8, 1956
API Number	30-025-01426
Status	PLUGGED 01/08/08

State Lease No. B-2229

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
		Drilled with Rotary Tools						
4565-4682	1/26/56	J Acid	2,000					
		Gelled Acid W	6,000					
4573-4682	11/3/75	15% HCl	1,000		2000			
		Convert to Salt Water Disposal						
	5/14/76	*Cellar dug out. Cmt to top of 8-5/8" pipe*						
	9/15/90	*tracer survey indicated fluid entering formation @ 1,588'*						
		Squeeze 8-5/8 x 5-1/2" annulus w/300 sx cement						
	10/19/01	*Set CIBP @ 4517' - TEMPORARILY ABANDON*						

Perf & sqz'd 100 sx C cmt 400' to surface

Squeezed 8-5/8" x 5-1/2" annulus w/300 sx

12-1/4" Hole

8-5/8" 24# J-55 ST&C @ 1,520' cmt'd w/ 400 sx, circ.
Top of Salt @ 1550'

25 sx C cmt 1,631 - 1,350' TAGGED
Perf'd @ 1,570', unable to sqz @ 2,000 psi

25 sx C cmt 2,791 - 2,543'
TOC 5-1/2" Csg @ 2680' (Estimated)
Base Salt @ 2680'

25 sx C cmt 3,827 - 3,579'

Circulated mud, 25 sx C cmt 4,485 - 4,238'
5-1/2" CIBP @ 4517'
7-7/8" Hole
5-1/2" 14# J-55 ST&C @ 4564'
Cmt'd w/400 sx
TOC @ 2680' (Estimate)
OPENHOLE 4564' - 4682'
4-3/4" Hole

PBTD @ 4517'
TD @ 4682'

TRIPLE N SERVICES INC

PLUGS SET 01/03 - 01/08/08

1) Circulated mud, 25 sx C cmt 4,485 - 4,238'
2) 25 sx C cmt 3,827 - 3,579'
3) 25 sx C cmt 2,791 - 2,543'
4) 25 sx C cmt 1,631 - 1,350' TAGGED
5) Perf & sqz'd 100 sx C cmt 400' to surface

Capacities

5-1/2" 14# csg	7.299 ft/ft3	0.1370 ft3/ft
	40.98 ft/bbl	0.0244 bbl/ft
8-5/8" 24# csg	2.797 ft/ft3	0.3575 ft3/ft
	15.70 ft/bbl	0.0636 bbl/ft
7-7/8" openhole	2.957 ft/ft3	0.3382 ft3/ft
	16.599 ft/bbl	0.0602 bbl/ft

FORMATION TOPS:

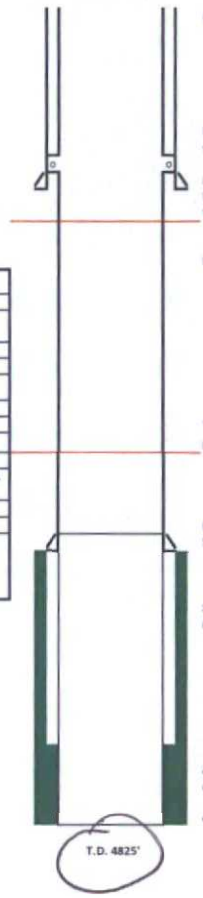
Rustler	1489'
Top Salt	1550'
Base Salt	2680'
Yates	2838'
Queen	3829'
Grayburg	4213'
San Andres	4577'

Well Name:	LEA #20

	Location:
Location	660' FSL, 1980' FEL
Section:	S30-T17S-R34E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.8003506121641,-103.59789666318
Field:	VACUUM (GRAYBURG-SAN ANDRES)
	Elevations:
GL:	4,085'
DF:	
KB-GL Calc:	
ck w/log?	

Date	
11/5/1947	Spud well.
11/11/1947	Cemented 1503' 8-5/8" surface csg w/600 sx cement circulated back to cellar.
12/17/1947	Tested 4358 ft 5-1/2" csg w/1000# pump pressure. Held for 30 min.
12/20/1947	Acidized well w/5,000 gal 20% acid.
12/27/1947	Well put on production.
8/13/1982	Spotted 900 gals 15% NE HCl across open hole from 4755'-4700'
1/18/1985	Ran string shot to 91' - backed out of csg. COOH w/5-1/2" csg - backed off @ 510'. WIH w/csg, replaced 1 jt in hole.
9/19/1985	Well temporarily abandoned.
3/11/1987	Perf'd 5-1/2" csg @ 1510'. Pumped 3,000 gal flo-ck + 800 sx cement. Circulated 10 sx.
3/24/1988	WIH w/ cmt retainer, set @ 4300'. Sqz'd 160 sx class C neat. Pulled out of hole, displaced hole w/9.5# mud laden fluid. POOH to 2600', spotted 20 sx class C neat 2600'-2500'. POOH to 1550', spotted 20 sx class C neat 1550'-1450'. Spotted 10 sx class C neat. Circ to surface. ND BOP, cut off wellhead, installed dry hole marker, cut off deadmen. Job complete.

Current Wellbore Diagram



Well Name:	**LEA #20**
API No:	**30-025-02150**
Spud Date:	**11/5/1947**
WBD Update:	**3/26/2015 M. Reginato**

Hole Size:	11"
Surf Csg:	8 5/8" 32#
Cement Blend:	600 sx
Depth:	1520'
TOC:	Surface (circulated)

Hole Size:	7 7/8"
Prod Csg:	5 1/2" 15.5#
Cement Blend:	200 sx
Depth	4350'
TOC:	3588' (calc). Assume 1.32 cu ft/sx and 50% fillup.

Details of Perforations

3/11/1987	Perf squeeze hole @ 1510'

Acid or Fracture Treatment Details

12/20/1947	5,000 gal 20% acid in OH section 4350'-4755'
8/13/1982	900 gal 15% NE HCl 4700'-4755'

Other in Hole

3/24/1988	Cement retainer set @ 4300'

Cement Plugs

4300'-4755'	160 sx class C neat through 4300' retainer into OH
2406'-2600'	20 sx class C plug (calc). Assume 1.32 cu ft/sx
1356'-1550'	20 sx class C plug (calc). Assume 1.32 cu ft/sx
0'-97'	10 sx plug circulated to surface. Assume 1.32 cu ft/sx

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S		
LAND OFFICE		
OPERATOR		

API No. 30-025-02150

5a. Indicate Type of Lease: State [X] Fee [ ]

5. State Oil & Gas Lease No: B-4118

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.)

11. OIL WELL [X] GAS WELL [ ] OTHER

7. Unit Agreement Name:

12. Name of Operator: Phillips Petroleum Company

8. Farm or Lease Name: Lea

13. Address of Operator: 4001 Penbrook Street, Odessa, Texas 79762

9. Well No: 20

14. Location of Well: UNIT LETTER O, 660 FEET FROM THE South LINE AND 1980 FEET FROM THE East LINE, SECTION 30 TOWNSHIP 17-S RANGE 34-E NMPM

10. Field and Pool, or Wildcat: Vacuum GB/SA

15. Elevation (Show whether DF, RT, GR, etc.): 4085' CHF

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]		COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	CHANGE PLANS [ ]	CASING TEST AND CEMENT JOB [ ]	
OTHER [ ]		OTHER [ ]	

17. 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

3-23-88: 4755' PTD. MI & RU DDU. POOH & LD rods and pump. ND wellhead and NU BOP. POOH w/ 2-3/8" tbg.

3-24-88: WIH w/ cmt retainer, set @ 4300'. Sqz'd 160 sx Class "C" neat by 700 psi. Pulled out of hole, displaced hole w/ 9.5# mud laden fluid. POOH to 2600', spotted 20 sx Class "C" neat 2600'-2500'. POOH to 1550', spotted 20 sx Class "C" neat 1550'-1450'. Spotted 10 sx Class "C" neat. Circ. to surface. ND BOP, cut off wellhead, installed dry hole marker, cut off deadmen. Job complete.

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

SIGNED W. J. Mueller TITLE Engineering Supervisor, Resv. DATE 3/25/88

APPROVED BY Kyle F. Turnbull TITLE OIL & GAS INSPECTOR DATE JAN 24 1989

CONDITIONS OF APPROVAL, IF ANY:

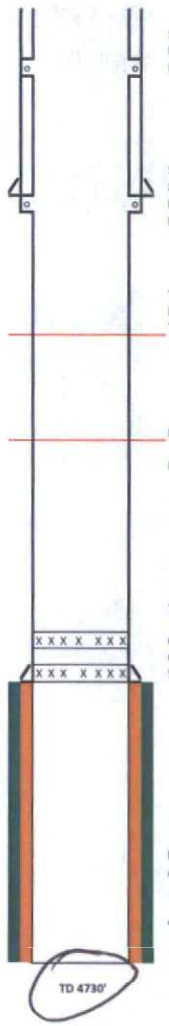
E

Well Name:	LEA-STATE #3

	Location:
Location	660' FNL, 1980' FEL
Section:	531-T17S-R34E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.7967224868142,-103.597883570516
Field:	VACUUM (GRAYBURG-SAN ANDRES)
	Elevations:
GL:	4,085'
DF:	4,096'
KB-GL Calc:	13.15'
ck w/log?	

Date	
5/12/1948	Spud well.
5/17/1948	Ran 52 jts. 1519.17', 8-5/8" OD 24# Grade C casing, set @ 1515.35', cemented w/600 sx 3% gel and 200 sx common. Plug 1483'. Cement circulated to surface. Tested O.K. before and after drilling.
6/4/1948	Ran 140 joints, 4485' of 5-1/2" OD 15.5# casing, set at 4495', cemented with 800 sacks 3% Howcogel and 200 sacks common. Pumped plug to 4465'. Temperature survey shows TOC @ 1625'.
7/19/1948 - 7/29/1948	Acidized well with 10,000 gal 15% Acid from 4500'-4730' in 4 stages.
8/30/1948	Well put on production.
5/30/2007	RU cementer and set CIBP @ 4445'. Pumped 85 bbls mud, no circulation. Pumped 25 sx C cmt @ 4445'. No returns, suspect CIBP not holding.
5/31/2007	RIH w/ sandline, no tag. Called NMOCD, Maxie Brown, ok'd CIBP. RIH w/ HM tbg-set CIBP to 4391'. RU cementer and set CIBP @ 4391'. Circulated hole w/ mud, pumped 25 sx C cmt 4391-4144'. Pumped 25 sx C cmt 2603-2356'. Pumped 25 sx C cmt 1906'-1658'. POOH w/tubing. RIH w/ wireline and eprforated @ 1565'. POOH w/ wireline. RIH w/ packer to 1270'. Loaded hole, set packer, established rate of 2.5 BPM @ 400 psi w/ circulation. Squeezed 50 sx C cmt w/2% CaCl2 @ 1565'. WOC. RIH w/ wireline and tagged cmt @ 1435'. PUH to 400' and perforate casing. POOH. Squeezed 125 sx C cmt @ 400', circulating cmt in 5-1/2"x8-5/8" annulus. Released packer and circulated cmt to surface. Cut wellhead and anchors, installed dry hole marker, backfilled cellar.

Current Wellbore Diagram



Well Name:	LEA-STATE #3
API No:	30-025-02158
Spud Date:	5/12/1948
WBD Update:	3/26/2015 M. Reginato

Hole Size:	11"
Surf Csg:	8 5/8" 24#
Cement Blend:	800 sx (600 sx 3% gel + 200 sx common)
Depth:	1515'
TOC:	Surface (Circulated)

Hole Size:	7 7/8"
Prod Csg:	5 1/2" 15.5#
Cement Blend:	1000 sx (800 sx 3% Howcogel + 200 sx common)
Depth	4495'
TOC:	1625' (Temperature Survey)

Details of Perforations

5/31/2007	Perf squeeze hole @ 1565'
5/31/2007	Perf squeeze hole @ 400'

Acid or Fracture Treatment Details

7/19/1948	1,000 gal 15% Acid 4630'-4730'
7/22/1948	1,000 gal 15% Acid 4500'-4630'
7/24/1948	3,000 gal 15% Acid 4500'-4630'
7/29/1948	5,000 gal 15% Acid 4630'-4730'
10/27/1962	Frac open hole w/30,000 gal refined oil + 90,000# sand

Other In Hole

5/30/2007	CIBP set @ 4445' and 25 sx C cmt did not hold.
5/31/2007	CIBP set @ 4391'

Cement Plugs

4144'-4391'	25 sx class C on top of CIBP (tagged)
2356'-2603'	25 sx class C (tagged)
1658'-1906'	25 sx class C (tagged)
1435'-1565'	50 sx class C w/2% CaCl2 squeeze (tagged)
0'-400'	125 sx class C squeeze (circulated)
0'-400'	Circulated cement to surface

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

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

Form C-103
May 27, 2004

WELL API NO. **30-025-02158**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. **B-4118**

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 **Lea**

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

8. Well Number **003**

2. Name of Operator **ConocoPhillips Company ATTN: Celeste Dale**

9. OGRID Number **217817**

3. Address of Operator **3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406**

10. Pool name or Wildcat **Vacuum Grayburg San Andres**

4. Well Location
Unit Letter **B** : **660** feet from the **North** line and **1,980** feet from the **East** line
Section **31** Township **17-S** Range **34-E** NMPM County **Lea**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **4,085' GR 4,098' RKB**

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type **STEEL** Depth to Groundwater ____ Distance from nearest fresh water well ____ Distance from nearest surface water **N/A**

Pit Liner Thickness: **STEEL** mil Below-Grade Tank: Volume **180** bbls; Construction Material **STEEL**

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

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.

SEE ATTACHED PLUGGED WELLBORE DIAGRAM

05/30/07 Wednesday MIRU Triple N rig #23 and plugging equipment. Held safety meeting. Set steel pit. NU BOP. POOH w/ RBP. RIH w/ 5½" HM tbg-set CIBP to 4,445'. RU cementer and set CIBP @ 4,445'. Pumped 85 bbls mud, no circulation. Pumped 25 sx C cmt @ 4,445'. No returns, suspect CIBP not holding. POOH w/ tubing. SDFN, will tag in a.m.

05/31/07 Thursday Held safety meeting. RIH w/ sandline, no tag. Called NMOCD, Maxie Brown, ok'd CIBP. RIH w/ HM tbg-set CIBP to 4,391'. RU cementer and set CIBP @ 4,391'. Circulated hole w/ mud, pumped 25 sx C cmt 4,391 – 4,144'. Pumped 25 sx C cmt 2,603 – 2,356'. Pumped 25 sx C cmt 1,906 – 1,658'. POOH w/ tubing. RIH w/ wireline and perforated @ 1,565'. POOH w/ wireline. RIH w/ packer to 1,270'. Loaded hole, set packer, established rate of 2½ BPM @ 400 psi w/ circulation. Squeezed 50 sx C cmt w/ 2% $CaCl_2$ @ 1,565'. WOC. RIH w/ wireline and tagged cmt @1,435'. PUH to 400' and perforated casing, POOH w/ wireline. ND BOP. RIH w/ packer to 31'. Loaded hole, set packer, and established rate of 2 BPM @ 300 psi. Squeezed 125 sx C cmt @ 400', circulating cmt in 5½ x 8¾" annulus. Released packer and circulated cmt to surface. POOH w/ packer. RDMO.

Cut wellhead & anchors, installed dry hole marker, backfilled cellar.

Approved as to plugging of the Well Bore.
Liability under bond is retained until surface restoration is completed.

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 _____ TITLE **James F. Newman, P.E. (Triple N Services)** DATE **06/01/07**

Type or print name E-mail address: **jim@triplenservices.com** Telephone No. **432-687-1994**

For State Use Only

APPROVED BY: Gary W. Wink **DISTRICT REPRESENTATIVE II/STAFF MANAGER** DATE JUN 12 2007

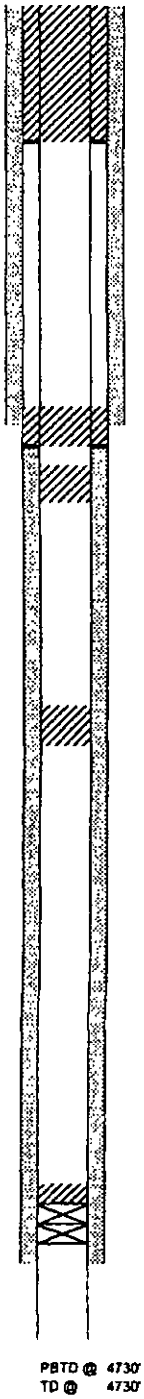
Conditions of Approval (if any):

PLUGGED WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU/Odessa

Date: June 1, 2007

RKB @ 4098.3'
DF @ 4096.0'
GL @ 4085.15'



Casing leak @ 17'

Perf/sqz 125 sx C cmt 400' to surface

11" Hole

8-5/8" 24# Csg @ 1615.35' cmt'd w/ 600 sx, circ.

Perf/sqz 50 sx C cmt 1,565 - 1,435' TAGGED
TOC 5-1/2" Csg @ 1625' (T.S.)

25 sx C cmt 1,906 - 1,658'

Top Salt @ 2013'

Base Salt @ 2509'

25 sx C cmt 2,603 - 2,356'

7-7/8" Hole

Circulated plugging mud

25 sx C cmt 4,391 - 4,144'

Set CIBP @ 4,391'

Set CIBP @ 4,445' (did not hold)

5-1/2" 14# J-55 @ 4496.3' cmt'd w/ 1,000 sx, TOC 1,625' by T.S.

4-3/4" Hole
Openhole 4495'-4730'

PBTD @ 4730'
TD @ 4730'

Subarea:	Buckeye
Lease & Well No.:	Lea No. 3
Legal Description:	660' FNL & 1980' FEL, Sec. 31, T-17-S, R-34-E
County:	Lea State: New Mexico
Field:	Vacuum (Grayburg-San Andres)
Date Spudded:	5/12/48 Rig Released: 6/5/48
API Number:	30-025-02158
Status:	PLUGGED 05/31/07
	State Lease No. B-4118

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
		DRILLED WITH CABLE TOOLS FROM 4495' - 4730'						
4630-4730	7/19/48	15% Acid	1,000					
4500-4630	7/22/48	15% Acid	1,000					
4500-4630	7/24/48	15% Acid	3,000					
4630-4730	7/29/48	15% Acid	5,000					
4495-4730	10/27/52	Refined Oil (RO)	30,000	90,000	6000	4500		
	12/19/2006	Set RBP @ 4417' Casing leak @ 17'						
	12/27/06	Set RBP @ 63'						

TRIPLE N SERVICES INC
MIDLAND TX

PLUGS SET 05/30/07- 05/31/07

1) Set CIBP @ 4,445', (did not hold)
2) Set CIBP @ 4,391', circulated plugging mud
3) 25 sx C cmt 4,391 - 4,144'
4) 25 sx C cmt 2,603 - 2,356'
5) 25 sx C cmt 1,906 - 1,658'
6) Perf/sqz 50 sx C cmt 1,565 - 1,435' TAGGED
7) Perf/sqz 125 sx C cmt 400' to surface

Capacities

5½" 15.5# csg.	7.485	ft/ft3	0.1336	ft3/ft
8¾"openhole	2.395	ft/ft3	0.4176	ft3/ft
7" 20# csg	4.400	ft/ft3	0.2273	ft3/ft
8⅝" 24# csg	2.797	ft/ft3	0.3575	ft3/ft
13⅜" 61# csg	1.711	ft/ft3	0.8542	ft3/ft

FORMATION TOPS:

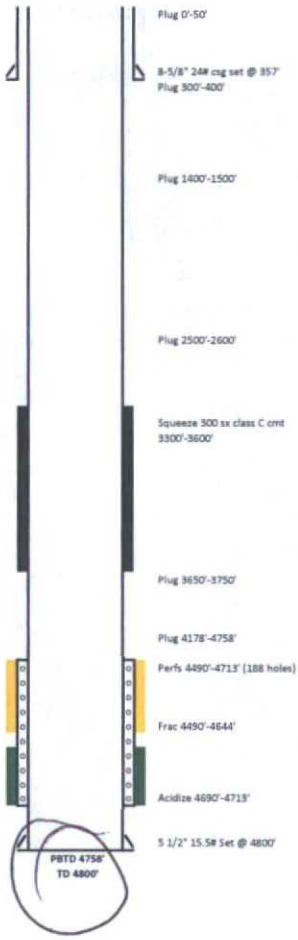
Top Salt	2013'
Base Salt	2509'
Queen	3843'
Grayburg	4212'
San Andres	4630'

Well Name:	LEA #32

	Location:
Location	660' FSL, 1980 FWL
Section:	530-T17S-R34E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.80034089706,-103.60159023148
Field:	VACUUM (GRAYBURG-SAN ANDRES)
	Elevations:
GL:	4,085'
DF:	
KB-GL Calc:	11'
ck w/log?	

Date	
12/4/1983	Spud well. Set & cmt csg.
3/28/1984	Perf'd 5-1/2" csg. w/3-3/8" OD gun 2 JSPF @ 4490'-4500'; 4508'-16'; 4522'-38'; 4542'-52'; 4570'-74'; 4604'-24'; 4630'-34'; 4640'-44'; 4690'-4702'; 4707'-13' (94', 188 holes). Acidized w/4,000 gal 15% NEFE HCL w/stablizers + 20 BS 4690'-4713'. Frac'd w/60,000 gal refined oil + 56,000# 20/40 + 24,000# 10/20 sand.
12/2/1984-12/13/1984	Csg leaks from 3300'-3600'. Dumped 2 sx sand on RBP @ 4471'. Ran cmt retainer to 3200' & set. Pumped 1,000 gal Flochek, 300 sx class C w/2% CaCl2. Drilled out cmt. Pumped well 24 hrs. Casing collapsed.
3/26/1985	Milled collapsed casing 3860'-3872'. Fell thru collapse - pulled 2 stds tbg - circ clean.
3/28/1985	Pumped 10 BFW & 45 sx class C neat cmt @ 4758'. TOC @ 4178' (tagged). Well to be used as Vacuum Field water flow observation/depressurization well.
3/22/1988	Set retainer @3750' for P&A
3/23/1988	Circ hole w/9.5# mud laden fluid, spt'd 20 sx class C from 3750'-3650'. Spt'd 20 sx C neat from 2600'-2500'; sptd 20 sx C neat from 1500'-1400'; 20 sx neat 400'-300'. Rec'd approval from R. Smith not to tag plug. 10 sx C neat 50' to surface. ND BOP, cut off wellhead and installed dry hole marker. Job complete.

Current
Wellbore Diagram



Well Name:	LEA #32
API No:	30-025-28439
Spud Date:	12/4/1983
WBD Update:	3/26/2015 M. Reginato

Hole Size:	12-1/4"
Surf Csg:	8-5/8" 24#
Cement Blend:	400sx class C + 2% CaCl2 + 1/4# /sx celloflake
Depth:	357'
TOC:	Surface (circulated)

Hole Size:	7-7/8"
Prod Csg:	4-1/2" 11.6#
Cement Blend:	900 sx TLW, 10% DD, 1/4#/sx cellophane, 3#/sx gil, 12#/sx salt, 400 sx Cl C. Then pumped 400 sx cl C thru bradenhead to surface.
Depth	4800'
TOC:	1033'. 0'-1033' from surface pump. Calculated assuming 1.32 cu ft/sx and 50% fillup. Entire production casing annulus filled with cement.

Details of Perforations

3/28/1984	4490'-4500'
3/28/1984	4508'-16'
3/28/1984	4522'-38'
3/28/1984	4542'-52'
3/28/1984	4570'-74'
3/28/1984	4604'-24'
3/28/1984	4630'-34'
3/28/1984	4640'-44'
3/28/1984	4690'-4702'
3/28/1984	4707'-13'

Acid or Fracture Treatment Details

3/28/1984	4,000 gal 15% NEFE HCL w/stabilizers + 20 BS 4690'-4713'
3/28/1984	Frac w/60,000 gal refined oil + 56,000# 20/40 + 24,000# 10/20 sand 4490'-4644'

Other In Hole

Cement Plugs

3650'-3750'	20 sx class C neat. Estimated and approved by OCD.
2500'-2600'	20 sx class C neat. Estimated and approved by OCD.
1400'-1500'	20 sx class C neat. Estimated and approved by OCD.
300'-400'	20 sx class C neat. Estimated and approved by OCD.
0'-50'	10 sx class C neat. Estimated and approved by OCD.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMEN

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OIL CONSERVATION DIVISION

P O BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

5a. Indicate Type of Lease: State [X] Fee [ ]

API No. 30-025-28439

5. State Oil & Gas Lease No.: B-4118

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.)

11. OIL WELL [X] GAS WELL [ ] OTHER

7. Unit Agreement Name:

12. Name of Operator: Phillips Petroleum Company

8. Farm or Lease Name: Lea

13. Address of Operator: 4001 Penbrook Street, Odessa, Texas 79762

9. Well No.: 32

14. Location of Well

UNIT LETTER N . 660 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE, SECTION 30 TOWNSHIP 17-S RANGE 34-E NMPM

10. Field and Pool, or Wildcat: Vacuum GB/SA

15. Elevation (Show whether DF, RT, GR, etc.): 4083' CHF

12. County: Lea

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]			COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[X]
PULL OR ALTER CASING	[ ]	CHANGE PLANS	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER			[ ]	OTHER			[ ]

17. 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

3-21-88: 4178' PTD. MI & RU. Diamond DDU. NU BOP & release pkr. POOH w/ 2-3/8" tbg and pkr.

3-22-88: WIH w/ cmt retainer to 3750', tried to establish injection rate. Pressured up to 3000 psi. Notified R. Smith/NMOCD for approval to spt cmt on top of cmt retainer.

3-23-88: Circ. hole w/ 9.5# mud laden fluid, spt'd 20 sx Class "C" neat from 3750'-3650', spt'd 20 sx "C" neat from 2600'-2500'; spt'd 20 sx "C" neat from 1500'-1400'. Spt'd 20 sx "C" neat from 400'-300'. Rec'd approval from R. Smith not to tag plug. Spt'd 10 sx "C" neat 50' to surface. ND BOP, cut off wellhead and installed dry hole marker. Job complete.

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

SIGNED W. J. Mueller TITLE Engineering Supervisor, Resv. DATE 3/25/88

APPROVED BY Leslie A. Clements TITLE OIL & GAS INSPECTOR DATE JAN 24 1989

CONDITIONS OF APPROVAL, IF ANY:

E

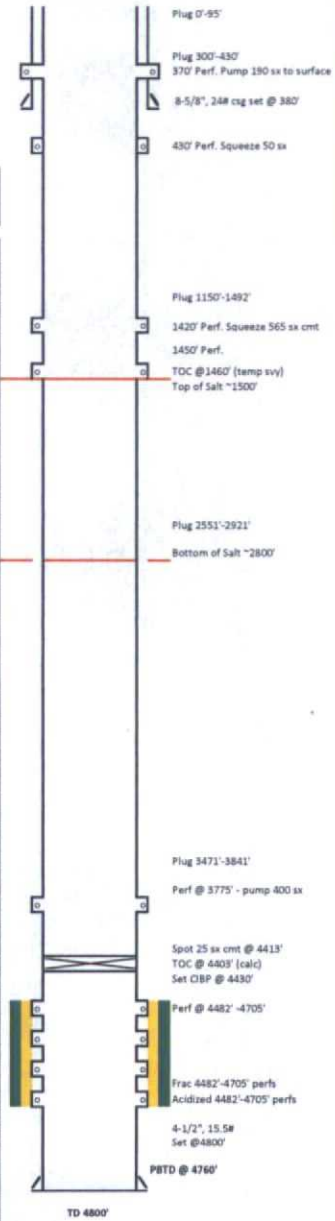
Well Name:	Lea # 33

	Location:
Location	1980 FSL & 660 FWL
Section:	530-T17S-R34E
Block:	
Survey:	
County:	Lea
Lat/Long:	32.8039586415171,-103.605911851323
Field:	Vacuum Grayburg/ SA
	Elevations:
GL:	4093'
DF:	
KB-GL Calc:	4104'
ck w/log?	

Logging Requirements:

Date	
11/12/1985	Spud well. Drilled 12 1/4" hole to 380'. Ran 8-5/8" csg to 380' and cemented w/400 class C sx cmt w/ 2% CaCL2 and circ cmt to surf.
11/20/1985	Drilled 7-7/8" hole to TD@ 4800'. Ran 4-1/2" csg to 4800'. Cmt'd w/2400 sx class H cmt. TOC @1460' by temp. survey. PBTD @4760'.
12/2/1985	Perf 4482'-4705' w/72 holes
	Acidized perfs 4482-4705' w/1500 gals 15% NEFE HCL & 2250 gals 7.5% NEFE HCL. Frac'd w/ 45, 000 gals gelled 2% KCL wtr w/ 81,000# 20/40 mesh sand
1/9/1986	Perf @ 3775', set cmt ret at 3675'.
1/10/1986	Pump 400 sx class C w/ 2% CaCL2 into perfs @ 3775'. Pull out of retainer and dump 6 sx on top.
	Perf @ 1420', could not establish circulation. Pump 565 sx class C w/ 2% CaCL2 and cmt displaced
	150' below packer. Still had water flow at surface, tried to establish down 8-5/8" x 4 1/2" annulus
	could not pump into. SD WOC
1/13/1986	Tagged cmt @ 1241', Perf @ 370', could not establish circulation. Pump 150 sx class C cmt w/ 2%
	CaCL2 and circulated to surface, Sqz 40 sx cmt into formation.
1/14/1986	WOC
1/15/1986	Tag'd cmt @ 310'. Drilled out cmt @ 380'
1/16/1986	Drilled cmt from 1380' - 1435'
1/19/1986	Drill cmt and cmt retainer to 3810' and dropped out of cmt @ 3810'
4/23/2001	Set 4-1/2" CIBP @ 4430' (MIT Test)
7/2/2007	Pump 25 sx cmt from 4413 - 4403'. Pump 25 sx C cmt rom 3841' - 3471'. Pump 25 sx C cmt from 2921 -
	2551'. Perf @ 1450' and unable to establish rate into perfs. Pump 25 sx cmt from 1492' - 1122'.
	TAG cmt @ 1150'. Perf @ 430' and sqz 50 sx class C cmt w/ 2% CaCL2. TAG cmt @ 300'
	Pump 15 sx C cmt from 95' to surface.

Current
Wellbore Diagram



Well Name:	Lea # 33
API No:	30-025-29111
Spud Date:	1/12/1985
WBD Update:	3/26/2015 D. Nguyen

Hole Size:	12 1/4"
Surf Csg:	8 5/8", 24#
Cement Blend:	400 sx
Depth:	380'
TOC:	Cmt to surf

Hole Size:	7 7/8
Prod Csg:	4-1/2, 15.5#
Capacity (bbl/ft):	
Cement Blend:	2400 sx
Returns:	
TOC:	1460' (temp svy)
Depth	4800'

Details of Perforations

12/3/1985	4482' - 4705' 72 holes
1/13/1986	3775' w/ 4 spf (Repairing water flow)
1/13/1986	1420'
1/14/1986	370'
7/2/2007	1450'
7/2/2007	430'

Acid or Fracture Treatment Details

12/2/1985	Acidized perfs 4482-4705' w/1500 gals 15% NEFE HCL & 2250 gals 7.5% NEFE HCL
12/2/1985	Frac'd w/ 45, 000 gals gelled 2% KCL wtr w/ 81,000# 20/40 mesh sand

Cement Plugs

3471'-3841'	25 sx plug (calc)
2551'-2921'	25 sx plug (calc)
1150'-1492'	25 sx plug (tagged)
300'-430'	50 sx squeeze (tagged)
0-95'	15 sx class C surface plug

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

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

Form C-103
May 27, 2004

WELL API NO.	**30-025-29111**
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	**B-4118**
7. Lease Name or Unit Agreement Name	**Lea**
8. Well Number	**33**
9. OGRID Number	**217817**
10. Pool name or Wildcat	**Vacuum Grayburg San Andres**

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

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

2. Name of Operator
ConocoPhillips Company ATTN: Celeste Dale

3. Address of Operator
3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406

4. Well Location
Unit Letter ___L___ : ___1,980_ feet from the ___South_____ line and __660___ feet from the ____West_____ line
Section 30 Township 17-S Range 34-E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4,104' RKB 4,093' GR

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type __STEEL_____ Depth to Groundwater_____ Distance from nearest fresh water well___ Distance from nearest surface water __N/A_____

Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume ___180_____ bbls; Construction Material _____STEEL_____

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

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.

SEE ATTACHED PLUGGED WELLBORE DIAGRAM

06/29/07 Friday MIRU Triple N rig #26. Dug out wellhead, set steel pit. ND wellhead, NU BOP. RIH w/ 2⅛" workstring, tagged PBTD @ 4,430'. SI well, SD for weekend.

07/02/07 Monday RU cementer and circulated well w/ mud, pumped 25 sx C cmt 4,413 – 4,043'. POOH w/ tubing to 3,841' and pumped 25 sx C cmt 3,841 – 3,471'. POOH w/ tubing to 2,921' and pumped 25 sx C cmt 2,921 – 2,551'. POOH w/ tubing. RIH w/ wireline and perforated casing @ 1,450', POOH w/ wireline. RIH w/ packer to 1,143'. Loaded hole and set packer. Pressured up to 1,800 psi, unable to establish rate into perforations. RIH w/ tubing to 1,495' and pumped 25 sx C cmt 1,492 – 1,122'. POOH w/ tubing and WOC. Tagged cmt @ 1,150'. PUH to 430' and perforated casing, POOH w /wireline. RIH w/ packer to 317'. Established rate of 3 BPM @ 400 psi and squeezed 50 sx C cmt w/ 2% $CaCl_2$ @ 430'. WOC and tagged cmt @ 300'. POOH w/ wireline. ND BOP. RIH to 95' and pumped 15 sx C cmt 95' to surface. POOH w/ tubing. RD.

Cut off wellhead & anchors, installed dry hole marker, backfilled cellar.

Approved as to plugging of the Well Bore. Liability under bond is retained until surface restoration is completed.

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 _____ TITLE **James F. Newman, P.E. (Triple N Services)** DATE **07/03/07**

Type or print name E-mail address: **jim@triplenservices.com** Telephone No. **432-687-1994**

For State Use Only

APPROVED BY: Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUL 09 2007

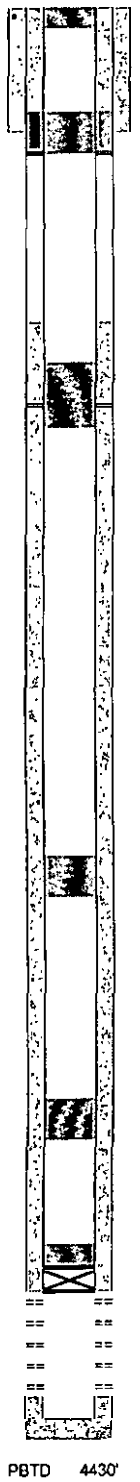
Conditions of Approval (if any):

PLUGGED WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date July 3, 2007

RBM @ 4104'
DF @ 4103'
GL @ 4093'



Lease & Well No: Lea 33
Legal Description: 1980' FSL & 660' FWL, Unit Letter L, Sec. 30, T17S, R34E

County: Lea State: New Mexico
Field: Vacuum (Grayburg/San Andres)
Date Spudded: 11/12/85 Rig Released: 11/23/85
API Number: 30-025-29111
Status: PLUGGED 07/02/07 State Lease B-4118

Bradenhead - Sqz 40 sx
12-1/4" Hole
15 sx C cmt 95' to surface

370' - Sqz w/150 sx (Tstd to 500#)
8-5/8" 24# K-55 ST&C @ 380' cmt'd w/ 400 sx, circ.

Perf & Sqz 50 sx 430 - 300' TAGGED

1420' - Sqz'd w/565 sx cmt (tstd to 500#)
TOC 4-1/2" Csg @ 1460' (T.S.)
25 sx 1,492 - 1,150' TAGGED
Perforated @ 1,450', unable to establish rate @ 1,800 psi
Top Salt @ ~1,500' est

Base Salt @ ~2,800' est.
25 sx C cmt 2,921 - 2,551

3775' - Sqz'd w/400 sx (tstd to 500#)
DV Tool @ 3800'
ECP @ 3804'
25 sx C cmt 3,841 - 3,471'

circulated plugging mud from PBTD
25 sx C cmt 4,413 - 4,043'
4-1/2" CIBP @ 4430'

4482' - 4705' -- 72 holes

7-7/8" Hole
4-1/2" 11.6# K-55 LT&C @ 4800'
Cmt'd w/550 sx - Stage 1
w/1850 sx - Stage 2, did not circ
TOC @ 1460' (T.S.)

PBTD 4430'
TD 4800'

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	12/3/85	Perforate 4482-4705, 72 holes						
4482-4705	12/4/85	7-1/2% NEFE HCl	2,250	BS	4700	1700	4	0
4482-4705	12/6/85	Gelled 2% KCl	45,000	81,000	7920	2340	20	1
	1/13/86	*Squeeze water flow - sqz 4 jspf @ 3775', retainer set @ 3675', pump 400 sx, dump 6 sx on retainer*						
		Perf casing @ 1420' - pump 565 sx cement						
	1/14/86	*Perf casing at 370' - pump 150 sx cement*						
		Shut bradenhead and squeeze 40 sacks cement						
	1/16/86	Drillout cement and retainer and cleanout to 4736'						
	4/23/01	*Set 4-1/2" CIBP @ 4430'*						
		Test to 540#, OK						

TRIPLE N SERVICES INC
MIDLAND TX

PLUGS SET 06/29/07 - 07/02/07

1) circulated plugging mud from PBTD
2) 25 sx C cmt 4,413 - 4,043'
3) 25 sx C cmt 3,841 - 3,471'
4) 25 sx C cmt 2,921 - 2,551
5) 25 sx 1,492 - 1,150' TAGGED
6) Perf & Sqz 50 sx 430 - 300' TAGGED
7) 15 sx C cmt 95' to surface

Capacities

4½" 11 6# csg	11 468	ft/ft3	0 0872 ft3/ft
7⅞"openhole	2 9565	ft/ft3	0 3382 ft3/ft
7" 20# csg	4 3995	ft/ft3	0 2273 ft3/ft
8⅝" 24# csg	2 797	ft/ft3	0 3575 ft3/ft
13⅜" 61# csg	1.711	ft/ft3	0 8542 ft3/ft

NOTE: Encountered water flow @ 4360' while drilling
Unable to shut off

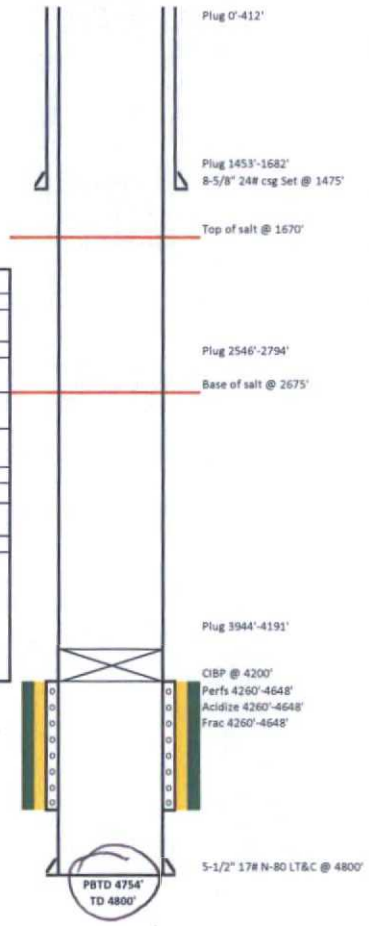
Formation Tops:
Rustler
Yates
Queen
Grayburg
San Andres

Well Name:	LEAMEX #43

	Location:
Location	660' FSL, 660' FEL
Section:	S25-T17S-R33E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.8003193465345,-103.610223434968
Field:	MALJAMAR (GRAYBURG-SAN ANDRES)
	Elevations:
GL:	4,099'
DF:	4,107'
KB-GL Calc:	9'
ck w/log?	

Date	
2/12/1988	Spud well.
2/14/1988	Set 8-5/8" surface casing and cemented.
2/23/1988	TD @ 4800'. Set & cement production casing.
3/1/1988	Perfs: 4260-62'; 4291-94'; 4350-54'; 4395-4400'; 4417-19'; 4475-79'; 4511-15'; 4528-30'; 4542-46'; 4556-60'; 4565-67'; 4572-74'; 4622-24'; 4629-32'; 4638-48'. 106 holes, 53' total.
3/2/1988	Acidized perfs w/5,300 gal 15% NEFE HCl containing fines suspension agen and clay stabilizer.
3/4/1988	Frac'd perfs w/60,000 gal gelled crosslinked 2% KCl water + 118,000# 20/40 mesh sand.
8/5/1994	POOH with sucker pump and rods. POOH tubing. WIH with 5-1/2" CIBP @ 4200'. Well TA
4/25/2007	Pump 25 sx class C cmt 4191'-3944'. 25 sx class C cmt 2794'-2546'. 25 sx class C w/2% CaCl2 cmt 1453'-1682' (tagged). Circulated 40 sx class C cmt 412'-surface. Cut off wellhead & anchors, installed dry hole marker. Backfilled cellar. Job complete.

Current
Wellbore Diagram



Well Name:	LEAMEX #43
API No:	30-025-30096
Spud Date:	2/12/1988
WBD Update:	3/26/2015 M. Reginato

Hole Size:	12-1/4"
Surf Csg:	8 5/8" 24# K-55 ST&C
Cement Blend:	1,000 sx
Depth:	1475'
TOC:	Surface (Circulated)

Hole Size:	7 7/8"
Prod Csg:	5 1/2" 17# N-80 LT&C
Cement Blend:	2,500 sx
Depth	4800
TOC:	Surface (Circulated)

Details of Perforations

3/2/1988	Perforate 4260'-4648', 2SPF

Acid or Fracture Treatment Details

3/2/1988	5,300 gal 15% NEFE HCl 4260'-4648'
3/4/1988	60,000 gal x-link frac + 118,000# sand 4260'-4648'

Other In Hole

8/5/1994	CIBP set @ 4200'

Cement Plugs

3944'-4191'	25 sx class C (calc)
2546'-2794'	25 sx class C (calc)
1453'-1682'	25 sx class C (tagged)
0'-412'	40 sx class C to surface

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

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

Form C-103
May 27, 2004

WELL API NO. **30-025-30096**

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. **B-2148**

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 **Leamex**

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

8. Well Number **43**

2. Name of Operator **ConocoPhillips Company ATTN: Celeste Dale**

9. OGRID Number **217817**

3. Address of Operator **3303 N. "A" Street, Bldg. 6 #247, Midland, Texas 79705-5406**

10. Pool name or Wildcat **Maljamar / Grayburg San Andres**

4. Well Location
Unit Letter P : 660 feet from the South line and 660 feet from the East line
Section 25 Township 17-S Range 33-E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4,099' GR 4,108' RKB

Pit or Below-grade Tank Application ☐ or Closure ☒

Pit type STEEL Depth to Groundwater ____ Distance from nearest fresh water well ____ Distance from nearest surface water N/A

Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Construction Material STEEL

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☒
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER:	☐			OTHER:			☐

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.

SEE ATTACHED PLUGGED WELLBORE DIAGRAM

04/25/07 Wednesday

Notified NMOCD. MIRU Triple N rig #23 and plugging equipment. Held safety meeting. ND wellhead, NU BOP. RIH w/ 132 jts 2⅜" tubing, tagged PBTD @ 4,191'. RU cementer and circulated hole w/ mud, pumped 25 sx C cmt 4,191 – 3,944'. POOH w/ tubing to 2,794' and pumped 25 sx C cmt 2,794 – 2,546'. POOH w/ tubing to 1,682' and pumped 25 sx C cmt w/ 2% $CaCl_2$ @ 1,682'. POOH w/ tubing and WOC. RIH w/ sandline and tagged cmt @ 1,453', POOH w/ sandline. ND BOP and RIH w/ tubing to 412'. Circulated 40 sx C cmt 412 - 16'. POOH w/ tubing and topped wellbore w/ cmt. RDMO to Leamex #48.

Cut off wellhead & anchors, installed dry hole marker. Backfilled cellar

Approved as to plugging of the Well Bore. Liability under bond is retained until surface restoration is completed.

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 _____ TITLE James F. Newman, P.E. (Triple N Services) DATE 04/30/07

Type or print name E-mail address: jim@triplenservices.com Telephone No. 432-687-1994

For State Use Only

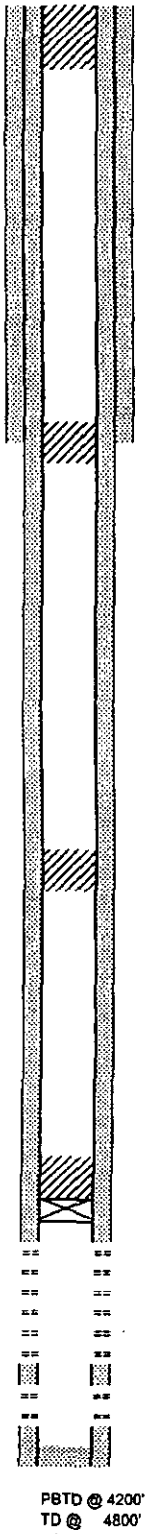
APPROVED BY: Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE MAY 16 2007

Conditions of Approval (if any):

PLUGGED WELLBORE SKETCH
ConocoPhillips Company -- Lower 48 - Mid-Continent BU/Odessa

Date: April 30, 2007

RKB @ 4108'
DF @ 4107'
GL @ 4099'



Subarea : Buckeye
Lease & Well No. : Leamex No. 43
Legal Description : 660' FSL & 660' FEL, Sec. 25, T17S, R33E
County : Lea State : New Mexico
Field : *Maljamar (Grayburg-San Andres)*
Date Spudded : Feb. 12, 1988 Rig Released: Feb. 25, 1988
API Number : 30-025-30096
Status: **PLUGGED 04/25/07**
State Lease No. B-2148

40 sx C cmt 412' to surface, circulated cmt

12-1/4" Hole

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate	Down
	3/2/88	**Perforate 4260-4648, 2 spf (select fire)**						
4260-4648	3/3/88	15% NEFE HCl	5,300		4200	2600	4.0	
4260-4648	3/5/88	X-Link Frac	60,000	118,000	4600	4600	30.0	
	8/5/94	***Set 5-1/2" CIBP @ 4200'***						

8-5/8" 24# K-55 ST&C @ 1475'
Cmt'd w/1000 sx, circ 175 sx
TOC @ Surface
Top Salt @ 1670'
25 sx C cmt 1,682 - 1,453' TAGGED

TRIPLE N SERVICES INC
MIDLAND, TX

PLUGS SET 04/25/07

1) circulated plugging mud from PBTD
2) 25 sx C cmt 4,191 - 3,944'
3) 25 sx C cmt 2,794 - 2,546'
4) 25 sx C cmt 1,682 - 1,453' TAGGED
5) 40 sx C cmt 412' to surface, circulated cmt

Capacities

5½" 17# csg:	7.663	ft/ft3	0.1305	ft3/ft
8¾"openhole:	2.3947	ft/ft3	0.4176	ft3/ft
7" 20# csg:	4.3995	ft/ft3	0.2273	ft3/ft
8⅝" 24# csg:	2.797	ft/ft3	0.3575	ft3/ft
13¾" 61# csg:	1.711	ft/ft3	0.8542	ft3/ft

Base Salt @ 2675'

25 sx C cmt 2,794 - 2,546'

circulated plugging mud from PBTD

25 sx C cmt 4,191 - 3,944'

5-1/2" CIBP @ 4200'
Grayburg
4260-4262 4291-4294
4350-4354 4395-4400
4417-4419 4475-4479
4511-4515 4528-4530
4542-4548 4556-4560
4565-4567 4572-4574
San Andres
4622-4624 4629-4632
4638-4648

7-7/8" Hole
5-1/2" 17# N-80 LT&C @ 4800'
Cmt'd w/2500 sx, circ 58 sx
TOC @ Surface

PBTD @ 4200'
TD @ 4800'

FORMATION TOPS:

Top Salt	1670'
Base Salt	2675'
Queen	3827'
Grayburg	4214'
San Andres	4576'

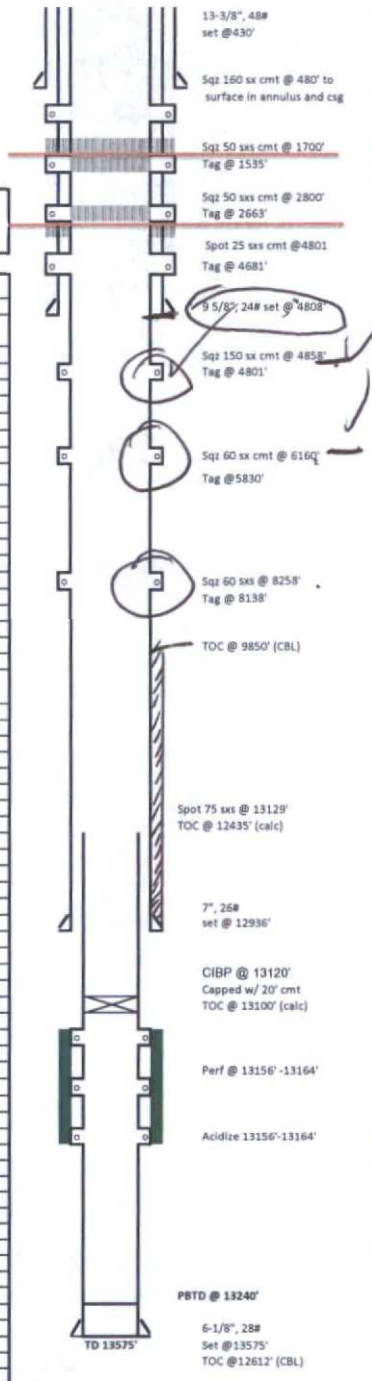
Well Name:	Uncas `31` State #1

	Location:
Location	1980' FNL 1668' FWL
Section:	S-31-17S-34E
Block:	
Survey:	
County:	LEA
Lat/Long:	32.7930821468875,-103.602601306825
Field:	Vacuum-Morrow
	Elevations:
GL:	4,091'
DF:	
KB-GL Calc:	4110'
ck w/log?	

Logging Requirements:

Date	
12/16/2000	Spud well. Drilled 17 1/2" hole to 430'. Ran 13-3/8" csg' and cemented w/400 sx. Ran temp. survey.
	TOC @ 65' below KB. Cemented w/ 100 sxs and circ 15 sxs to reserve pit.
12/17/2000	Drilled 12 1/4" hole to 4808'. Ran 9-5/8" csg and Cmt'd w/2300 sx 35/65 Poz + 250 sxs class "C"
	cmt. Circ 251 sxs to the pit.
1/1/2001	Drilled 8 3/4" hole to 12,950'. Ran 5" liner @ 13,575' and cemented with 650 sx cmt.
1/31/2001	Drilled 6 1/8" hole to TD @ 13,575' and cemented with 170 sx cmt.
3/12/2001	Ran GR/CCL/CBL from 13,240' to top of 5" liner @ 12,612'. TOC behind 7" csg @ 9850' (CBL)
3/12/2001	and TOC behind 5" liner @ 12,612' (CBL)
3/13/2001	Perf @ 13,156' - 13,164'
5/7/2007	Re-perforate @ 13,156' - 13,164'
5/15/2007	Set 5" CIBP @ 13,120'. Cap w/ 20' cement on CIBP, TOC @ 13,100' (calc)
7/12/2007	Spot 75 sx H cmt @ 13129'. TOC @ 12435' (calc). Perf @ 8258'
7/13/2007	Sqz 60 sx H cmt @ 8258' and TAG'd cmt @ 8138'. Perf @ 6160' Sqz 60 sx C cmt @ 6160'
7/16/2007	TAG'd cmt @ 5830'. Perf @ 4858' Sqz 75 sx H cmt w/ 2% CaCL2 @ 4858'. NO TAG
	Sqz 75 sx C cmt @ 4858'
7/17/2007	TAG'd cmt @ 4801', Perf @ 4800' (could not pump into) Pump'd cmt @ 4801' and TAG'd @ 4681'
	Perf @ 2800', Sqz 50 sx C cmt w/ 2% CaCL2 @ 2800', TAG'd cmt @ 2663', Perf @ 1700'
	Sqz 50 sx C cmt @ 1700'
7/18/2007	TAG'd @ 1535'. Perf @ 480' and circulated 160 sx C cmt to surface in
	9 5/8" and circulated cmt to surface inside 7" csg.
	NU WELLHEAD AND ROMO

Current Wellbore Diagram



Well Name:	Uncas `31` State #1
API No:	30-025-35218
Spud Date:	12/15/2000
WBD Update:	3/26/2015 D. Nguyen

Hole Size:	17 1/2"
Surf Csg:	13 3/8" H40, 48#
Cement Blend:	400 sx + 100 sx (top job)
Depth:	430'
TOC:	Cmt to surf (circulated)

Hole Size:	12 1/4"
Int Csg:	9 5/8" J55, 24#
Cement Blend:	2550 sx
Returns:	
TOC:	Cmt to surf (circulated)
Depth:	4808'

Details of Perforations

3/13/2001 and	
5/7/2007	13156 - 13164'
7/12/2007	8258'
7/13/2007	6160'
7/16/2007	4858'
7/17/2007	4800'
7/17/2007	2800'
7/17/2007	1700'
7/18/2007	480'

Acid or Fracture Treatment Details

6/2/2006	1,000 gal 7.5% NEFE HCl + 50,000 gal Nitrogen SCF

Hole Size:	8 3/4"
Prod Csg:	7", N-80 & P-110 26#
Capacity (bbl/ft):	
Cement Blend:	650 sx cmt
Returns:	
TOC:	9850' (CBL) 9850
Depth	12,936'

Hole Size:	6 1/8"
Liner:	5", N-80 28#
Capacity (bbl/ft):	
Cement Blend:	170 sx cmt
Returns:	
TOC:	12,612(CBL)
Depth	13,575'

Daily Activity Report

TRIPLE N SERVICES INC. MIDLAND, TX

CONOCOPHILLIPS COMPANY
UNCAS "31" STATE #1
LEA COUNTY, NEW MEXICO **JOB #5881**

07/11/07 TUESDAY
CONTACTED NMOCD. HELD SAFETY MEETING. MIRU TRIPLE N RIG #26 AND PLUGGING EQUIPMENT. RD, SET STEEL RIG MAT. RU. ND WELLHEAD, NU BOP. RU LAYDOWN/PICKUP MACHINE. SET PIPE RACKS & 2⅞" WORKSTRING TUBING. TALLIED AND RIH W/ 80 JTS OF TUBING. SDFN.
RT: 8:30 – 6:00 9.5 HRS CRT: 9.5 HRS TN COST TODAY: $5,833 TN COST TO DATE: $5,833

07/11/07 WEDNESDAY
HELD SAFETY MEETING. RIH W/ TOTAL 411 JTS WORKSTRING TUBING TO 12,972'. CALLED OUT ADDITIONAL TUBING. CONTINUED IN HOLE AND TAGGED PBTD @ 13,129'. SDFN.
RT: 8:00 – 6:00 10.0 HRS CRT: 19.5 HRS TN TODAY: $4,505 TN TO DATE: $10,338

07/12/07 THURSDAY
HELD SAFETY MEETING. RU CEMENTER AND CIRCULATED HOLE W/ 495 BBLS MUD. PUMPED 75 SX H CMT 13,129 – 12,435'. POOH W/ TUBING. RU LUBRICATOR AND RIH W/ WIRELINE. PERFORATED CASING @ 8,258', POOH W/ WIRELINE, RD LUBRICATOR. SDFN.
RT: 7:30 – 7:00 11.5 HRS CRT: 31.0 HRS TN TODAY: $13,600 TN TO DATE: $23,938

07/13/07 FRIDAY
HELD SAFETY MEETING. RIH W/ 7" AD-1 PACKER TO 1,515'. LOADED HOLE, SET PACKER, ESTABLISHED RATE OF 3.3 BPM @ 600 PSI. RIH W/ PACKER TO 3,030'. SET PACKER, ESTABLISHED RATE OF 2 BPM @ 600 PSI. RIH W/ PACKER TO 7,985'. LOADED HOLE AND SET PACKER. ESTABLISHED RATE OF 2 BPM @ 1,300 PSI W/ CIRCULATION IN 7 X 9⅝". SQUEEZED 60 SX H CMT 8,258 – 8,068'. WOC. RIH W/ WIRELINE AND TAGGED CMT @ 8,138', POOH W/ WIRELINE. PUH W/ PACKER. RIH W/ WIRELINE AND PERFORATED CASING @ 6,160'. POOH W/ WIRELINE. LOADED HOLE AND SET PACKER. ESTABLISHED RATE OF 1½ BPM @ 1,000 PSI. SQUEEZED 60 SX C CMT @ 6,160'. SI WELL, SD FOR WEEKEND.
RT: 7:30 – 5:00 9.5 HRS CRT: 40.5 HRS TN TODAY: $10,093 TN TO DATE: $34,030

07/16/07 MONDAY
HELD SAFETY MEETING. RIH W/ WIRELINE AND TAGGED CMT @ 5,830', POOH W/ WIRELINE. PUH W/ PACKER. RIH W/ WIRELINE, STACKED OUT IN TUBING @ 800', POOH W/ WIRELINE. CHANGED PRIMER CORD & ADDED WEIGHT BAR. RIH W/ WIRELINE, STACKED OUT @ 3,845' IN TUBING. POOH W/ WIRELINE. POOH W/ TUBING. RIH W/ WIRELINE AND PERFORATED CASING @ 4,858', POOH W/ WIRELINE. RIH W/ PACKER TO 4,546'. LOADED HOLE AND SET PACKER. ESTABLISHED RATE OF 2 BPM @ 1,200 PSI, SQUEEZED 75 SX C CMT W/ 2% $CACL_2$ @4,858'. WOC. RIH W/ WIRELINE, NO TAG. POOH W/ WIRELINE. LOADED HOLE & SET PACKER. ESTABLISHED RATE OF 2 BPM @ 1,400 PSI AND SQUEEZED 75 SX C CMT @ 4,858'. SDFN.
RT: 8:30 – 6:00 9.5 HRS CRT: 50.0 HRS TN TODAY: $9,333 TN TO DATE: $43,363

07/17/2007 TUESDAY
HELD SAFETY MEETING. RIH W/ WIRELINE & TAGGED CMT @ 4,801',POOH W/ WIRELINE. CONTACTED NMOCD, BUDDY HILL, ON LOW TAG. RIH W/ WIRELINE & PERFORATED CASING @ 4,800', POOH W/ WIRELINE. LOADED HOLE, SET PACKER, UNABLE TO ESTABLISH RATE INTO PERFORATIONS @ 1,600 PSI. NMOCD, BUDDY HILL OK'D BALANCED PLUG. RIH W/ TUBING TO 4,801' AND PUMPED 25 SX C CMT 4,801 - 4,652'. POOH W/ TUBING AND WOC. RIH W/ WIRELINE & TAGGED CMT @ 4,681'. PUH AND PERFORATED CASING @ 2,800', POOH W/ WIRELINE. LOADED HOLE AND SET PACKER, ESTABLISHED RATE OF 1½ BPM @ 1,500 PSI AND SQUEEZED 50 SX C CMT W/ 2% $CACL_2$ @ 2,800'. WOC AND RIH W/ WIRELINE, TAGGED CMT @ 2,633'. POOH W/ TUBING. RIH W/ WIRELINE AND PERFORATED CASING @ 1,700'. POOH W/ WIRELINE. LOADED HOLE, SET PACKER, AND ESTABLISHED RATE OF 2 BPM @ 1,000 PSI. SQUEEZED 50 SX C CMT @ 1,700'. SI WELL, SDFN.
RT: 7:30 – 7:00 11.5 HRS CRT: 61.5 HRS TN TODAY: $10,597 TN TO DATE: $53,960

Daily Activity Report

TRIPLE N SERVICES INC
MIDLAND, TX

CONOCOPHILLIPS COMPANY
UNCAS "31" STATE #1
LEA COUNTY, NEW MEXICO **JOB #5881**

07/18/2007 WEDNESDAY

HELD SAFETY MEETING. RIH W/ WIRELINE & TAGGED CMT @ 1,535', POOH W/ WIRELINE. POOH W/ PACKER. RIH W/ WIRELINE & PERFORATED CASING @ 480', POOH W/ WIRELINE. RIH W/ PACKER TO 31'. LOADED HOLE & SET PACKER. ESTABLISHED RATE OF 2 BPM @ 1,200 PSI WITH CIRCULATION TO SURFACE IN 7 X 9⅝". POOH W/ PACKER. ND BOP. SET PACKER AT 30' AND CIRCULATED 160 SX C CMT 480' TO SURFACE IN X 9⅝". RELEASED PACKER AND CIRCULATED CMT TO SURFACE INSIDE 7" CASING. POOH W/ PACKER. NU WELLHEAD, RDMO TO SEMU PERMIAN #40.

RT: 7:30 – 1:00 5.5 HRS CRT: 67.0 HRS TN TODAY: $6,008 TN FINAL COST: $59,968

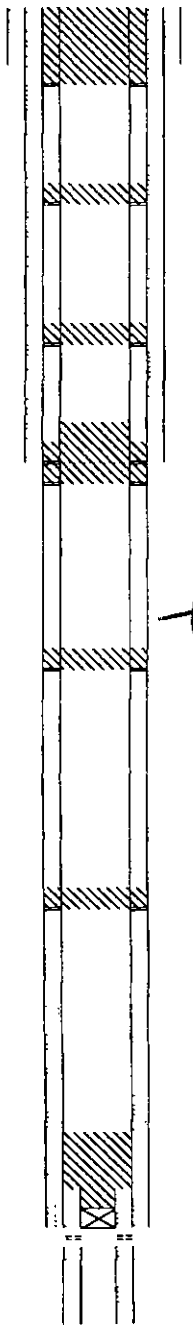
FINAL REPORT

PLUGGED WELLBORE SKETCH

ConocoPhillips Company -- Lower 48 - Mid-Continent BU / Permian Operations

Date July 20, 2007

RKB @ 4110'
DF @ 4109'
GL @ 4091'



Subarea	Hobbs
Lease & Well No	Uncas "31" State No. 1
Legal Description	1980' FNL & 1668' FWL, Sec. 31, T17S, R34E
County	Lea
State	New Mexico
Field	Vacuum, Morrow (Gas)
Date Spudded	12/15/00
Rig Released	1/24/01
API Number	30-025-35218
Status	**PLUGGED 07/18/07**

13-3/8" 48# H-40 @ 430' cmt'd w/ 500 sx, circ.

Perf & sqz'd 160 sx C cmt 480' to surface

Top of Salt @ +/- 1700'

Perf & sqz'd 50 sx C cmt 1,700 - 1,535' TAGGED

Base of Salt @ 2,800'

Perf & sqz'd 50 sx C cmt 2,800 - 2,633' TAGGED

12-1/4" Hole

9-5/8" 40# K-55 & N-80 @ 4,808' cmt'd w/ 2,551 sx, circ 51 sx

25 sx C cmt 4,801 - 4,461' TAGGED
Sqz'd 75 sx C cmt @ 4,858 - 4,801' TAGGED
Perf & sqz'd 75 sx C cmt @ 4,858' NO TAG

Tagged 5030 SA

Perf & sqz'd 60 sx C cmt 6,160 - 5,830' TAGGED

GV

Perf & sqz'd 60 sx H cmt 8,258 -8,138', TAGGED

TOC 7" Csg @ 9,850' (CBL)

8-3/4" Hole

displaced plugging mud from PBTD

75 sx H cmt 13,129 -12,435'

CIBP @ 13,120'; TOC @ 13,100'
7" 26# N-80 & SP-110 @ 12,936', cmt'd w/ 650 sx H
13,156' - 13,164

6-1/2" Hole
5" 18# N-80 LINER from 12,612' to 13,564' (951.8')
Cmt'd w/170 sx, TOC @ 12,612 (CBL)

PBTD 13,100'
TD 13,575'

Stimulation History:

Interval	Date	Type	Gals	Lbs. Sand	Max Press	ISIP	Max Rate
	3/12/01	CBL run, found TOC 7" casing at 9850' and top of 5" liner @ 12,612'					
	3/13/01	**Perforate 13,156-13,164**					
13156-13164	6/2/06	7.5% NEFE HCl	1,000				
		Nitrogen SCF	50,000				
	10/3/06	Run Temperature Survey					
	5/7/07	Re-perforate 13,156-13,164					
	5/15/07	***Set 5" CIBP @ 13,120', dump 20' cement on top TOC @ 13,100'***					

TRIPLE N SERVICES INC
HOBBS, N.M.

PLUGS SET 07/11/07 thru 07/18/07

1) displaced plugging mud from PBTD
2) 75 sx H cmt 13,129 -12,435'
3) Perf & sqz'd 60 sx H cmt 8,258 -8,138', TAG'D
4) Perf & sqz'd 60 sx C cmt 6,160 - 5,830' TAG'D
5) Perf & sqz'd 75 sx C cmt @ 4,858' NO TAG
6) Sqz'd 75 sx C cmt @ 4,858 - 4,801' TAGGED
7) 25 sx C cmt 4,801 - 4,461' TAGGED
8) Perf & sqz'd 50 sx C cmt 2,800 - 2,633' TAG'D
9) Perf & sqz'd 50 sx C cmt 1,700 - 1,535' TAG'D
10) Perf & sqz'd 160 sx C cmt 480' to surface

Capacities

5" 18# liner csg	10.028	ft/ft3	0.0997	ft3/ft
7" 20# csg	4.399	ft/ft3	0.2273	ft3/ft
7" 26# csg	4.655	ft/ft3	0.2148	ft3/ft
7-5/8" 26.4# csg	3.775	ft/ft3	0.2648	ft3/ft
8-5/8" 24# csg	2.797	ft/ft3	0.3575	ft3/ft
9-5/8" 40# csg	2.349	ft/ft3	0.4257	ft3/ft
13-3/8" 48# csg	1.134	ft/ft3	0.8817	ft3/ft
7-7/8" openhole	2.957	ft/ft3	0.3382	ft3/ft
8-3/4" openhole	2.395	ft/ft3	0.4176	ft3/ft
11" openhole	1.515	ft/ft3	0.66	ft3/ft

Formation Tops:

Top Salt	1700'	Paddock	6216'
Yates	2843'	Tubb	7684'
Seven Rivers	3300'	Abo	8258'
Queen	3842'	Wolfcamp	10,276'
Grayburg	4230'	Strawn	12,166'
San Andres	4570'	Atoka	12,597'
Glorieta	6160'	Mississippian	13,542'

APPENDIX B: POINT OF DIVERSION AND WATER DEPTH REPORTS

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

(acre ft per annum) (R=POD has been replaced and no longer serves this file, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code	Grant	Source	q q q 6416	4	Sec	Tws	Rng	X	Y	Distance
L 01695	L	IND	786	SOUTHWEST POTASH CORPORATION	LE	L 01697 POD2			Shallow	4	4 3	30	17S	34E	630986	3629911*	408
L 01696	L	IND	786	SOUTHWEST POTASH	LE	L 01697 POD2			Shallow	4	4 3	30	17S	34E	630986	3629911*	408
L 01697	L	IND	0	SOUTHWEST POTASH CORPORATION	LE	L 01697 POD2			Shallow	4	4 3	30	17S	34E	630986	3629911*	408
L 02687	L	PRO	0	PETE LOMAX DRILLING CO	LE	L 02687			Shallow		2 2	36	17S	33E	630137	3629598*	507
L 01696	L	IND	786	SOUTHWEST POTASH	LE	L 01696			Shallow	4	4 1	30	17S	34E	630974	3630716*	1064
L 01695	L	IND	786	SOUTHWEST POTASH CORPORATION	ED	L 01695			Shallow	4	4 2	25	17S	33E	630220	3630704*	1078
L 04734	L	PRO	0	CACTUS DRILLING COMPANY	LE	L 04734			Shallow		3 3	31	17S	34E	630555	3628397*	1313
L 11232	L	PRO	0	PATTERSON DRILLING COMPANY	LE	L 11232			Shallow	2	3 4	31	17S	34E	631413	3628508*	1431
L 01695	L	IND	786	SOUTHWEST POTASH CORPORATION	LE	L 01697	R		Shallow	4	4 2	30	17S	34E	631778	3630729*	1534
L 01696	L	IND	786	SOUTHWEST POTASH	LE	L 01697	R		Shallow	4	4 2	30	17S	34E	631778	3630729*	1534
L 01697	L	IND	0	SOUTHWEST POTASH CORPORATION	LE	L 01697	R		Shallow	4	4 2	30	17S	34E	631778	3630729*	1534
L 01002	L	PRO	0	S.F. YATES DRILLING COMPANY	LE	L 01002 POD1			Shallow	2	1 2	06	18S	34E	631419	3628107*	1783
L 05063	L	PRO	0	MARLO DRILLING CO	LE	L 05063			Shallow	1	2 2	06	18S	34E	631621	3628114*	1875
L 06997	L	SRO	87.5	MURPHY H. BAXTER	LE	L 06997			Shallow		1 3	06	18S	34E	630571	3627192*	2516
L 11446	L	PRO	0	BP AMERICAN PRODUCTION CO.	LE	L 11446				2	2 2	32	17S	34E	633404	3629747*	2772
L 04898	L	PRO	0	CACTUS DRILLING COMPANY	LE	L 04898			Shallow		4 3	06	18S	34E	630937	3626796*	2927
L 05055	L	PRO	0	GULF OIL CORPORATION	LE	L 05055			Shallow	3	3 4	35	17S	33E	628042	3628259*	2967
L 05096	L	PRO	0	GULF OIL CORPORATION	LE	L 05096			Shallow	3	3 4	35	17S	33E	628042	3628259*	2967

***UTM location was derived from PLSS - see Help**

(acre ft per annum)

(R=POD has been replaced and no longer serves this file, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Code Grant	Source	q q q 6416 4	Sec	Tws	Rng	X	Y	Distance
L 06094	L	SRO	0	GEORGE WILLIAMS	LE	L 06094			1 2	02	18S	33E	628148	3627959*	3037
L 11049	L	PRO	0	PATTERSON DRILLING	LE	L 11049		Shallow	4 3 1	20	17S	34E	632155	3632344*	3044
L 07018	L	MIN	300	WESTERN AG-MINERALS CO.	LE	L 07018		Shallow		05	18S	34E	632746	3627417*	3116
L 04363	L	PRO	0	DILLARD AND WALTERMIRE DRG CO	LE	L 04363		Shallow	1 2 3	35	17S	33E	627634	3628855*	3117

Record Count: 22

UTMNAD83 Radius Search (in meters):

Easting (X): 630632.21 **Northing (Y):** 3629707.75 **Radius:** 3220

Sorted by: Distance

*UTM location was derived from PLSS - see Help

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin	Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 01697 POD2		L	LE	4	4	3	30	17S	34E	630986	3629911*	408	240	140	100
L 02687		L	LE		2	2	36	17S	33E	630137	3629598*	507			
L 01696		L	LE	4	4	1	30	17S	34E	630974	3630716*	1064	240	149	91
L 01695		L	ED	4	4	2	25	17S	33E	630220	3630704*	1078	230	137	93
L 04734		L	LE		3	3	31	17S	34E	630555	3628397*	1313	186	135	51
L 11232		L	LE	2	3	4	31	17S	34E	631413	3628508*	1431	235	140	95
L 01697	R	L	LE	4	4	2	30	17S	34E	631778	3630729*	1534	252	138	114
L 01002 POD1		L	LE	2	1	2	06	18S	34E	631419	3628107*	1783	158		
L 05063		L	LE	1	2	2	06	18S	34E	631621	3628114*	1875	170	110	60
L 06997		L	LE		1	3	06	18S	34E	630571	3627192*	2516	225	140	85
L 04898		L	LE		4	3	06	18S	34E	630937	3626796*	2927	185	150	35
L 05055		L	LE	3	3	4	35	17S	33E	628042	3628259*	2967	233	150	83
L 05096		L	LE	3	3	4	35	17S	33E	628042	3628259*	2967	233	150	83
L 11049		L	LE	4	3	1	20	17S	34E	632155	3632344*	3044	250	140	110
L 07018		L	LE				05	18S	34E	632746	3627417*	3116	236	105	131
L 04363		L	LE	1	2	3	35	17S	33E	627634	3628855*	3117	226	160	66

Average Depth to Water: **138 feet**

Minimum Depth: **105 feet**

Maximum Depth: **160 feet**

Record Count: 16

UTMNAD83 Radius Search (in meters):

Easting (X): 630632.21 **Northing (Y):** 3629707.75 **Radius:** 3220

***UTM location was derived from PLSS - see Help**

C-108 Review Checklist: Received 05/01/15 Add. Request: — Reply Date: — Suspended: — [Ver 16]

SLO input & Compliance Verified

ORDER TYPE: WFX / PMX / SWD Number: 1590 Order Date: 10/16/15 Legacy Permits/Orders: *ACOI-262-F

Well No. 4 Well Name(s): Hale State

API: 30-0 25-39785 Spud Date: 11/20/2008 New or Old: New (*UIC Class II Primacy 03/07/1982*)

Footages 330 FNL/990 FWL Lot 1 or Unit [D] Sec 31 Tsp 17S Rge 34E County Lea

General Location: 6 miles west of Buckeye Pool: [SWD; San Andres / Vacuum; GB-SA / Production] Pool No: [96121 / 61750]

BLM 100K Map: Hobbs Operator: Linn Operating Inc. OGRID: 269324 Contact: Laura Moreno

COMPLIANCE RULE 5.9: Total Wells: 1119 Inactive: 3 Fincl Assur: Yes Compl. Order? Yes * IS 5.9 OK? Yes Date: 10/16/15

Good status with current ACOI

WELL FILE REVIEWED ✓ Current Status: GB-SA producer/uneconomical

WELL DIAGRAMS: NEW: Proposed ○ or **RE-ENTER:** Before Conv. ✓ After Conv. ✓ Logs in Imaging: CBL/MCFL&GR/LD&CN/Cal Log

Planned Rehab Work to Well: Squeeze Cmt. existing perfs (4370' to 4754'); new perfs 4820' to 4902' (below producing)

Well Construction Details	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Stage Tool	Cement Sx or Cf	Cement Top and Determination Method
Planned __ or Existing ✓ Surface	12¼ / 8⅝	0 to 1556		393	Circ. to surface
Planned __ or Existing ✓ Interm/Prod	7⅞ / 5½	0 to 4936	None	975	CBL/585 (poor quality)
Planned __ or Existing __ Interm/Prod	—	—	—	—	—
Planned __ or Existing __ Prod/Liner	—	—	—	—	—
Planned __ or Existing __ Liner	—	—	—	—	—
Planned ✓ or Existing ✓ OH / PERF	Existing 4370'-4754'	Proposed 4820'-4902'	Inj Length 82		

Injection Lithostratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops
Adjacent Unit: Litho. Struc. Por.		Queen	3830
Confining Unit: Litho. (Struc.) (Por.)	4230	Grayburg	4224
Proposed Inj Interval TOP:	4820	San Andres	4590
Proposed Inj Interval BOTTOM:	4902	(lower SA)	
Confining Unit: Litho. (Struc.) (Por.)	—	Glorieta	NDE
Adjacent Unit: Litho. Struc. Por.		—	

Completion/Operation Details:

Drilled TD 4938' PBTD 4934'

NEW TD — NEW PBTD —

NEW Open Hole ○ or NEW Perfs ✓

Tubing Size 2⅜ in. Inter Coated? Yes

Proposed Packer Depth 4770 ft (below squeeze)

Min. Packer Depth 4720 (100' limit)

Proposed Max. Surface Press. 1831 psi

Admin. Inj. Press. 964 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P No Noticed? NA BLM Sec Ord ✓ No WIPP ✓ No Noticed? NA Salt/Salado T: — B: — **NW:** Cliff House fm —

FRESH WATER: Aquifer Shallow alluvial/Ogallala + possible Dockum Max Depth <500 Ogallala (±240') HYDRO AFFIRM STATEMENT By Qualified Person ✓

NMOSE Basin: Lea **CAPITAN REEF:** thru — adj — NA ✓ **No. GW Wells in 1-Mile Radius?** 15 Production wells for Potash FW Analysis? No

Disposal Fluid: Formation Source(s) SA/GB; SA Analysis? Yes On Lease ○ Operator Only ✓ (Leases in area) or Commercial ○

Disposal Interval: Inject Rate (Avg/Max BWPD): 500/1000 Protectable Waters? No Source: Sample System: (Closed) or Open

HC Potential: Producing Interval? Vacuum - Yes / present compl. Formerly Producing? Yes Method: (Logs) DST P&A (Other) Maps 2-Mile Radius Pool Map ✓

→ deeper injection interval

AOR Wells: 1/2-M Radius Map? Yes Well List? Yes Total No. Wells Penetrating Interval: 5 Horizontals? Ø

Penetrating Wells: No. Active Wells 3 Num Repairs? Ø on which well(s)? — Diagrams? No

Penetrating Wells: No. P&A Wells 2 Num Repairs? Ø on which well(s)? — Diagrams? Yes

NOTICE: Newspaper Date 04/14/15 Mineral Owner NMSLO Surface Owner NMSLO N. Date 04/14/15

RULE 26.7(A): Identified Tracts? Yes Affected Persons: ConocoPhillips and NMSLO N. Date 04/14/15

Order Conditions: Issues: None

Add Order Cond: No Special Requirements - but added CBL following squeeze remedial

ACOUSTIC CEMENT BOND
GAMMA RAY/CCL
LOG

30-025-39785

COMPANY ARENA RESOURCES INC. WELL HALE STATE #4 FIELD FIELD VACUUM CNTY LEA STATE NM

COMPANY ARENA RESOURCES, INC.

WELL HALE STATE #4

FIELD FIELD VACUUM

COUNTY LEA STATE NEWMEXICO

LOCATION:
330' FNL & 990' FWL
SEC.31 T17S, R35E
SEC.31 TWP.N/A RGEN/A

OTHER SERVICES:
PERF

PERM. DATUM GROUND LEVEL ELEV. 4096'
LOG MEASURE FT. K.B. 11 FT. ABOVE PERMANENT DATUM
DRILLING MEASURE FROM KELLY BUSHING

ELEV.: K.B. 4107'
D.F. 4106'
G.L. 4096'

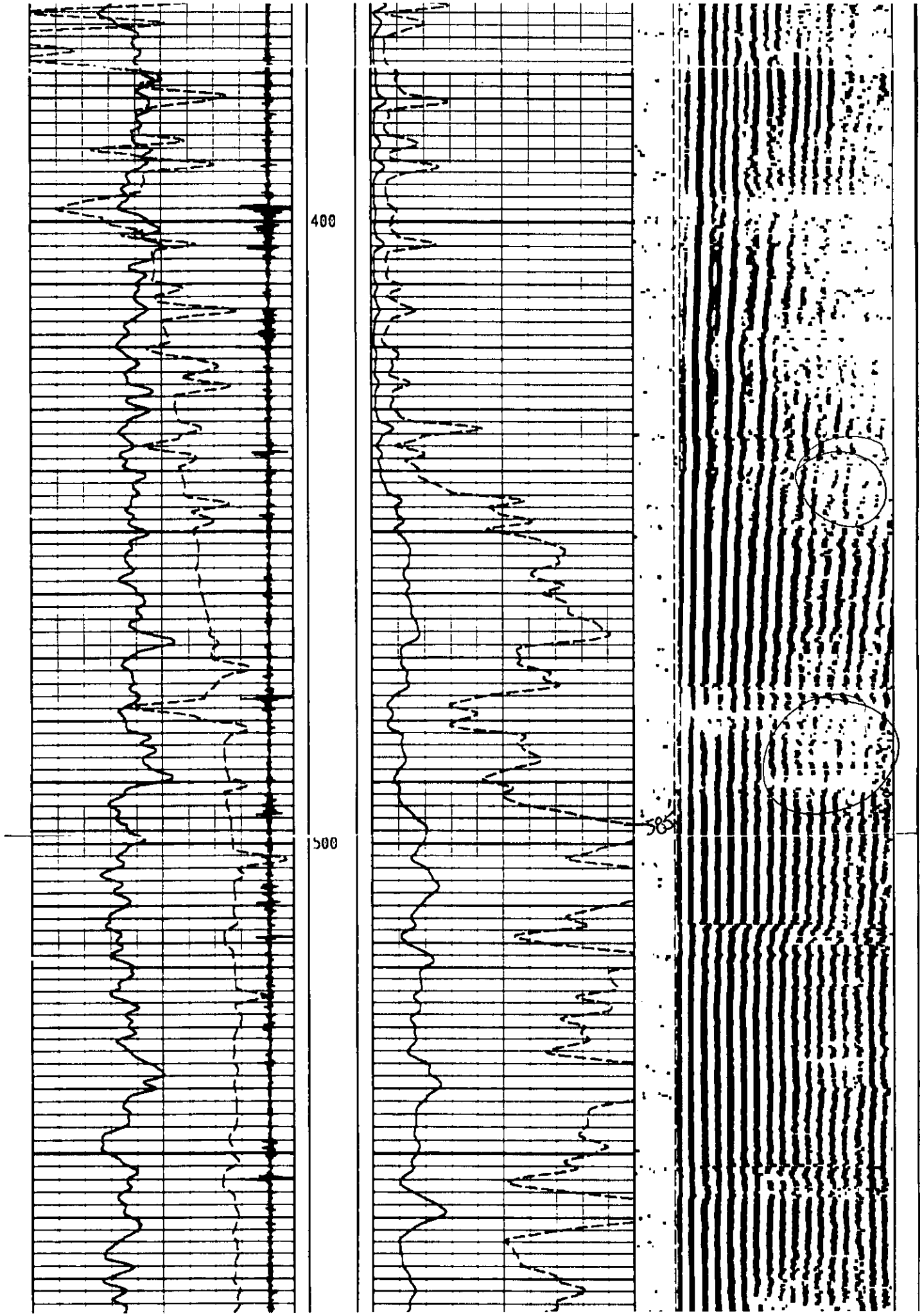
DATE	12-17-2008		
RUN #	ONE		
DEPTH DRILLER	N/A		
DEPTH LOGGER	4934'		
BTM. LOG INTERVAL	4934'		
TOP LOG INTERVAL	300'		
OPEN HOLE SIZE	8.625		
TYPE FLUID	WATER		
DENS. | VISC.	N/A | N/A	|	|
MAX. REC. TEMP. °F	N/A		
EST. CEMENT TOP	SEE LOG		
TIME WELL READY	ROA		
TIME LOGGER ON BTM.	SEE LOG		
EQUIP. NO.	14045		
LOCATION	HOBBS,NM		
RECORDED BY	M.PEREZ		
WITNESSED BY	TONY TUCKER		

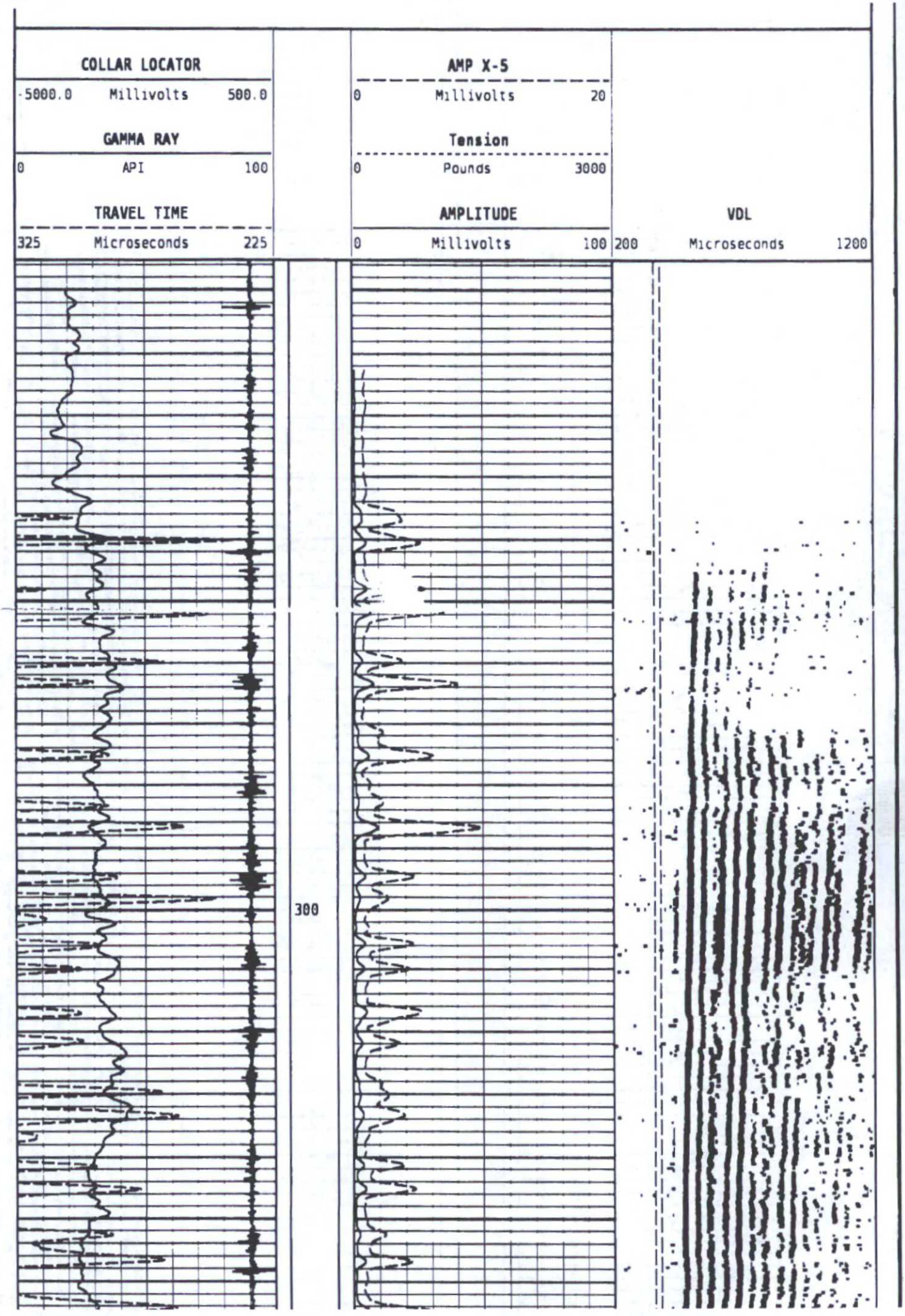
BOREHOLE RECORD				TUBING RECORD			
RUN NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO

CASING RECORD	SIZE	WT/FT	GRADE	TYPE JOINT	TOP	BOTTOM
SURFACE STRING	8.625	24			SURF.	N/A
PROT. STRING						
PROD. STRING	5.5	15.5			SURF.	T.D.
LINER						

All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretation or

~585 TOC - Poor bonding to 1600'
→ Braidenhead tests show


400
500
505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-5000.0
Millivolts
500.0
GAMMA RAY
0
API
100
TRAVEL TIME
325
Microseconds
225
AMP X-5
0
Millivolts
20
Tension
0
Pounds
3000
AMPLITUDE
0
Millivolts
100
VDL
200
Microseconds
1200
300

Production Summary Report
API: 30-025-39785
HALE STATE #004
Printed On: Tuesday, October 13 2015

		Production					Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	177	338	0	28	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	528	480	0	31	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	121	250	0	30	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	328	371	339	31	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	104	428	2316	30	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	182	383	815	31	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	188	364	1979	30	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	219	327	1396	30	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	232	250	1318	31	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	164	229	1799	30	0	0	0	0	0
2009	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	105	243	3569	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	91	216	2759	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	132	250	3701	28	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	175	327	6440	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	195	309	8139	30	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	257	407	8705	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	435	782	7383	30	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	391	614	6943	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	140	96	4993	31	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	84	0	515	30	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	91	0	177	27	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	56	0	103	30	0	0	0	0	0
2010	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	75	0	98	31	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	58	16	62	30	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	22	37	21	28	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	26	52	30	31	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	35	43	49	30	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	46	39	40	31	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	35	16	38	30	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	45	13	35	31	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	41	43	25	30	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	36	30	110	31	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	36	38	37	30	0	0	0	0	0
2011	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	40	41	37	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	37	68	30	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	33	75	34	29	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	35	84	41	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	31	75	40	30	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	29	41	48	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	21	97	21	30	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	26	86	23	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	25	83	18	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	19	121	16	30	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	42	117	58	31	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	25	59	35	30	0	0	0	0	0
2012	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	24	75	302	31	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	23	77	31	31	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	19	64	28	28	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	28	92	25	31	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	3	169	0	29	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	32	90	0	29	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	35	99	0	29	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	42	98	0	31	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	39	96	492	31	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	39	98	345	30	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	13	85	35	12	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	35	89	156	28	0	0	0	0	0
2013	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	46	89	76	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	42	112	34	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	34	90	81	28	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	30	82	28	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	25	88	0	30	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	33	101	0	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	26	90	0	30	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	16	224	0	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	38	370	0	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Sep	19	105	0	22	0	0	0	0	0

Production Summary Report
API: 30-025-39785
HALE STATE #004
Printed On: Tuesday, October 13 2015

			Production				Injection				
Year	Pool	Month	Oil(BBLS)	Gas(MCF)	Water(BBLS)	Days P/I	Water(BBLS)	Co2(MCF)	Gas(MCF)	Other	Pressure
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Oct	69	203	0	31	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Nov	42	200	0	30	0	0	0	0	0
2014	[62180] VACUUM;GRAYBURG-SAN ANDRES	Dec	22	234	0	31	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jan	26	185	0	31	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Feb	40	121	0	28	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Mar	32	180	0	31	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Apr	13	82	0	25	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	May	27	190	0	31	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jun	22	142	0	30	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Jul	9	46	0	9	0	0	0	0	0
2015	[62180] VACUUM;GRAYBURG-SAN ANDRES	Aug	0	0	0	0	0	0	0	0	0