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: __X__ Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage
Application qualifies for administrative approval? __X__ Yes _____ No

II. OPERATOR: Chevron U.S.A., Inc.

ADDRESS: 15 Smith Road, Midland, Texas 79705

CONTACT PARTY: See attached listing PHONE: See attached

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

IV. Is this an expansion of an existing project? __X__ Yes _____ No
If yes, give the Division order number authorizing the project: R-4442-B

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, a depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing wa total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sou 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 resu

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile 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 enginee data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any undergrou 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: Daniel Pequeno TITLE: Land Representative

SIGNATURE: DATE: March 18, 2008

E-MAIL ADDRESS: dpeq@chevron.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: Texaco application submitted 1/22/01; Chevron application submitted 7/3/07

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

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 14114..... Exhibit No. 15
Submitted by:
CHEVRON USA INC.
Hearing Date: April 17, 2008

Side 2

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.

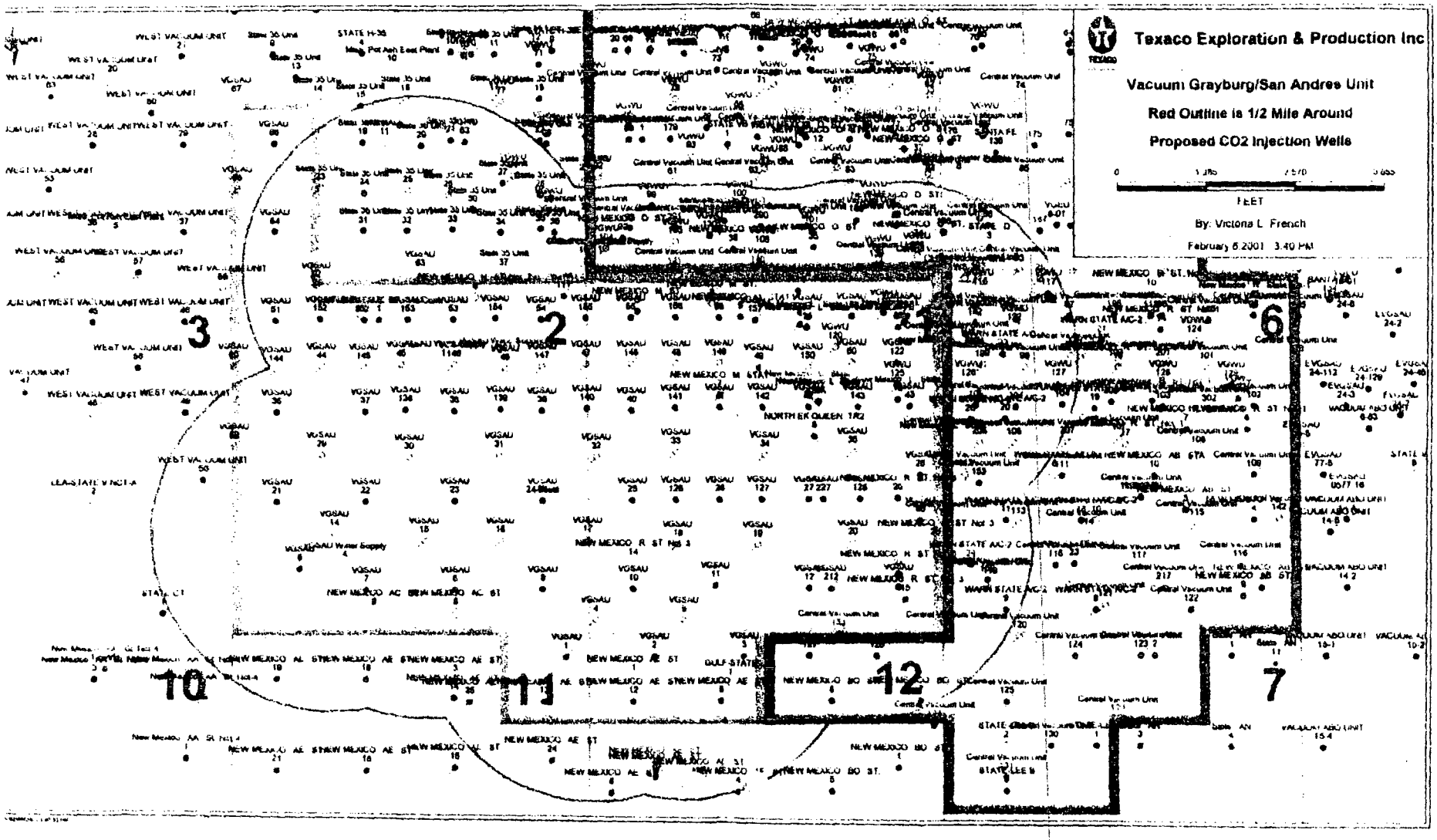
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

VGSAU C-108 Application
Operator & Contact Information

Operator: Chevron, USA
15 Smith Road
Midland, Texas 79705

Contacts:

Name	Function	Phone
Paul Brown	Production Engineer	432-687-7351
Rex Marshall	Reservoir Engineer	432-687-7731
Kojo Lotsu	Reservoir Engineer/Flood Manager	432-687-7409
Scott Ingram	Project Manager/Geologist	432-687-7212
Matt Wasson	Geologist	432-687-7168


Texaco Exploration & Production Inc
Vacuum Grayburg/San Andres Unit
Red Outline is 1/2 Mile Around
Proposed CO2 Injection Wells
0
FEET
By: Victoria L. French
February 6 2001 3:40 PM
1
2
3
6
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10
11
12

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #135W

WELL LOCATION:	2535' FNL 1930' FEL	G	1	18S	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: 700 sx. ***or*** 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. ***or*** ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 7.625" Casing Size: 5.5"

Cemented with: 950 sx. ***or*** ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,800'

Injection Interval

4,300 feet to 4,679 feet

298 holes

Well has been completed with perforations.

PART III

5.

INJECTION WELL DATA SHEET

Tubing Size: _____ 2 7/8"_____Lining Material: ___ Duolined J55 Inj tbg_____

Type of Packer: _____5 1/2" Lock set packer Nickle Plated_____

Packer Setting Depth: _____~4261'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X___Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____No_____

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #235W

WELL LOCATION: 2610' FNL 660' FEL | H | 1 | 18S | 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: 700 sx. ***or*** 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. ***or*** ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 7.825" Casing Size: 5.5"

Cemented with: 950 sx. ***or*** 15.5 ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,800'

Injection Interval

4,516 feet to 4,712 feet

284 holes

Well has been completed with perforations.

7.

INJECTION WELL DATA SHEET

Tubing Size: _____ 2 7/8"_____Lining Material: ___ Duo-lined tbg_____

Type of Packer: _____ Nickle Plated Duoline_____

Packer Setting Depth: _____~4145'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X___Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____No_____

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #249W

WELL LOCATION: 1390' FNL 2530' FWL F 1 18S 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: 700 sx. ***or*** 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. ***or*** ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 7.625" Casing Size: 5.5"

Cemented with: 1950 sx. ***or*** ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,800'

Injection Interval

4,292 feet to 4,714 feet

Well has been completed with perforations.

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Fiberlined tbg

Type of Packer: Nickle Plated Duoline

Packer Setting Depth: ~4258'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   No

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #250W

WELL LOCATION: 1443' FNL 1286' FEL H 1 18S 34E
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17.5" Casing Size: 13.375"

Cemented with: 2150 sx. *or* 48 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 12.5" Casing Size: 9.625"

Cemented with: 1080 sx. *or* 36 ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 8.75" Casing Size: 7"

Cemented with: 1195 sx. *or* 15.5 ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5,200'

Injection Interval

4,32 feet to 4,702 feet

Well has been completed with perforations.

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Fiberlined tbg

Type of Packer: Nickle Plated Duoline

Packer Setting Depth: ~4268'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   No

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #133W

WELL LOCATION:	2590' FNL 1270' FWL	E	1	18S	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: 700 sx. ***or*** 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. ***or*** ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 7.625" Casing Size: 5.5"

Cemented with: 850 sx. ***or*** 15.5 ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,700'

Injection Interval

4,247 feet to 4,700 feet

Well has been completed as Open Hole.

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: J55 Duolined

Type of Packer: 5 ½" Packer with On/Off too

Packer Setting Depth: ~4215'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   No

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #233W

WELL LOCATION: 2630' FNL 660' FEL L 1 18S 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: 745 sx. ***or*** 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. ***or*** ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 8.75" Casing Size: 5.5"

Cemented with: 1030 sx. ***or*** 15.5 ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,600'

Injection Interval

4,366 feet to 4,448 feet

Well has been completed with perforations.

15.

Side 2

INJECTION WELL DATA SHEET

Tubing Size: _____ 2 3/8" _____ Lining Material: ___ Fiberlined tbg _____

Type of Packer: _____ Nickle Plated Duoline _____

Packer Setting Depth: _____ ~4268' _____

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

Additional Data

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

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

   _____

2. Name of the Injection Formation: _____ Grayburg San Andres _____

3. Name of Field or Pool (if applicable): ___ Vacuum _____

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

   _____ No _____

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #132W

WELL LOCATION: 2630' FSL 660' FEL I 2 18S 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: 895 sx. *or* 24 ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. *or* ft^3

Top of Cement: Method Determined:

Production Casing

Hole Size: 7.625" Casing Size: 5.5"

Cemented with: 875 sx. *or* 15.5 ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,600'

Injection Interval

4,370 feet to 4,572 feet
274 holes

Well has been completed using perforations.

17.

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Duolined

Type of Packer: 5 ½" Hudson Lock set packer Nickle Plated

Packer Setting Depth: ~4326'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   No

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit #134W

WELL LOCATION: 2630' FSL 1980' FWL K 1 18S 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: 938 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. ***or*** _____ ft^3

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: 7.625" Casing Size: 5.5"

Cemented with: 771 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 4,700'

Injection Interval

4,217 feet to 4,420 feet

278 holes

Well has been completed with perforations.

19.

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Duolined

Type of Packer: 5 1/2" Hudson Lock set packer Nickle Plated

Packer Setting Depth: ~4153'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   No

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

   Underlying:
   Grayburg – 4030', San Andres – 4345', Glorieta – 5865', Blinebry - 6285', Drinkard – 7480', Abo – 7925', Wolfcamp – 9260', Upper Penn – 10,200', Atoka – 10690', Strawn – 10935', Morrow – 11050', Mississippian – 11550', Woodford – 12000'.

   There are no known producing zones below the Devonian within the area of review.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 438

WELL LOCATION: 10' FNL 420' FEL | A | 1 | 18S | 34E

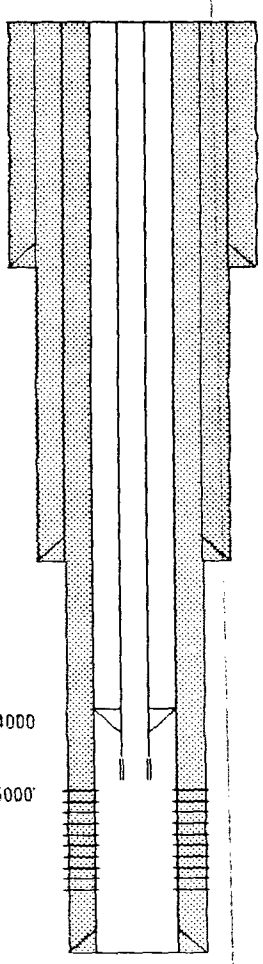
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

Surface Casing
Size: 11 3/4"
Depth: 350'
Sxs Cmt: 385
Hole Size: 14 3/4"

Intermediate Casing
Size: 8 5/8"
Depth: 2800'
Sxs Cmt: 960
Hole Size: 11"

Production Casing
Size: 5 1/2"
Depth: 5200'
Sxs Cmt: 935
Hole Size: 7 7/8"



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. *or* __ ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

INJECTION WELL DATA SHEET

Tubing Size: __2 3/8"_____Lining Material: _Fiberglass_____

Type of Packer: __10K Arrow Set 1X packer with on-off tool; nickel-plated_____

Packer Setting Depth: ____~4000'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X____Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____

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

   Yates – 2800', Grayburg – 3990', San Andres – 4255', Glorieta – 5820', Blinebry – 6300', Drinkard – 7500', Abo – 7900', Wolfcamp – 9350', Canyon – 10,540', Strawn – 10,750', Atoka – 10,880', Morrow – 11,160', Mississippian – 11,300', Woodford – 12,000'

   There are no known producing zones below the Devonian within the area of review

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 439

WELL LOCATION: 634' FNL 1632' FEL | B | 1 | 18S | 34E

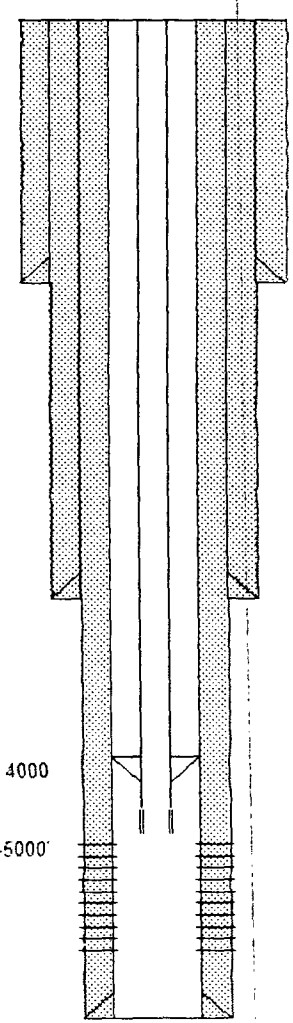
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

Surface Casing
Size 11 3/4"
Depth 350'
Sxs Cmt 385
Hole Size 14 3/4"

Intermediate Casing
Size 8 5/8"
Depth 2800'
Sxs Cmt 960
Hole Size 11"

Production Casing
Size 5 1/2"
Depth 5200'
Sxs Cmt 935
Hole Size 7 7/8"



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. *or* __ ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

Side 2

INJECTION WELL DATA SHEET

Tubing Size: __2 3/8"_____Lining Material: _Fiberglass_____

Type of Packer: __10K Arrow Set 1X packer with on-off tool; nickel-plated_____

Packer Setting Depth: ____~4000'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X____Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____

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

   Yates – 2800', Grayburg – 3990', San Andres – 4255', Glorieta – 5820', Blinebry – 6300', Drinkard – 7500', Abo – 7900', Wolfcamp – 9350', Canyon – 10,540', Strawn – 10,750', Atoka – 10,880', Morrow – 11,160', Mississippian – 11,300', Woodford – 12,000'

   There are no known producing zones below the Devonian within the area of review

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 440

WELL LOCATION: 100'' FNL 1980' FEL C 1 18S 34E

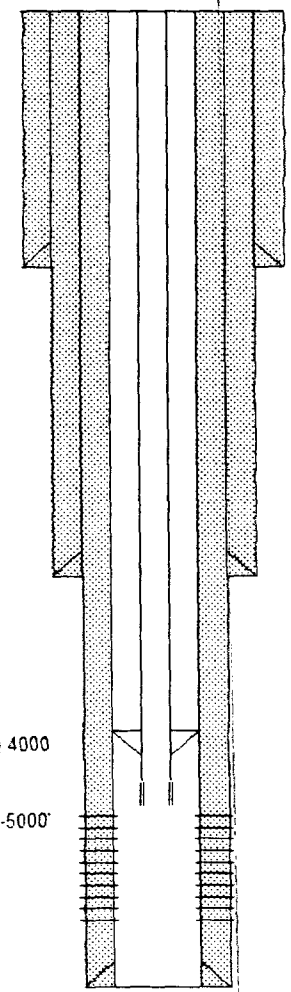
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

Surface Casing
Size: 11 3/4"
Depth: 350'
Sxs Cmt: 385
Hole Size: 14 3/4"

Intermediate Casing
Size: 8 5/8"
Depth: 2800'
Sxs Cmt: 960
Hole Size: 11"

Production Casing
Size: 5 1/2"
Depth: 5200'
Sxs Cmt: 935
Hole Size: 7 7/8"



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. ***or*** ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. ***or*** ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. ***or*** ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

25.

INJECTION WELL DATA SHEET

Tubing Size: __2 3/8"_____Lining Material: _Fiberglass_____

Type of Packer: __10K Arrow Set 1X packer with on-off tool; nickel-plated_____ _____

Packer Setting Depth: ____~4000'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X___Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____ _____

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

   Yates – 2800', Grayburg – 3990', San Andres – 4255', Glorieta – 5820', Blinebry – 6300', Drinkard – 7500', Abo – 7900', Wolfcamp – 9350', Canyon – 10,540', Strawn – 10,750', Atoka – 10,880', Morrow – 11,160', Mississippian – 11,300', Woodford – 12,000'

   There are no known producing zones below the Devonian within the area of review

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 441

WELL LOCATION: 170' FNL 710' FWL | D | 1 | 18S | 34E

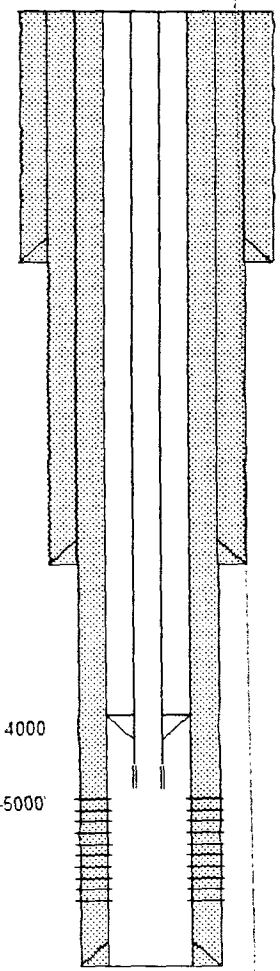
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

Surface Casing
Size: 11 3/4"
Depth: 350'
Sxs Cmt: 385
Hole Size: 14 3/4"

Intermediate Casing
Size: 8 5/8"
Depth: 2800'
Sxs Cmt: 960
Hole Size: 11"

Production Casing
Size: 5 1/2"
Depth: 5200'
Sxs Cmt: 935
Hole Size: 7 7/8"



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. *or* __ ft³

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. *or* ____ ft³

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. *or* ____ ft³

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

INJECTION WELL DATA SHEET

Tubing Size: __2 3/8"_____Lining Material: _Fiberglass_____

Type of Packer: __10K Arrow Set 1X packer with on-off tool; nickel-plated_____

Packer Setting Depth: ____~4000'_____

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

Additional Data

1. Is this a new well drilled for injection? ___X____Yes _____No

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

   _____

2. Name of the Injection Formation: _____Grayburg San Andres_____

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

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

   _____

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

   Yates – 2800', Grayburg – 3990', San Andres – 4255', Glorieta – 5820', Blinebry – 6300', Drinkard – 7500', Abo – 7900', Wolfcamp – 9350', Canyon – 10,540', Strawn – 10,750', Atoka – 10,880', Morrow – 11,160', Mississippian – 11,300', Woodford – 12,000'

   There are no known producing zones below the Devonian within the area of review

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 131

WELL LOCATION: 2604.9' FNL & 2085' FEL | G | 2 | 18S | 34E

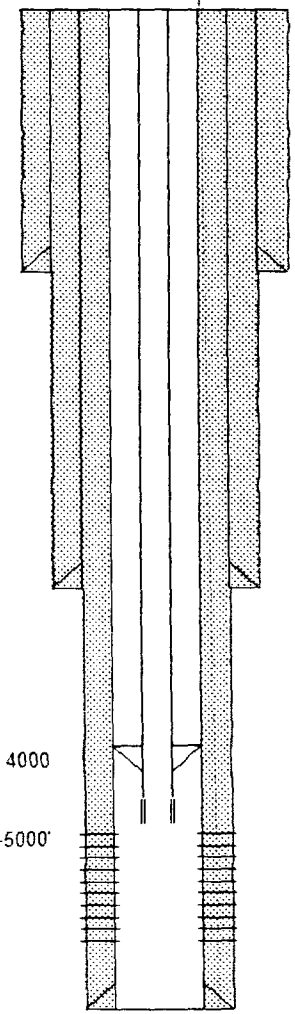
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

Surface Casing
Size: 11 3/4"
Depth: 350'
Sxs Cmt: 385
Hole Size: 14 3/4"

Intermediate Casing
Size: 8 5/8"
Depth: 2800'
Sxs Cmt: 960
Hole Size: 11"

Production Casing
Size: 5 1/2"
Depth: 5200'
Sxs Cmt: 935
Hole Size: 7 7/8"



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. *or* __ ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

29.

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Fiberglass

Type of Packer: 10K Arrow Set 1X packer with on-off tool, nickel-plated

Packer Setting Depth: ~4000'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   NO

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

   Yates – 2900', Grayburg – 4150', San Andres – 4490', Glorieta – 5960', Blunebry – 6400', Drinkard – 7980', Abo – 8240', Wolfcamp – 9630', Canyon – 10,940', Strawn – 11,280', Atoka – 11,650', Morrow – 11,755', Mississippian – 12,000', Woodford – 12,150'

   There are no known producing zones below the Devonian within the area of review

Side 1

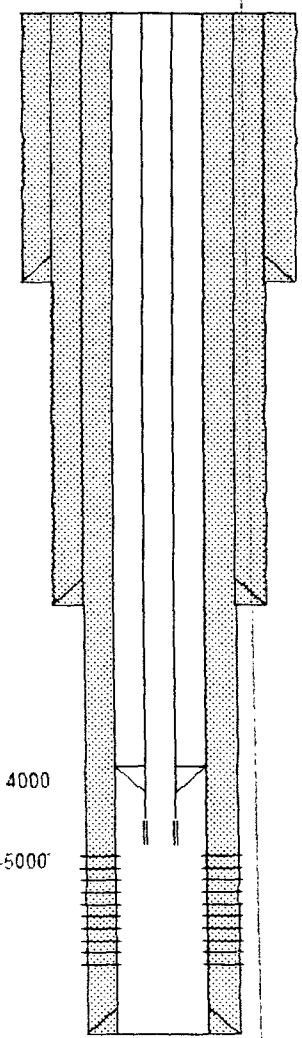
INJECTION WELL DATA SHEET

OPERATOR: Chevron U.S.A., Inc.

WELL NAME & NUMBER: Vacuum Grayburg San Andres Unit 145

WELL LOCATION:	1286.5 FNL & 1831.1' FWL	C	2	18S	34E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



Surface Casing
Size: 11 3/4"
Depth: 350'
Sxs Cmt: 385
Hole Size: 14 3/4"

Intermediate Casing
Size: 8 5/8"
Depth: 2800'
Sxs Cmt: 960
Hole Size: 11"

Production Casing
Size: 5 1/2"
Depth: 5200'
Sxs Cmt: 935
Hole Size: 7 7/8"

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 14.75" Casing Size: 11.75"

Cemented with: 385 sx. *or* __ ft^3

Top of Cement: Surface Method Determined: Circulation

Intermediate Casing

Hole Size: 11" Casing Size: 8.625"

Cemented with: 960 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Production Casing

Hole Size: 7.875" Casing Size: 5.5"

Cemented with: 935 sx. *or* _____ ft^3

Top of Cement: Surface Method Determined: Circulation

Total Depth: 5200'

Injection Interval

3902 feet to 5000 feet

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Fiberglass

Type of Packer: 10K Arrow Set 1X packer with on-off tool, nickel-plated

Packer Setting Depth: ~4000'

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

Additional Data

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

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

2. Name of the Injection Formation: Grayburg San Andres

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

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

   NO

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

   Yates – 2900', Grayburg – 4150', San Andres – 4490', Glorieta – 5960', Blunebry – 6400', Drinkard – 7980', Abo – 8240', Wolfcamp – 9630', Canyon – 10,940', Strawn – 11,280', Atoka – 11,650', Morrow – 11,755', Mississippian – 12,000', Woodford – 12,150'

   There are no known producing zones below the Devonian within the area of review

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-1
Revised March 25, 19

WELL API NO.
30-025-~~38027~~ 32027

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1306-2

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

7. Lease Name or Unit Agreement Name
Vacuum Grayburg San Andres Unit

2. Name of Operator
Chevron

8. Well No. 127

3. Address of Operator
15 Smith Road Midland, Texas 79705

9. Pool name or Wildcat
Vacuum 62180

4. Well Location

Unit Letter K : 1980 feet from the South line and 2625 feet from the West line

Section 1 Township 18-S Range 34-E NMPM County Lea

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3992' GL

11. 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.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	OTHER:			☐

12. 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 recompilation.

See attached procedure

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

SIGNATURE P.W. Minchew TITLE Operations Supervisor DATE 11/7/2002

Type or print name P. W. Minchew Telephone No. 396-4414

(This space for State use)

APPPROVED BY _____ TITLE _____ DATE NOV - 8 2002

Conditions of approval, if any:

33.

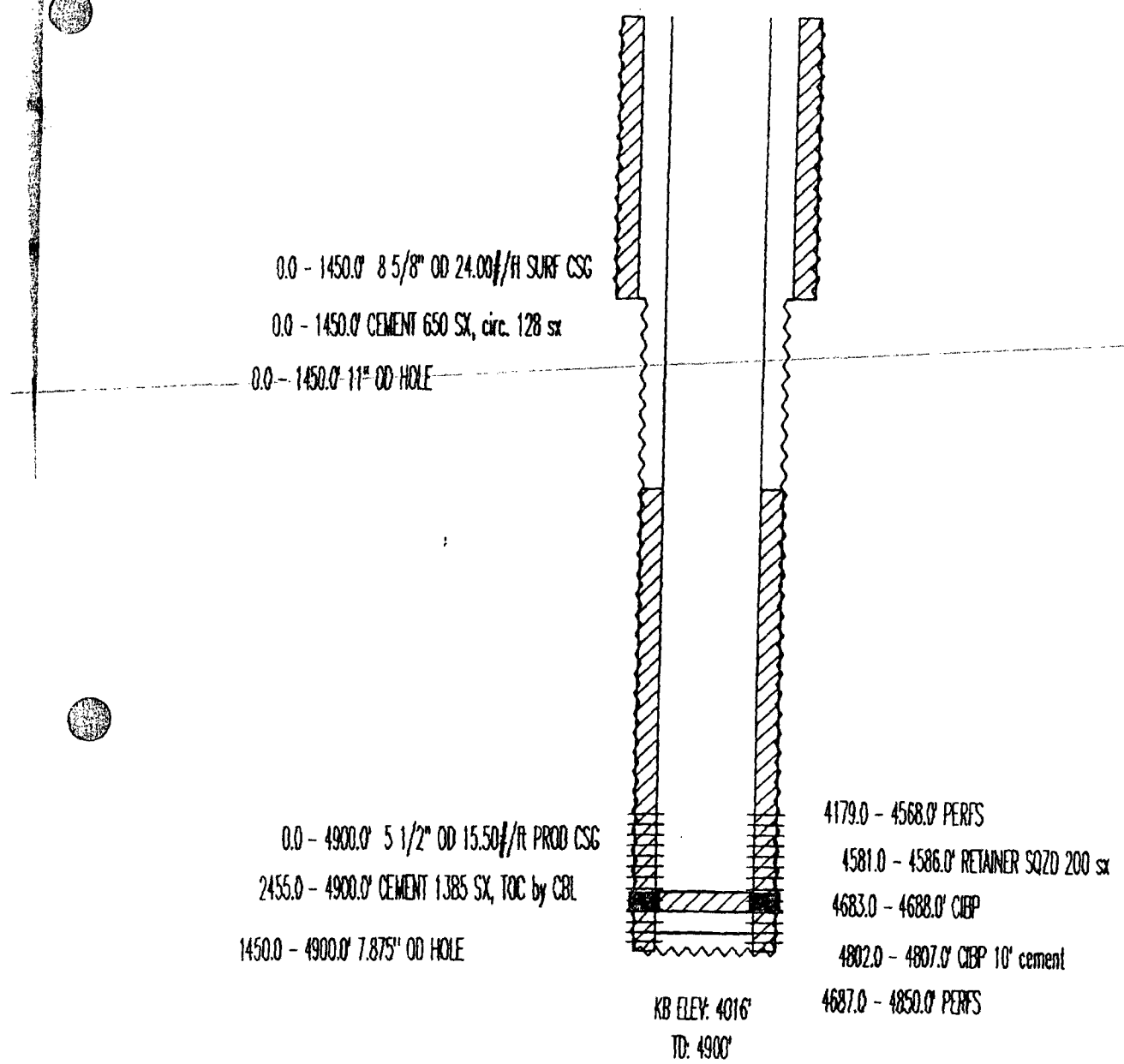
PART IV

Vacuum Grayburg San Andres Unit #127
Plugging Procedure

8 5/8" 24# set @ 1450' Cement circulated
5 ½" 15.5# set @ 4900' Top of cement @ 2455'
Original perforations 4687' to 4850'
CIBP set @ 4802'- 4807' w/10' cement
CIBP set @ 4683'- 4688'
Cement retainer set @ 4581'- 4586' squeezed with 200 sx Class C cement
Current perforations 4179' to 4568'

1.TIH with bit and scraper to top of fish at 3122'. Circulate casing with 10# brine. TOH.
2.TIH with CIBP and set at 3110'. Spot cement plug (40 Sx) from 3110' to 2700'. (Base of salt at 2850'). TOH.
3. Pressure casing and test to 500 psi. If necessary TIH with packer and locate casing leaks. Circulate casing with salt gel mud. Squeeze any casing leaks and leave 50' cement plugs across these intervals. If casing tests good, perforate casing at 1500' and attempt to circulate to surface.
4. If circulation is achieved pump 400 sx Class C Cement and circulate cement to surface. Displace to 1350' leaving 150' cement plug in casing from 1350' to 1500'. Spot 500' cement plug from 500' to surface (50 sx). Install dry hole marker.
5. If circulation is not achieved squeeze 400 sx Class C Cement and displace to 1300'. If cement stays in place run temperature survey and locate top of cement. Spot top plug according to step 4.
6. If cement plug at 1300' does not stay in place clear casing and resqueeze. (visit with PWM, DS, and Engineering. Proceed as above.

TEXACO EXPL. & PROD. INC.
VACUUM GRAYBURG SA UNIT #127
API# 30 - 025 - 32027



1980' FSL & 2625' FWL
SEC 1, TWN 18-S, RANGE 34-E
ELEVATION: 3992' GL
COMPLETIOON DATE: 09-09-93
COMPLETION INTERVAL: 4179' - 4568' (GBSA)

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.
30-025-26000

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-1

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
Central Vacuum Unit

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

8. Well Number: 140

2. Name of Operator
Chevron USA Inc

9. OGRID Number

3. Address of Operator
P.O. Box 7139, Midland, Texas 79708

10. Pool name or Wildcat
Vacuum Grayburg San Andres

4. Well Location
Unit Letter N : 10 feet from the South line and 2571 feet from the West line
Section 36 Township 17S Range 34E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3988' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type STEEL Depth to Groundwater 104 Distance from nearest fresh water well over 1000 Distance from nearest surface water

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

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	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.

1. Notify NMOCD 24 hrs. prior to MI&RU.
2. Set CIBP @ 4,210' (San Andres perfs 4,260;-4,702').
3. RIH, spot 25sx plug 4,210'-4,065' (San Andres – on top of CIBP). WOC Tag.
4. Displace hole w/MLF, 9.5 ppg brine w/12.5 gel p/bbl.
5. Spot 30sx plug 2,840'-2,640' (B. salt).
6. Spot 30sx plug 1,550'-1,350' (T.salt).
7. Spot 35sx plug 465'-surface (13-3/8" shoe, surface) WOC Tag.
8. Install dry hole marker.

Received DEC Hobbs OCD

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

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 M. Lee Roark TITLE Agent DATE 12/1/2005

Type or print name M. Lee Roark E-mail address: Telephone No. (432) 561-8600

For State Use Only

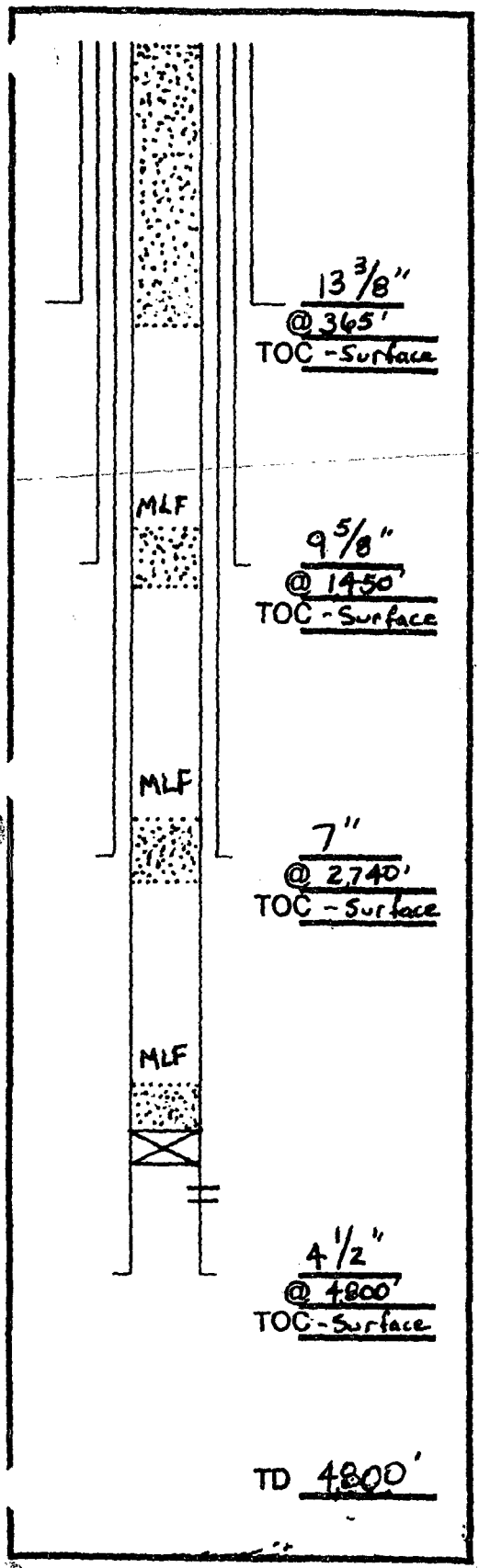
APPROVED BY: Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE DEC 06 2005

Conditions of Approval (if any):

PLUGGING & ABANDONMENT WORKSHEET (4 STRING CSNG)

OPERATOR Chevron USA Inc.
LEASENAME Central Vacuum Unit WELL # 140

SECT 36 TWN 17S RNG 34E
FROM 10 ☒S L 2571 ☒W L
TD: 4800' FORMATION @ TD San Andres
PBTD: 4784' FORMATION @ PBTD



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8"	365'	Surface	Circulated
INTMED 1	9 5/8"	1450'	Surface	Circulated
INTMED 2	7"	2,740'	Surface	Circulated
PROD	4 1/2"	4,800'	Surface	Circulated

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	4260' - 4702'
INTMED 2		OPENHOLE	-
PROD			

* REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)		*
YATES		
QUEEN		
GRAYBURG		
SAN ANDRES		
CAPITAN REEF		*
DELAWARE		
BELL CANYON		
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
GLORIETA		*
BLINEBRY		
TUBB		
DRINKARD		
ABO		
WC		
PENN		
STRAWN		
ATOKA		
MORROW		
MISS		
DEVONIAN		

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLE			
PLUG #1	OH	25 SXS	9850'
PLUG #2	SHOE	50 SXS	8700'-8800'
PLUG #X	CIBP/35'		5300
PLUG #3	CIBP	25 SXS	5300
PLUG #4	STUB	50 SXS	4600'-4700'
PLUG #7	RETNR SQZ	200 SXS	400
PLUG #8	SURF	10 SXS	0-10'
PLUG #1	S. Andres	CIBP	4,210'
PLUG #2	S. Andres	25sx	4,210'-4,065'
PLUG #3	B. Salt	30sx	2840'-2640'
PLUG #4	T. Salt	30sx	1,550'-1,350'
PLUG #5	13 3/8" S	35sx	465-Surface
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			
PLUG #			
PLUG #			

WELLBORE DIAGRAM

Created:	4/29/2003	By:	SMG				
Updated:	8/27/2008	By:	Glen Anderson				
Lease:	Central Vacuum Unit	Well No.:	140	Field:	Vacuum Grayburg San Andres		
Surface Location:	10' FSL & 2671' FWL	Unit Ltr:	N	Sec:	36	TSHP/Range:	17S-34E
Bottomhole Location:	Same	Unit Ltr:		Sec:		TSHP/Range:	
County:	Lea	St: NM	St Lease:	B-155-1	API:	30-025-26000	Cost Center:
Current Status:	Active Water Injection Well		Elevation:	3988' GL			TEPI: BCT493000
Directions to Wellsite:	Buckeye, New Mexico						MVP: BCT494500

Surface Csg.

Size:	13 3/8"
Wt.:	48#, K-55
Set @:	383'
Sxs cmt:	400
Circ:	Yes
TOC:	Surface
Hole Size:	17 1/2"

Intermediate Csg.

Size:	9 5/8"
Wt.:	36#, H-40
Set @:	1450'
Sxs Cmt:	800
Circ:	Yes
TOC:	Surface
Hole Size:	12 1/4"
DV Tool:	1521'-1523'

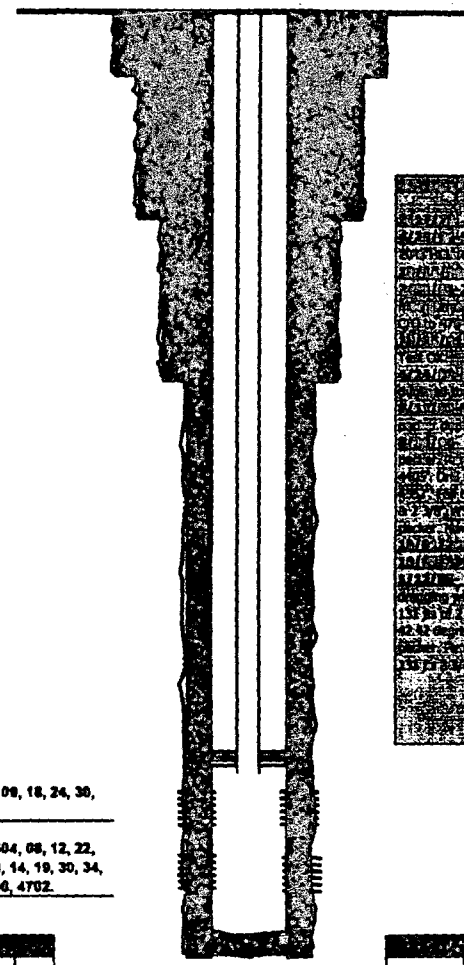
Intermediate Csg.

Size:	7"
Wt.:	23#, K-55
Set @:	2740'
Sxs Cmt:	650
Circ:	Yes
TOC:	Surface
Hole Size:	8 3/4"

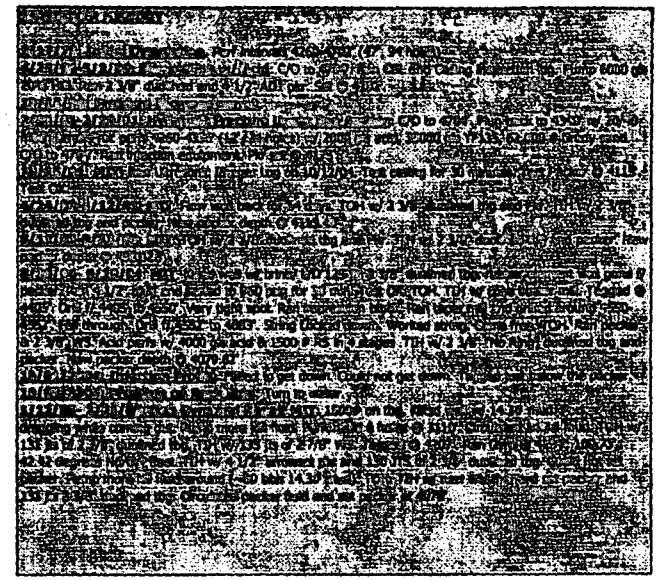
Production Csg.

Size:	4 1/2"
Wt.:	10.5#, K-55
Set @:	4800'
Sxs Cmt:	750
Circ:	Yes
TOC:	Surface
Hole Size:	7 7/8"

Perforations:	4260'-4702'
Upper San Andres	4260, 63, 66, 73, 82, 88, 4304, 09, 18, 24, 30, 36, 94, 96
Lower San Andres	4453, 56, 69, 76, 83, 89, 93, 4504, 08, 12, 22, 28, 35, 48, 78, 81, 94, 99, 4610, 14, 19, 30, 34, 42, 48, 53, 60, 67, 77, 84, 91, 96, 4702.



KB: 3,988
DF:
GL: 3,988
Original Spud Date: 12/15/1978
Original Compl. Date: 2/7/1979
KB: 10



TD 4,800 ft
PBTD 4,784 ft

ZONES

GB Marker	4,102		
GB Dol Top	4,218	35	
GB Dol Bott	4,250		
San Andres	4,253	167	14
LSA	4,420	228	33
O/W	4,700	84	
PBTD	4,784		
TOTAL		560	47
Gross / Net Ratio		8.3%	
Middle of Perforations:	4,560		

TUBING LANDING DETAILS

	KB		10.00	10.00
131	2 3/8" Duoline Tubing - NO RING	1.788	4058.70	4068.70
1	4-1/2" Weatherford Packer	1.991	6.30	4075.00
				4075.00
				4075.00
				4075.00
				4075.00
				4075.00
				4075.00

Packer set @ 4075.00

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 17S Range: 34E Sections: 36

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 12/01/2005

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	(Depth Water in Feet) Min	Max	Avg
L	17S	34E	36				2	102	105	104

Record Count: 2

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

State of New Mexico
Energy, Minerals and Natural Resources

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

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-25121
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. B-3936-1

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: New Mexico AA State NCT-4

1. Type of Well: Oil Well [ ] Gas Well [ ] Other SWD
2. Name of Operator: Chevron USA, Inc.
8. Well No. 4
3. Address of Operator: 15 Smith Rd. Midland, Tx 79705
9. Pool name or Wildcat: Vacum ABO REEF
4. Well Location
Unit Letter A : 919 feet from the north line and 401 feet from the east line
Section 10 Township 18-S Range 34-E NMPM County Lea
10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. 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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER:			[ ]	OTHER:			[ ]

12. 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 recompilation.

1. Notify OCD 24hrs prior to MI & RU
2. Set 5 1/2 CIBP @ 5000,spot 25sx plug 5000-4800(San Andres) WOC Tag.
3. Displace hole w/MLF, 9.5# Brine w/25# Gel P/BBL.
4. Spot 25sx plug 4100-3900(Queen)
5. Spot 25sx plug 3000-2800(B-salt) WOC Tag.
6. Spot 25sx plug 1875-1675(8 5/8 shoe,T-salt)WOC Tag.
7. Spot 30sx plug 300-surf(surf)WOC Tag.
8. Install dry hole marker.

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

SIGNATURE D.R. Bledsoe TITLE HES Specialist DATE 12/19/2002

Type or print name Telephone No.

(This space for State use)

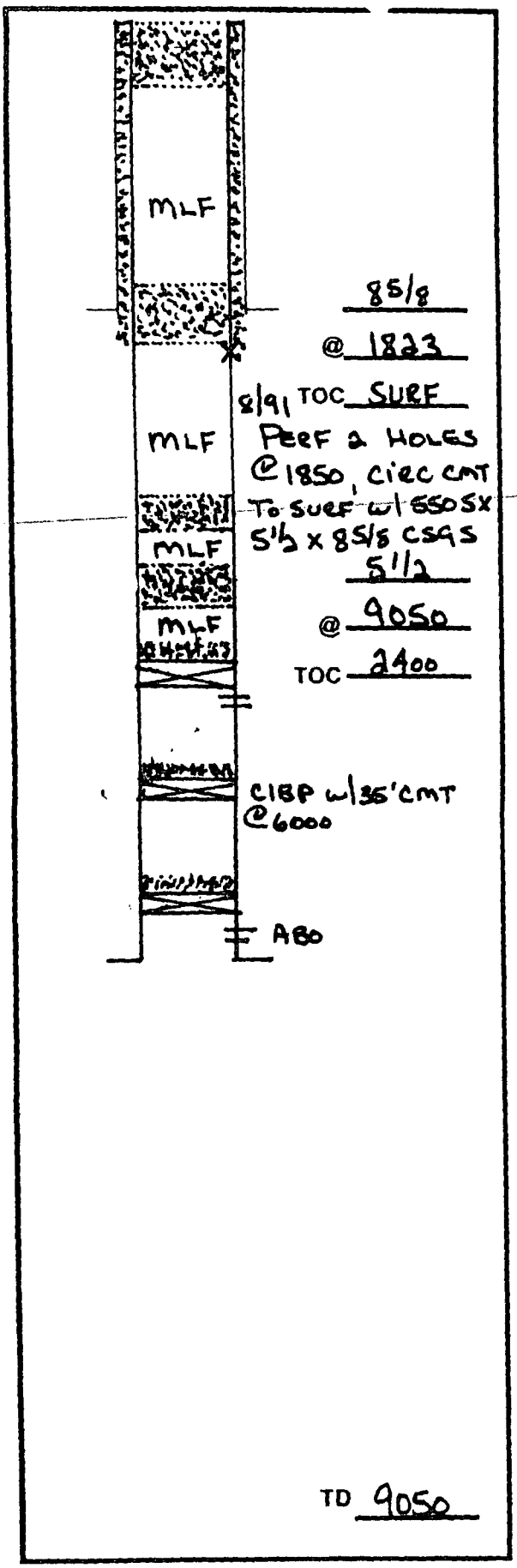
APPPROVED BY [illegible] TITLE [illegible] DATE

Conditions of approval, if any:

OC FIELD REPRESENTATIVE II/STAFF MANAGER

40.

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)



OPERATOR CHEVRON USA INC.
LEASE NAME NEW MEXICO "AA" STATE NCT-4
WELL # 4

SECT 10 TWN 18-S RNG 34-E
FROM 919 (N)S L 401 (E)W L ____
TD 9050 FORMATION @ TD ABO
PBTD ____ FORMATION @ PBTD SAN ANDRES

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	8 5/8	1823	SURF	CIRC
INTMED 1				
INTMED 2				
PROD	5 1/2	9050	2400	T.S

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL		TOP - BOTTOM
INTMED 1		PERFS	5055 - 5520
INTMED 2		OPENHOLE	
PROD			

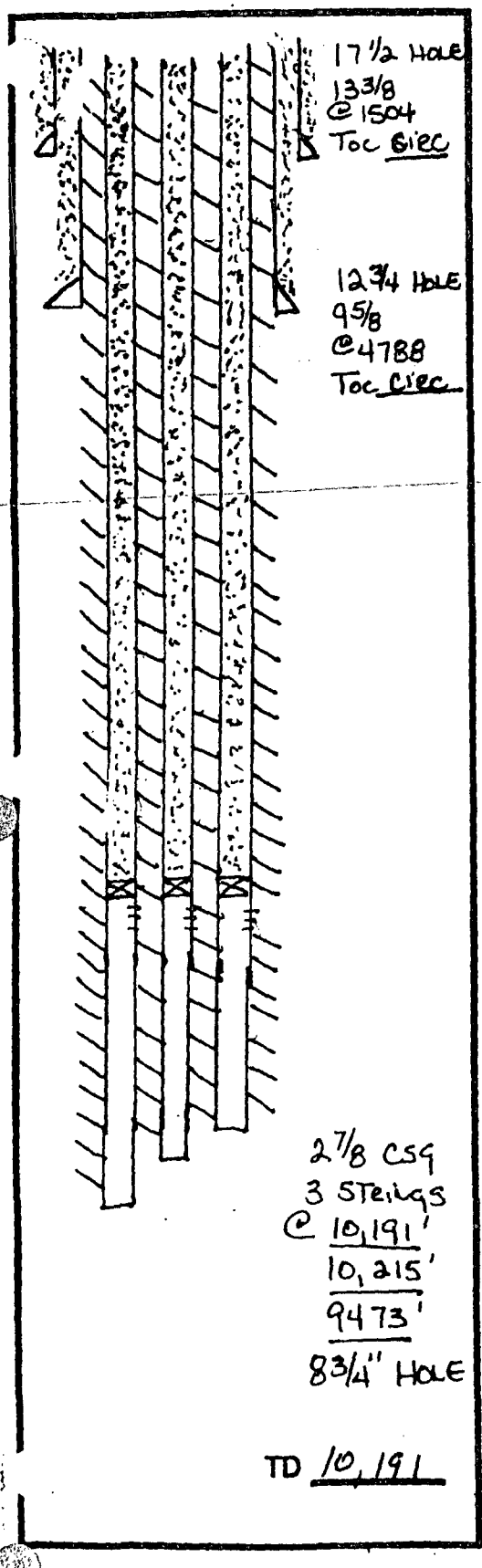
*REQUIRED PLUGS DISTRICT

			PLUG	TYPE PLUG	SACKS CEMENT	DEPTH
RUSTLER (ANHYD)		*	1	CIBP	25	5000
YATES			2	QUEEN	25	4100
QUEEN			3	B-SALT	25	3000
GRAYBURG			4	8 5/8 S	25	1875
SAN ANDRES			5	SURF	30	300
CAPITAN REEF		*				
DELAWARE						
BELL CANYON						
CHERRY CANYON						
BRUSHY CANYON						
BONE SPRING						
GLORIETA		*				
BLINBRY						
TUBB						
DRINKARD						
ABO						
WC						
PENN						
STRAWN						
ATOKA						
MORROW						
MISS						
DEVONIAN						

PLUGGING & ABANDONMENT WORKSHEET (1 STRING CSNG)

OPERATOR Texaco Exploration & Production
LEASENAME Vacuum Glorieta West Unit
WELL #

SECT D TWN 18S RNG 34E
FROM 560 N/S L 760 E/W L
TD: 10191 FORMATION @ TD Vacuum
PBTD: FORMATION @ PBTD Glorieta



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8	1504	Surf	Circ
INTMED 1	9 5/8	4788	Surf	Circ
INTMED 2	2 7/8	10,191	Surf	Circ
PROD	2 7/8	10,215	Surf	Circ

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1	2 7/8	9473	Surf	Circ	
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	-
INTMED 2		OPENHOLE	-
PROD			

* REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)		*
YATES		
QUEEN		
GRAYBURG		
SAN ANDRES		
CAPITAN REEF		*
DELAWARE		
BELL CANYON		
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
GLORIETA		*
BLINEBRY		
TUBB		
DRINKARD		
ABO		
WC		
PENN		
STRAWN		
ATOKA		
MORROW		
MISS		
DEVONIAN		

PLUG	TYPE PLUG	SACKS CMNT	DEPTH	
EXAMPLES				
PLUG #1	OH	35 SXS	1750'	
PLUG #2	SHOE	50 SXS	300'-400'	
PLUG #3	SURF	10 SXS	0-10'	
PLUG #1	CIBP	6075	6075 - Surf	Glorieta
PLUG #2	CIBP	6075	6075 - Surf	Glorieta
PLUG #3	CIBP	6075	6075 - Surf	Glorieta
PLUG #4				
PLUG #5				
PLUG #6				
PLUG #7				
PLUG #8				
PLUG #9				
PLUG #10				
PLUG #				
PLUG #				

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1301 W. Grand Ave., Artesia, NM 88210
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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.
30-025-20494

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1082-2

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
New Mexico M State

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

8. Well Number: 7

2. Name of Operator
Chevron USA Inc

9. OGRID Number

3. Address of Operator
P.O. Box 7139, Midland, Texas 79708

10. Pool name or Wildcat
Vacuum (Drinkard)

4. Well Location
Unit Letter F : 1800 feet from the North line and 1980 feet from the West line
Section 1 Township 18S Range 34E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
4010' DF

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type STEEL Depth to Groundwater 107 Distance from nearest fresh water well over 1000 Distance from nearest surface water

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

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	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.

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

1. Notify NMOCD 24 hrs. prior to MI&RU.
2. Set CIBP in "X" string @ 7,325' (Drinkard vent perfs).
3. Set CIBP in "Y" string @ 7,500' (Drinkard perfs).
4. RIH Tag PBTD in "Z" string @ 5,915' (Glorieta CIBP and cement).
5. Spot 105sx plug in "Z" string from 5,915'-1,700' (B. salt,Yates,San Andres,9-5/8" shoe) WOC Tag.
6. Spot 145sx plug in "Y" string from 7,500'-1,700' (B. salt,Yates,San Andres,9-5/8" shoe,Glorieta) WOC Tag.
7. Spot 140sx plug in "X" string from 7,325'-1,700' (B. salt,Yates,San Andres,9-5/8" shoe,Glorieta) WOC Tag.
8. Cut and pull 1,700' of each 2-7/8" string (X,Y,Z-total 5,100')
9. Spot 70sx plug from 1,700'-1,400' (stub,T. salt,13-3/8" shoe) WOC Tag.
10. Displace hole w/MLF, 9.5 ppg brine w/12.5 gel p/bbl.
11. Spot 20sx plug from 50'-surface' (surface) WOC Tag.
12. Install dry hole marker.

NOTE: See attached schematic for 2-7/8" tubing string identification.

Received DEC 2005 Hobbs OCD

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 M Lee Roark TITLE Agent DATE 12/8/2005

Type or print name M. Lee Roark E-mail address: Telephone No. (432) 561-8600

For State Use Only

APPROVED BY: TITLE DISTRICT SUPERVISOR/GENERAL MANAGER DATE DEC 14 2005

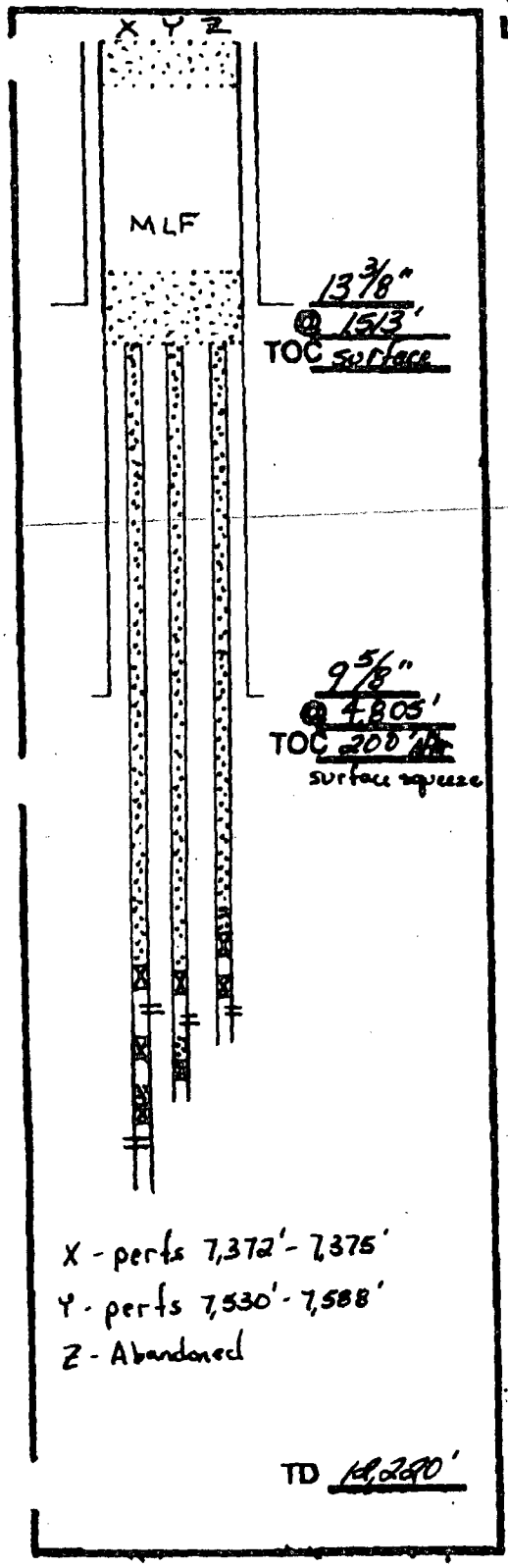
Conditions of Approval (if any):

43

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CONG)

OPERATOR: Chevron USA, Inc.
LEASENAME: New Mexico M State WELL # 7

SECT 1 TWN 18S RNG 34E
FROM 1800 N/S L 1990 E/W L
TD: 12,200' FORMATION @ TD Devonian
PBTD: 10,344' FORMATION @ PBTD Wolfcamp



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8"	1513'	surface	
INTMED 1	9 5/8"	4805'	200'	Temp. Svy.
Prod. X	2 7/8"	10,232'	1730'	Temp. Svy.
Prod. Y	2 7/8"	10,198'	1730'	Temp. Svy.
	SIZE	TOP	BOT	TOC DETERMINED BY
Prod Z	2 7/8"	7937'	1730'	Temp. Svy.

	CUT & PULL @		TOP - BOTTOM
Prod. X	1,700'	PERFS	-
Prod. Y	1,700'	OPENHOLE	-
Prod. Z	1,700'		

*REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
BLINEBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

	PLUG	TYPE PLUG	BACKS CMNT	DEPTH
	EXAMPLE			
	PLUG #1	OH	35 SXS	6400'
	PLUG #2	SHOE	50 SXS	5350'-5450'
	PLUG #3	CIBP/35'		4800'
*	PLUG #5	CIBP	25 SXS	4800'
	PLUG #4	STUB	30 SXS	3600'-3700'
	PLUG #5	RETNR SQZ	200 SXS	400'
	PLUG #6	SURF	10 SXS	0-10'
X	PLUG #8	CIBP		7,325'
Y	PLUG #9	CIBP		7,500'
Z	PLUG #1	★	105sx	6915'-1700'
Y	PLUG #4	★	145sx	7,600'-1700'
* X	PLUG #3	★	140sx	7,325'-1700'
	PLUG #6	Stub	70sx	1,700'-1400'
	PLUG #7	T. salt	—	———
	PLUG #8	13 3/8" shoe	—	———
	PLUG #9	Surface	20sx	50'-surface
	PLUG #10			
	PLUG #			
	PLUG #			

★ B. salt, Yates, San Andres, 9 5/8" shoe
Glorieta

CURRENT WELLBORE DIAGRAM

Created:	12/22/2003	**By:** SMG/MCD					
Updated:		**By:**					
Lease:	New Mexico M State	**Well No:** 7			**Field:** VacuumDrinkard		
Surface Location:	1800' FNL & 1980' FWL	**Unit Ltr:** F	**Sec:** 1		**TSHP/Range:** 18S-34E		
Bottomhole Location:	Same	**Unit Ltr:**	**Sec:**		**TSHP/Range:**		
County:	Lea	**St:** NM	**St Lease:** B-1080-2		**API:** 30-025-20494	**Cost Center:**	UCT494400
Current Status:	Active Oil Well		**Elevation:** 4010' DF				
Directions to Wellsite:	Buckeye, New Mexico						

Surface Casing
Size: 13 3/8"
Wt.: 54.5#
Set @: 1513'
Sxs cmt: 1100
Circ: Yes
TOC: Surface
Hole Size: 17 1/2"

Intermediate Casing
Size: 9 5/8"
Wt.: 40#
Set @: 4805'
Sxs Cmt: 1700
Circ:
TOC: 200'
Hole Size: 12 1/4"

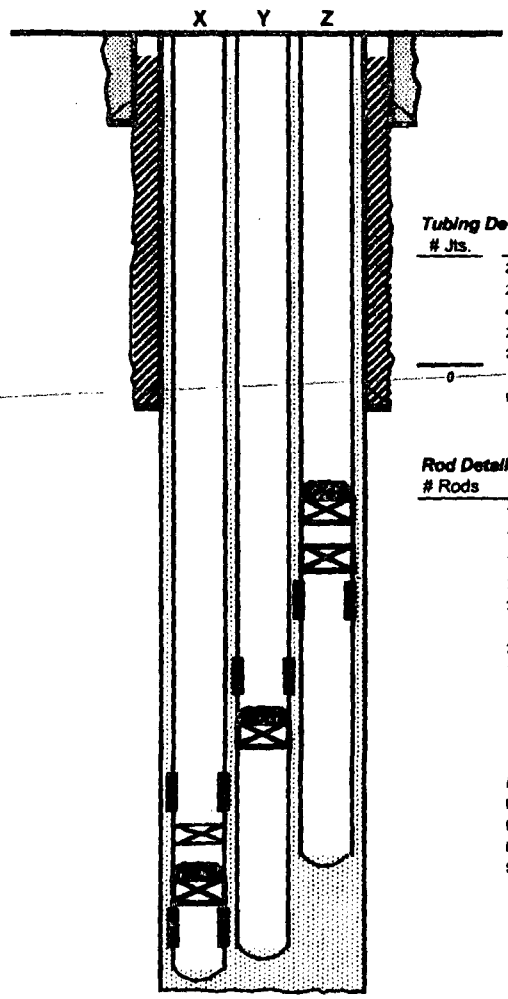
Total Depth: 12220'

X String (Wolfcamp)
Size: 2 7/8"
Wt.: 6.4#, J-55
Set @: 10232'
TOC: 1730'
CIBP: 9895' (capped w/35' cmt)
X String PBTD: 9860'

Y String (Drinkard)
Size: 2 7/8"
Wt.: 6.4#, J-55
Set @: 10198'
TOC: 1730'
CIBP: 7930' (capped w/35' cmt)
Y String PBTD: 7895'

Z String (Glorieta)
Size: 2 7/8"
Wt.: 6.4#, J-55
Set @: 7937'
TOC: 1730'
CIBP: 6100'
CIBP: 5950' (capped w/35' cmt)
Z String PBTD: 5915'

Combined sacks of cement for X, Y, Z strings: 2087



TD: 12220

KB: 4011'
DF: 4010'
GL: 3994'
Original Spud Date: 7/26/1963
Original Compl. Date: 9/15/1963
Recompletion Compl. Date: 5/1/1993

Tubing Detail **Date: 4/08/03**

# Jts.	Size	Footage
	2 7/8" J55 10 V bare cl. 'B'	
	2 3/8" J55 bare cl. 'B'	
	4 1/2" x 2 3/8" Baker type TAC	
	2 3/8" J55 bare cl. 'B'	
	2 3/8" S/N	
0	Pump Intake	0.00
	Perf sub	
	EOT	0.00

Rod Detail **Date:**

# Rods	Size	Footage
	1-1/2" X 26' PDR	
	1" Grade D cl 'B' bare pony rods	
	1" Grade D cl 'B' bare rods	
	7/8" Grade D cl 'B' bare rods	
	3/4" Grade D cl 'B' bare rods	
	1-1/2" cl 'B' bare sinker bars	
	2.0" X 1.25" HHBC	
	1-1/4" Gas Anchor	
		0.00

Pump Detail **Date:**
Barrel:
Plunger:
Pump: Total Fit
Seats:

Perforations
X String (Wolfcamp)
7372'-7375 w/ 2 SPF (8 holes) vent string for Drinkard string (7/8/95)
~~9967'-9970'; 9977'-9979'; 9992-9994'~~ **All Perfs Plugged Back**
10041'-10043' **All Perfs Plugged Back**

Report filed 6/19/93 shows CIBP set @ 7,400'.

Y String (Drinkard)
7530'-7588', (2 JSPF; 52 perf ft-104 holes)
7606'-7666', (2 JSPF; 49 perf ft-98 Holes)

Z String (Glorieta)
6283'-6418' (SPI; 31 int, 62 shots) **All Perfs Plugged Back**

Remarks:

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 18S Range: 34E Sections: 1

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) Non-Domestic Domestic All

Well / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | WATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 12/08/2005

							(Depth Water in Feet)		
Bsn	**Tws**	**Rng**	**Sec**	**Zone**	**X**	**Y**	**Wells**	**Min**	**Max**	**Avg**
L	18S	34E	01				5	100	115	107

Record Count: 5

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-20008

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. B-155-1

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: New Mexico O NCT-1

1. Type of Well: Oil Well [X] Gas Well [ ] Other

2. Name of Operator: Texaco Exploration & Production, Inc.

8. Well No. 14

3. Address of Operator: P. O. Box 3109, Midland, TX 79702

9. Pool name or Wildcat: Vacuum Wolfcamp-ABO

4. Well Location

Unit Letter J : 1874 feet from the South line and 2086 feet from the East line

Section 36 Township 17S Range 34E NMPM County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. 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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER:			[ ]	OTHER:			[ ]

12. 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 recompilation.

1. RU Wolfcamp String. Set 2 7/8" CIBP @ 9900', fill 2 7/8" Csg w/125 Sx plug 9900'-4900' (Wolfcamp) WOC Tag
2. RU ABO String. Set 2 7/8" CIBP @ 9120', fill 2 7/8" Csg w/110 Sx plug 9120'-4900'(Wolfcamp) WOC Tag
3. RU Blinebry String. Set 3 1/2" CIBP @ 9975', fill 3 1/2" Csg w/185 Sx plug 9975'-4900' (Wolfcamp-ABO) WOC Tag
4. Cut 3 Csg strings @ 4900' L/D Csgs
5. Spot 90 Sx plug 4900'-4700' (9 5/8" shoe) WOC Tag
6. Displace hole w/MLF, 9.5# Brine w/25# gel P/BBL
7. Spot 90 Sx plug 3600'-3400'(Queen)
8. Spot 90 Sx plug 2900'-2700' (Yates-B-Salt)
9. Perf 9 5/8" Csg w/6 holes @ 1620', Sqz 150 Sx plug 1620'-1300' (13 3/8" shoe, T-Salt) WOC Tag
10. 10 Sx Surface, Install Dry hole marker.

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS FOR THE C-103 TO BE APPROVED.

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

SIGNATURE J. T. Corbett TITLE FACILITY ENGINEER DATE 3/29/01

Type or print name JAMES T. CORBITT Telephone No. 915 688-4438

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

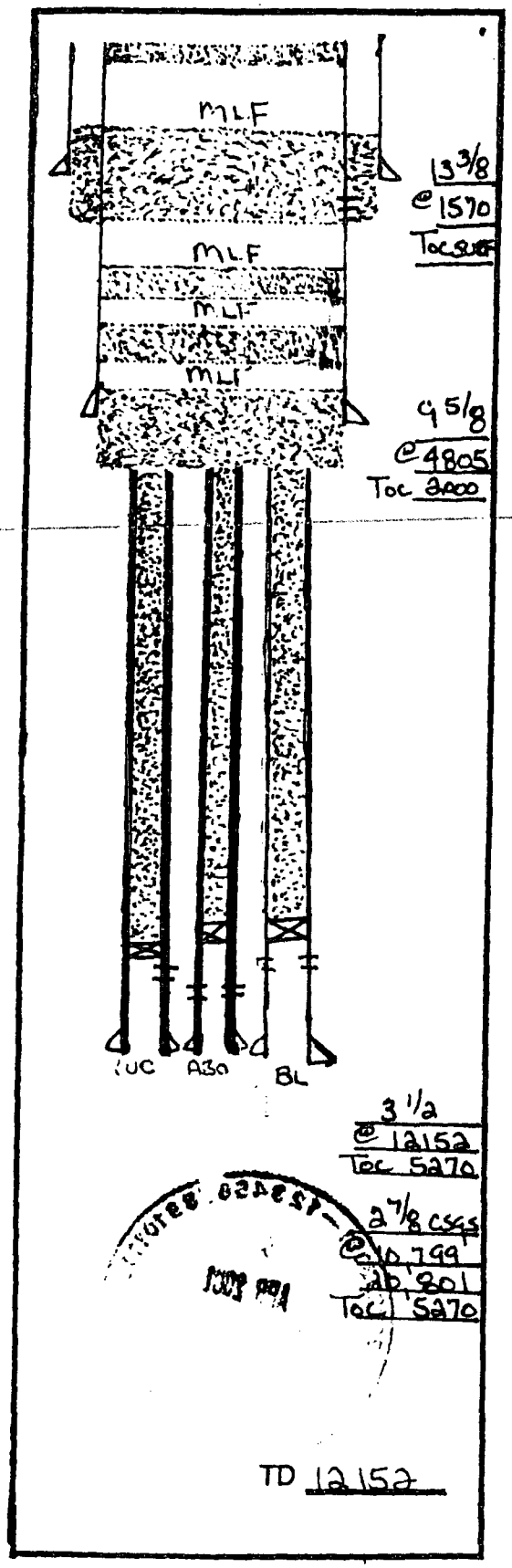
Conditions of approval, if any:


APR 2001

PLUGGING & ABANDONMENT WORKSHEET (1 STRING CSNG)

OPERATOR Texaco Exploration & Production
LEASENAME New Mexico O NCT-1
WELL # 14

SECT 36 TWN 17S RNG 34E
FROM 1874 N/S L 2086 E/W L
TD: 12152 FORMATION @ TD Wolfcamp
PBTD: 11070 FORMATION @ PBTD Abo



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8	1570	SURF	CIRC
INTMED 1	9 5/8	4805	2000	CBL
INTMED 2	2 7/8	10,799	5270	CBL
PROD	2 7/8	10,801	5270	CBL

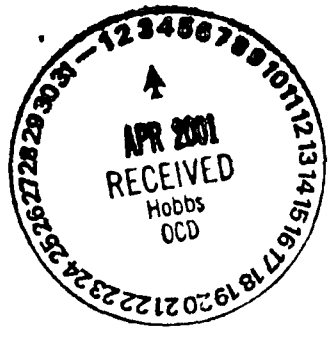
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1	3 1/2	12,152	5270	CBL	
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	10,331 - 10,336
INTMED 2		OPENHOLE	-
PROD			

* *REQUIRED PLUGS DISTRICT I*

RUSTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
BLINEBRY	
TUBB	
DRINKARD	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	1750'
PLUG # 2	SHOE	50 SXS	300'-400'
PLUG # 3	SURF	10 SXS	0-10'
PLUG #1	CIBP	125 SX	9900-4900
PLUG # 2	CIBP	110 SXS	9130-4900
PLUG # 3	CIBP	185 SX	9975-4900
PLUG # 4	9 5/8 S	90 SX	4900-4700
PLUG # 5	QUEEN	90 SX	3600-3400
PLUG # 6	YATES	90 SX	2900-2700
PLUG # 7	13 3/8 S	150 SX	1620-1300
PLUG # 8	SURF	10 SX	10-SURF
PLUG # 9			
PLUG # 10			
PLUG #			
PLUG #			


APR 2001
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Hobbs
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Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-20125
5. Indicate Type of Lease STATE [XX] FEE [ ]
6. State Oil & Gas Lease No. B-155-1

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: New Mexico O State NCT-1

1. Type of Well: Oil Well [X] Gas Well [ ] Other

2. Name of Operator: Texaco Exploration & Production, Inc.

8. Well No. 17

3. Address of Operator: P. O. Box 3109, Midland, TX 79702

9. Pool name or Wildcat: Vacuum Wolfcamp, Vacuum Upper Penn, Vacuum Devonian

4. Well Location

Unit Letter N : 760 feet from the South line and 2080 feet from the West line

Section 36 Township 17S Range 34E NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

11. 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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER:			[ ]	OTHER:			[ ]

12. **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 recompilation.

1. RU on Y-Side, RIH set 2 7/8" CIBP @ 9350' (Penn) above collapsed csg @ 9358' fill 2 7/8" csg w/185 Sx plug 9350-'1625' WOC Tag.
2. RU on Z-Side, RIH tag CIBP @ 9300' (Devonian) fill 3 1/2" csg w/275 Sx plug 9300'-1625' WOC Tag
3. RU on X-Side, RIH Tag CIBP @ 9000' (Wolfcamp) Fill 2 7/8" csg w/180 Sx plug 9000'-1625' WOC Tag.
4. Cut 3 csg strings @ 1625', L/D csgs.
5. Perf 9 5/8" csg w/6 holes @ 1625', Sqz 150 Sx 1625'-1200' (T-Salt- 13 3/8" shoe) WOC Tag.
6. Displace hole w/MLF, 9.5# Brine w/25# gel P/BBL.
7. 10 Sx Surf, Install dry hole marker.

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

SIGNATURE James T. Corbitt TITLE FACILITY ENGINEER DATE 4/16/01

Type or print name JAMES T. CORBITT Telephone No. 915 688-4438

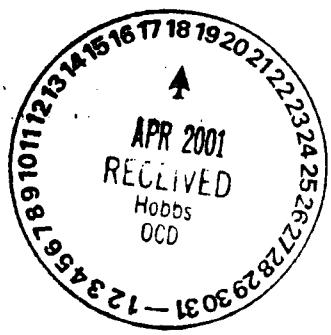
(This space for State use)

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

TC

51.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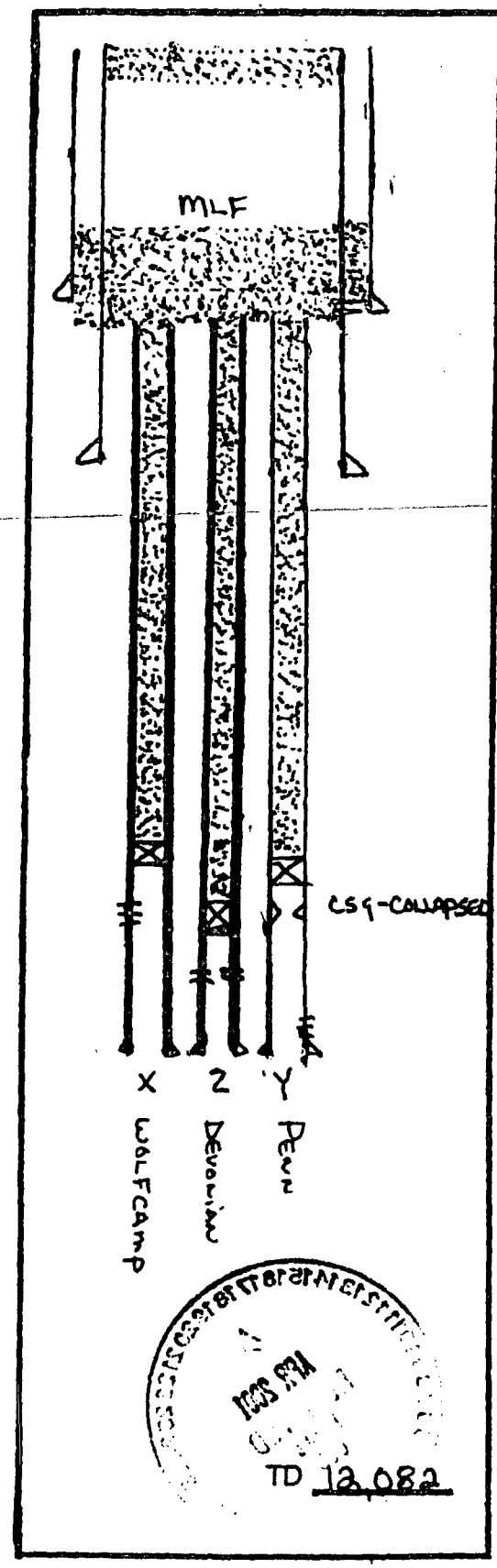
PLUGGING & AB NDONMENT WORKSHEET (1 STRING CSNG)

OPERATOR Texaco Exploration & Production
LEASENAME New Mexico D NCT-1
WELL # 17

SECT 36 TWN 17S RNG 34E
FROM 760 N/S L 2080 E/W L
TD: 12,082 FORMATION @ TD ABO
PBTD: 9358 FORMATION @ PBTD Wolfcamp



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	13 3/8	1612	SURF	Circ
INTMED 1	9 5/8	4750	2700	2700 TS
INTMED 2	2 7/8	10,975	1625	TS
PROD	3 1/2	12,082	1625	TS

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1	2 7/8	10,964	1625	TS	
LINER 2					

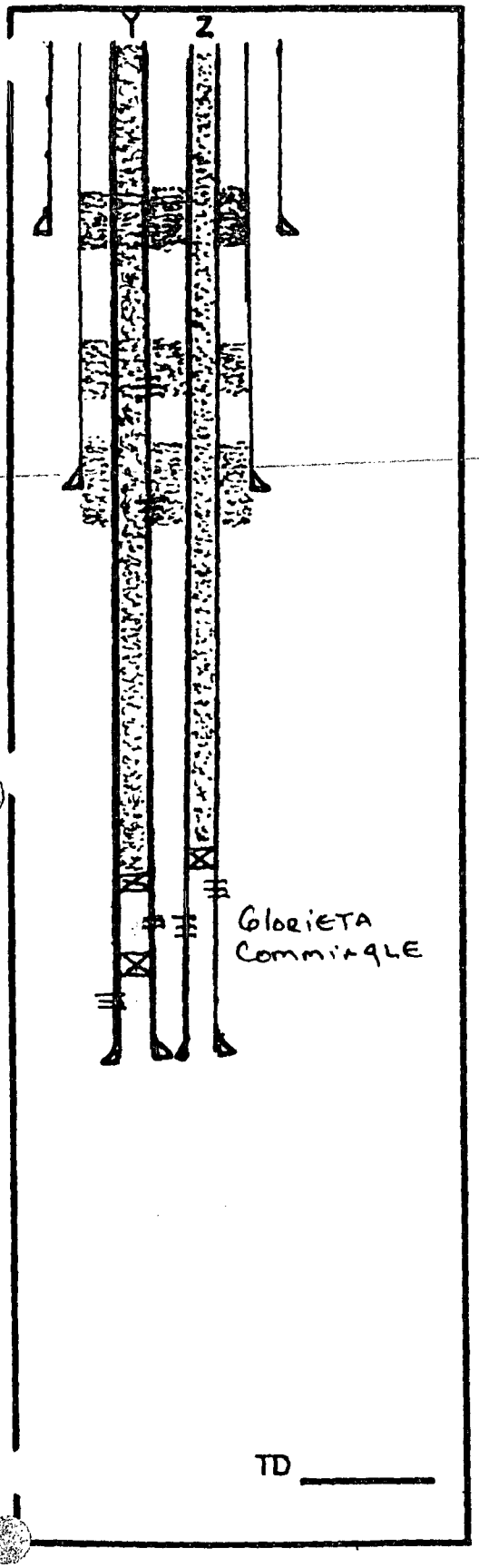
	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	-
INTMED 2		OPENHOLE	-
PROD			

* *REQUIRED PLUGS DISTRICT I*

RUSTLER (ANHYD)		*
YATES		
QUEEN		
GRAYBURG		
SAN ANDRES		
CAPITAN REEF		*
DELAWARE		
BELL CANYON		
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
GLORIETA		*
BLINEBRY		
TUBB		
DRINKARD		
ABO		
WC		
PENN		
STRAWN		
ATOKA		
MORROW		
MISS		
DEVONIAN		

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	1750'
PLUG # 2	SHOE	50 SXS	300'-400'
PLUG # 3	SURF	10 SXS	0-10'
PLUG #1	PENN	185SX	9350-1625
PLUG # 2	DEVONIAN	275 SX	9300-1625
PLUG # 3	WOLFCAMP	180SX	9000-1625
PLUG # 4	STUB	150SX	1625-1200
PLUG # 5	SURF	185X	10-SURF
PLUG # 6			
PLUG # 7			
PLUG # 8			
PLUG # 9			
PLUG # 10			
PLUG #			
PLUG #			

PLUGGING & ABANDONMENT WORKSHEET (1 STRING CSNG)



OPERATOR Texaco Exploration & Production

LEASENAME Vacuum Glorieta West Unit WELL # 101

SECT 36 TWN 17S RNG 34E

FROM 600 N/S L 1900 E/W L

TD: 6800 FORMATION @ TD Blinebry

PBTD: 6766 FORMATION @ PBTD Glorieta

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	11 3/4	1520	SURF	CIRC
INTMED 1	8 5/8	3300	2800	CALC
INTMED 2	2 7/8	6794	3300	CBL
PROD	2 7/8	6787	3300	CBL

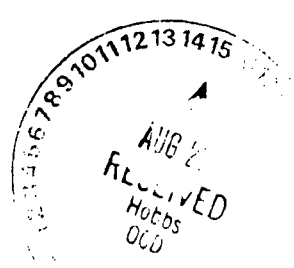
	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	-
INTMED 2		OPENHOLE	-
PROD			

* *REQUIRED PLUGS DISTRICT I*

RUSTLER (ANHYD)		*
YATES		
QUEEN		
GRAYBURG		
SAN ANDRES		
CAPITAN REEF		*
DELAWARE		
BELL CANYON		
CHERRY CANYON		
BRUSHY CANYON		
BONE SPRING		
GLORIETA		*
BLINEBRY		
TUBB		
DRINKARD		
ABO		
WC		
PENN		
STRAWN		
ATOKA		
MORROW		
MISS		
DEVONIAN		

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	1750'
PLUG #2	SHOE	50 SXS	300'-400'
PLUG #3	SURF	10 SXS	0-10'
PLUG #1	Glorieta	145 SX	5875-SURF
PLUG #2	Blinebry	70 SX	6100-3400
PLUG #3	8 5/8 S	50 SX	3400-3200
PLUG #4	YATES	50 SX	2800-2600
PLUG #5	11 3/4 S	75 SX	1575-1200
PLUG #6	SURF	10 SX	10'-SURF
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
PLUG #			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Hobbs
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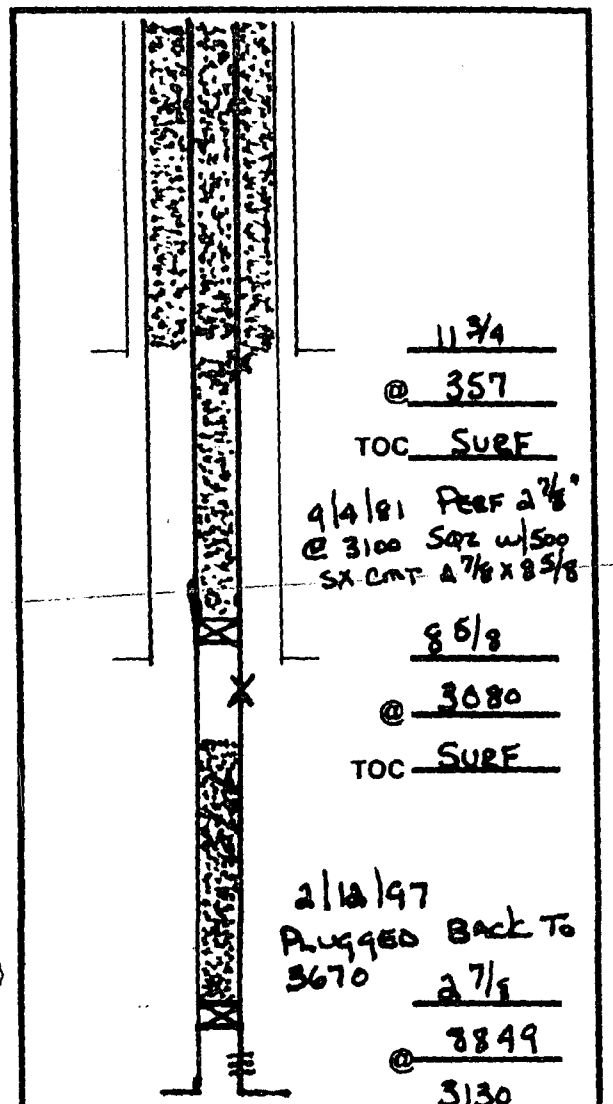
PLUGGING & ABANDONMENT WORKSHEET (3 STRING CSNG)

OPERATOR Chevron USA Inc.
LEASE NAME New Mexico R State (NCT-1)
WELL # 6

SECT 6 TWN 18-S RNG 35-E
FROM 2310 N/S L 760 E/W L
TD 8850 FORMATION @ TD Vacuum ABO
PBTD FORMATION @ PBTD Yates



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	11 3/4	357'	SURF	Circ
INTMED 1	8 5/8	3080	SURF	Circ
INTMED 2				
PROD	2 7/8	8849	SURF	3130

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL		TOP - BOTTOM
INTMED 1		PERFS	3080 - 3100
INTMED 2		OPENHOLE	
PROD			

*REQUIRED PLUGS DISTRICT

			PLUG	TYPE PLUG	SACKS CEMENT	DEPTH
RUSTLER (ANHYD)		•	1	Yates	65	3050
YATES			2	11 3/4 S	100	420
QUEEN						
GRAYBURG						
SAN ANDRES						
CAPITAN REEF		•				
DELAWARE						
BELL CANYON						
CHERRY CANYON						
BRUSHY CANYON						
BONE SPRING						
GLORIETA		•				
BLINBRY						
TUBB						
DRINKARD						
ABO						
WC						
PENN						
STRAWN						
ATOKA						
MORROW						
MISS						
DEVONIAN						

5K

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-025-02224

5. Indicate Type of Lease STATE [x] FEE [ ]

6. State Oil & Gas Lease No. B-2317

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 [x] Gas Well [ ] Other

7. Lease Name or Unit Agreement Name: STATE 35 UNIT

2. Name of Operator: Phillips Petroleum Company

8. Well No. 009

3. Address of Operator: 4001 Penbrook Street Odessa, TX 79762

9. Pool name or Wildcat: VACUUM GRAYBURG/SAN ANDRES

4. Well Location

Unit Letter E : 1980 feet from the NORTH line and 660 feet from the WEST line

Section 35 Township 17S Range 34E NMPM County LEA

10. Elevation (*Show whether DR, RKB, RT, GR, etc.*) 4016' GR

11. 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	[x]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND CEMENT JOB	[ ]		
OTHER:	[ ]			OTHER:			[ ]

12. 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 recompilation.

01. MIRU Plug and Abandon Unit. NU PPCO Class 1 BOPE.
02. Gih w/ 2-3/8" ws and tag cibp @ 4030'. Mix and circulate wellbore with 9.5 Mud Laden Fluid (MLF).
03. Pump plug No. 1 - 70 sxs 3550'-4030'. Covers the San Andres, Grayburg & Queen.
04. Pump plug No. 2 - 25 sxs 3000'-2885'. Covers the TOC of production casing @ 2935'.
05. Ru wireline truck. Gih and perforate 7" casing, 4 spf at 2870', 4 holes.
06. Gih w/ ws and AD-1 rental packer to 2600' and set packer.
07. Pump plug #3 - Squeeze 65 sxs cement 2870'-2720'. Displace 50' below packer. WOC & TAG. Covers the Yates.
08. Release packer & pooh. RU wireline truck and perforate 7" casing, 4 SPF at 1660', 4 holes.
09. Gih w/ ws and AD-1 rental packer to 1350' and set packer.
10. Pump plug #4 - squeeze 65 sxs cement 1660'-1492'. Displace 50' below packer. WOC & TAG. Covers the salt top and surface casing shoe.

CONTINUED ON BACK

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

SIGNATURE May Kilgore for L. M. Sanders TITLE SUPERVISOR, REG./PRORATION DATE 8-10-01

Type or print name L. M. Sanders Telephone No. (915)368-1488

(This space for State use)

APPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS

dm
5/

11. Release packer, pooh to 400'. Ld workstring and packer. TIH to 400'.
12. Pump plug No. 5 – Pump surface plug 75 sxs 400'-0. Isolates fresh water.
13. Cut off casing and wellheads 3' below GL and cap well. Install Dry Hole marker. Perform reclamation work.

PLUG AND ABANDON WELL PROCEDURE
STATE 35 UNIT # 9

NOTE: Cement used is Class "C", density of 14.8 ppg, yield of 1.32 cubic feet per sack.

1. Notify NMOCD at (505) 393-6161 24 hrs. prior to initiating plugging operations.

2. MIRU Plug & Abandon Package. NU PPCo. Class 1 BOPE.

3. GIH w/ 2-3/8" WS and tag CIBP @ 4030'. Mix and circulate wellbore with 9.5 Mud Laden Fluid (MLF).

4. Pump Plug No. 1. 70 sx, 3550 – 4030'. Covers the San Andres, Grayburg, & Queen.

5. LD Workstring to 3000'.

6. Pump Plug No. 2. 25 sx, 3000 – 2885'. Covers the TOCof Production casing @ 2935'.

7. LD Workstring to 2600' & POOH.

8. RU Wireline truck, GIH and Perforate 7" csg,4 SPF at 2870', 4 holes. POOH. RD Wireline..

9. GIH w/ WS and AD-1 rental packer to 2600'& Set Packer. Attempt to establish pump in rate via 5-1/2" x 8-5/8 annulus. Maximum pressure of 1200# psi @ 2 bpm. (If unable to obtain rate notify Drlg Supt before proceeding.)

10. Pump Plug #3. Squeeze 65 sx cement 2870 - 2720'.Displace 50' below packer . WOC & TAG. Covers the Yates.

11. Release packer & POOH. RU WL truck & perforate 7" csg,4 SPF at 1660', 4 holes. POOH. RD Wireline..

12. GIH w/ WS and AD-1 rental packer to 1350'& Set Packer. Attempt to establish pump in rate via 5-1/2" x 8-5/8 annulus. Maximum pressure of 1200# psi @ 2 bpm. (If unable to obtain rate notify Drlg Supt before proceeding.)

13. Pump Plug #4. Squeeze 65 sx cement 1660 - 1492'.Displace 50' below packer. WOC & TAG. Covers the Salt Top and Surface Casing Shoe.

14. Release Packer, POOH to 400', LD Workstring & packer. TIH to 400'

15. Pump Plug No. 5. Pump Surface plug 75 Sxs. 400 – 0'. Isolates fresh water.

16. Cut off casing and wellheads 3' below GL and cap well. Install Dry Hole marker. Perform reclamation work.

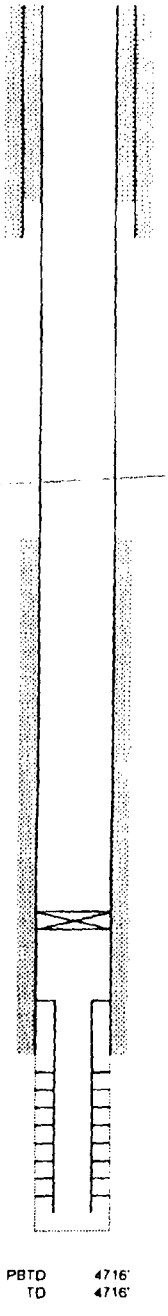
WELLBORE SKETCH
PHILLIPS PETROLEUM COMPANY - PERMIAN PROFIT CENTER

Date August 7, 2001

RKB @ 4026.8'
DF @
GL @ 4016.3'

Well Category	One
Subarea	BUCKEYE
Lease & Well No	STATE 35 UNIT #9
Legal Description	1980' FNL & 660' FWL, Sec 35, T17S, R34E
County	Lea State New Mexico
Field	Vacuum GB/SA
Date Spudded	11/1938 IPF 12/30/38, 24 BO, 10 MCFG IN 6 HRS
API Number	30-025-02224

PPCO WI 100%



12 1/2" hole

4 Squeeze holes @ 1400'
300 sx cmt Circulated

9-5/8" Surface Casing @ 1547'
36# LW
Cmt'd 0' to 1547' w/890 sx
TOC @ surface, circulated

8-1/4" Hole

TOC @ 2935' (CBL)

CIBP Set @ 4030' (03/01)

7" Csg @ 4172'
24# SS
Cmt'd w/400 sx; TOC @ 2935' (CBL)

Grayburg/San Andres Perforations
4478'-4708' w/2 SPF (460 holes)

4 1/2" 11.6# K-55 ST&C Liner
Set @ 4709' w/ liner hanger @ 4037'
Not Cemented

Open Hole:
8 1/4" 4172-4185'
6 1/4" 4185-4716'

PBTD 4716'
TD 4716'

Formation Tops:

Top Salt	1710'
Yates	2820'
Queen	3747'
Grayburg	4100'
San Andres	4496'

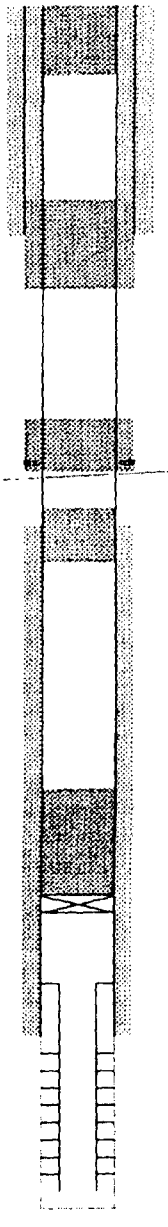
WELLBORE SKETCH
PHILLIPS PETROLEUM COMPANY - PERMIAN PROFIT C.

Date August 7, 2001

RKB @ 4026.8'
DF @
GL @ 4016.3'

Well Category One
Sucarea BUCKEYE
Lease & Well No STATE 35 UNIT #9
Legal Description 1980 FNL & 660 FWL, Sec. 35, T17S, R34E
County Lea State New Mexico
Field Vacuum GB/SA
Date Spudded 11/1938 IPI 12/30/38, 24 BO, 10 MCFG IN 6 HRS
API Number 30-025-02224

PPCO WI 100%



Plug #5, 75 sx, interval 400 - 0
(Surface Plug)
12 1/2" hole

4 Squeeze holes @ 1400'
300 sx cmt. Circulated

9-5/8" Surface Casing @ 1547
36# LW
Cmt'd 0' to 1547' w/890 sx
TOC @ surface, circulated

Plug #4, 65 sx, interval 1660 - 1492
(covers Top Salt & Csg shoe)

Perforate 4 SPF @ 1660', 4 holes
Sqeeze 25 sx cmt, to 1497'

8-1/4" Hole

Plug #3, 65 sx, interval 2720-2870', TOC @ 2720' (calculated)
(covers Yates)

Plug #2, 25 sx, interval 3000-2885', TOC @ 2720' (calculated)
TOC @ 2935' (CBL)

Plug #1,70 sx, interval 4030 - 3560
(covers San Andres,Grayburg,& Queen)
CIBP Set @ 4030' (03/01)

7" Csg @ 4172'
24# SS
Cmt'd w/400 sx TOC @ 2935' (CBL)

Grayburg/San Andres Perforations
4478'-4708' w/2 SPF (460 holes)

4 1/2" 11.6# K-55 ST&C Liner
Set @ 4709' w/ liner hanger @ 4037'
Not Cemented

Open Hole
8 1/4" 4172-4185'
6 1/4" 4185-4716'

PBTD 4716'
TD 4716'

Formation Tops
Top Salt 1710'
Yates 2820'
Queen 3747'
Grayburg 4100'
San Andres 4496'

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
Revised June 10, 2003

WELL API NO. 30 025 33416

5. Indicate Type of Lease STATE [X] FEE [ ]

6. State Oil & Gas Lease No. B 2317

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: State 35 Unit

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number: 20

2. Name of Operator: McGowan Working Partners, Inc.

9. OGRID Number

3. Address of Operator: P O Box 55809, Jackson MS 39296-5809

10. Pool name or Wildcat

4. Well Location

Unit Letter J : 1926 feet from the south line and 2430 feet from the east line

Section 35 Township 17S Range 34E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)

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	[X]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	PLUG AND ABANDONMENT	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPLETION	[ ]	CASING TEST AND 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.

10/28/03 - Run in hole, tag CIBP at 4360', dump bale 5 sacks Class A on CIBP -35'
- Fill casing with 9.5# mud ±4316' to 3460'
- Run in hole with packer locate casing leaks, squeeze 50 sacks Class A out and leave 23 sacks inside with cement 200' above casing leak

10/29/03 - Tag plug and pressure test to 500 psi
- Fill casing with 9.5# mud ±3120' to 1500'
- Pump 23 sacks Class A cement 1500' to 1300' — TAG
- Fill casing with 9.5# mud ±1300' to 60'

10/30/03 - Pump 10 sacks Class A cement plug 60 - 4'
- Cut off casing 4.0' below surface; weld 1/2" steel plate on 4.0" pipe 4.0' above ground level
- Weld on legal P&A marker.

OCT 2003 RECEIVED Hobbs OCD

THE COMMISSION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS FOR THIS C-103 TO BE APPROVED.

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

SIGNATURE [signature] TITLE Regulatory Officer DATE 10/07/03

Type or print name Arnold H. Chapman E-mail address: chappy@mcgowanwp.com Telephone No. 601-982-3444

(This space for State use)

APPPROVED BY Gary W. Wink TITLE OC DISTRICT SUPERVISOR/GENERAL MANAGER DATE OCT 16 2003

Conditions of approval, if any:

42.

Spud 08/05/56

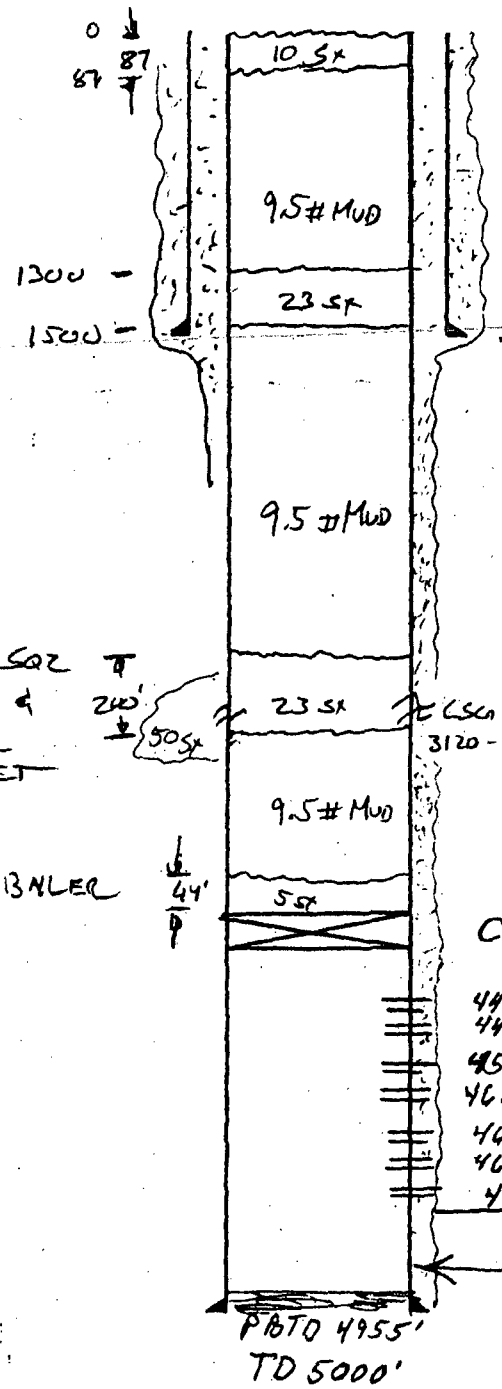
RKB 4032'
DF 4031'
GL 4016'

Legal Description
1926' FSL & 2430' FEL
Sec 35, T-17S R-34E
Lea County N.M.

60'(.1349)/1.18 = 7 Sx

Proposed P&A Plan
State 35 Unit No. 20
Formerly ME Hole No 24
API 30 025 33416
Vacuum Field Lea County N.M.

NTS
10/07/03



8 5/8" 24.0# To 1599'
in 12 1/4" Hole w/ 850 Sx
TOC @ Surf Circ 124 Sx

200(0.1349)/1.18 = 23 Sx

Locate Csg Leak & Sqz
50 Sx Class A out &
Leave 23 Sx inside
with cmt 200 feet
above Csg Leak
200(.1349)/1.18 = 23 Sx
5 Sx placed by Bailer

Csg Lk 3120-3456

06/02 Set CIBP @ 4360'
Tested Csg using PKR & Tbg
Csg from 3120-3456' Failed
Pressure Test.

CIBP @ 4360'

4410-4438' w/2SPF 56 Holes
4442-4468' w/2SPF 52 Holes
4542-4606' w/2SPF 28 Holes
4616-4626' w/2SPF 20 Holes
4660-4678' w/2SPF 36 Holes
4682-4710' w/2SPF 56 Holes
4717-4742' w/2SPF 50 Holes

5 1/2, 15.5# To 5000'
in 7 7/8" Hole w/ 1050 Sx
TOC @ Surf Circ 147 Sx
0.0240 BPF (0.1349 cfpf)
ID - 4.950

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
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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
Revised March 25, 1999

WELL API NO.
30-025-02253

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
857948

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

7. Lease Name or Unit Agreement Name:
Vacuum Grayburg San Andres Unit

2. Name of Operator
Chevron

8. Well No. 28

3. Address of Operator
15 Smith Road Midland, Texas 79705

9. Pool name or Wildcat
Vacuum

4. Well Location

Unit Letter I : 2310 feet from the South line and 330 feet from the East line

Section 1 Township 18-S Range 34-E NMPM County Lea

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3993 DF

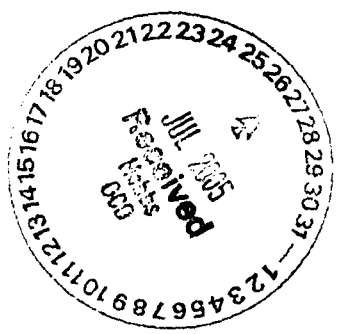
11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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

12. 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 recompilation.

See attached procedure

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.



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

SIGNATURE P. W. Minchew TITLE Operations Supervisor DATE 7/26/2005

Type or print name P. W. Minchew Telephone No.

(This space for State use)

APPPROVED BY Gary W. Wink TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE JUL 28 2005

Conditions of approval, if any:

64

VI-	Procedure

1 **Pull RBP:**
TIH w/ Retrieving tool to top of RBP. Wash sand off the RBP. Fish RBP. TOH and L/D tools.

2 **Set Bottom Plug**
R/U wireline. TIH w/ CIBP. Set @ 4030'. R/D wireline.
TIH w/ 2 7/8" open ended tbg. Spud 20 sacks cl "C" cmt (4.65 bbls) on top of CIBP. Estimated plug thickness of 200'. TOH to 2930'.

3 **Base of Salt Cement Plug:**
Set open ended tubing @ 2930'. Spud 30 Sacks of cl "C" cmt (300', ~7 bbls).
Pull tubing to 1800' feet. WOC.
TIH to tag top of plug. Pull tbg out of hole.

4 **Injection test:**
TIH w/ **5 ½"** packer and **2 7/8"** working string. Set packer @ **~1800'**.
Perform injection test. Make sure that you can squezze leaks. If can not get rate go to step 6.

5 **Squeeze Casing Leak @ 2340'-2384':**
R/U wireline. Set CR @ 1800'. R/D wireline. TIH w/ stinger and 2 7/8" tubing. Sting into CR. Pump ~100 Sx cl "C" cmt (23 bbls slurry). Sting out.
Pump 40 Sacks cl "C" cmt (9.3 bbls) @ 1800'. Pull to Surface. WOC.
TIH w/ 2 7/8" open ended tbg. Tag plug (Estimated top @ 1400'). TOH to 400'.

6 **Surface Plug:**
Set open ended tbg @ 400'. Pump ~40 sacks cl "C" cmt to surface. Pull tubing out.

6 Cut casing and cap off well. Well P&A.

Use

Prepared by
Mario A. Ballesteros

CURRENT
WELLBORE DIAGRAM

Created:	6/30/2005	By: MAB					
Updated:		By:					
Lease:	VGSAU		**Well No.:**	28	**Field:**	VACUUM	
Surface Location:	2310' FSL & 330' FEL		**Unit Ltr:**		**Sec:**	1	**TSHP/Range:** 18S-34E
Bottomhole Location:	Same		**Unit Ltr:**		**Sec:**		**TSHP/Range:**
County:	Lea	**St:** NM	**St Lease:**		**API:**	30-025-02263	**Cost Center:**
Current Status:	Active Oil Well		**Elevation:**				**TEPI:**
Directions to Wellsite:	Buckeye, New Mexico						**MVP:**

Surface Csg.
Size: 8 5/8"
Wt.: 32#, 10V LW
Set @: 1503
Sxs cmt: 300 Sx
Circ: Yes
TOC: Surface
Hole Size: 10 3/4

Production Casing
Size: 5 1/2"
Wt.: 17#, SMLS
Set @: 4085
Sxs Cmt: 200 Sx
Circ: No
TOC: 2830 CBL
Hole Size: 6 3/4

TD: 4710

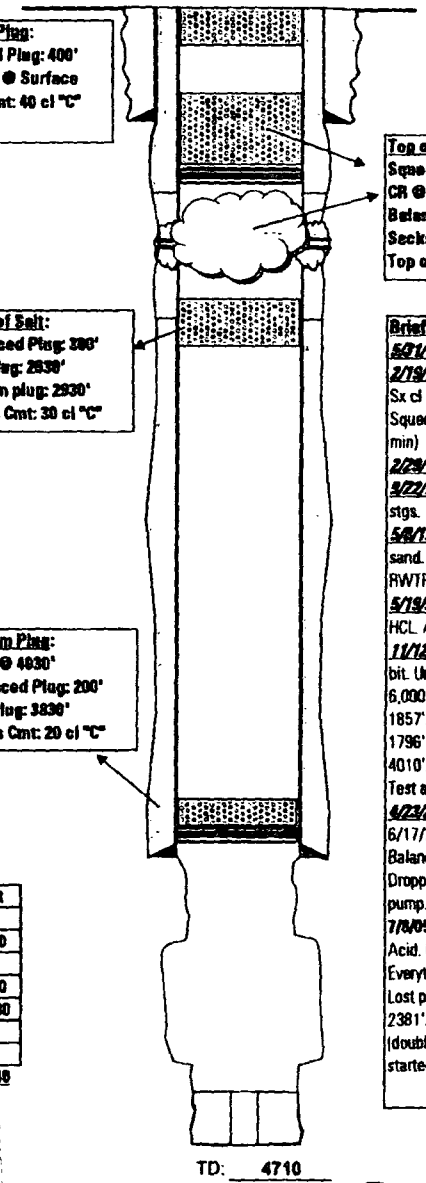
Perforations:
Grayburg San Andres — Open Hole: 4085-4710

Casing Caliper Log (Nov-2000):
1826'-1826': Bad Corrosion
2070-2130': Bad Casing
2250'-2360': Holes
2790'-3990': Corrosion & Pitting

Perforations:
4085'-4270': 4 3/4" OPEN HOLE
4270'-4590': 6 1/4" OPEN HOLE (Nov-00)
4590'-4710': 4 3/4" OPEN HOLE

ZONES

Top	Top Depth, ft	Interval	Net
GB Marker	4,105		
GB Dol Top	4,200	33	20
GB Dol Bott	4,233		
San Andres	4,267	153	90
LSA	4,420	272	130
O/W	4,692		
PBTD	4,655		
TOTAL		458	240
Gross / Net Ratio		52.4%	
Middle of Perforations:	4,428		



Surface Plug:
Balanced Plug: 400'
Top Plug @ Surface
Sacks Cmt: 40 cl "C"

Top of Salt:
Squeeze: 100 Sx cl "C" cmt
CR @ 1800'
Balance plug: 460'
Secks Cmt: 40 cl "C"
Top of Plug: 1400'

Base of Salt:
Balanced Plug: 380'
Top Plug: 2830'
Bottom plug: 2930'
Sacks Cmt: 30 cl "C"

Bottom Plug:
CIBP @ 4030'
Balanced Plug: 200'
Top Plug: 3830'
Sacks Cmt: 20 cl "C"

KB:
DF: 3,993
GL:
Original Spud Date:
Original Compl. Date: 5/31/1940
Kelly Bushing:

Brief Workover History:

5/31/1940: Initial Completion.

2/19/74: **Casing Leak Repair:** Set CR @ 1650' and squeeze leak f/ 1866'-2480' w/ 350 Sx cl "C" cmt. Cement circulated to surface. Squrd again w/ 150 Sx "C" cmt. Held OK. Squeeze Leak @ 1870' w/ 150 Sx "C" cmt. Test f/ 2480' to surface. Held OK (1000 #/30 min)

2/29/1924: **Frac Open Hole**: Frac w/ 18,000 # sand. C/O to 4710'. Ran GR-N log.

5/22/78: **Acid Open Hole**: Pump 12,000 gls 20% HCl in 4 stgs w/ 600# RS between stgs.

5/8/1987: **Fracture Treatment:** Frac open hole w/ 25,000 gal XL gel, 60,000 lbs 20/40 sand. C/O to 4685'. Lost circulation @ 4585'. Backed Off at 4654' leaving junk in the hole. RWTP.

5/19/89: **Acid Open Hole**: Tagged @ 4653'. Spot 500 gls 15% HCl. Pump 6,000 gls 15% HCL Avg Pressure= Vacuum, Avg rate=4.4 bpm. SIS.

11/12/2000: **Under Ream, Repair Csg Leak, C/O & Acid**: Tagged @ 4652' w/ 4 3/4" bit. Under Ream f/ 4270' to 4590'. C/O w/ 4 3/4" from 4600'-4655'. Acid open hole w/ 6,000 gls 15% + 3500 lbs RS. Found csg leak @ 2144'-2500'. Ran log. No bond @ 2830'-1857'. Ran PAL (csg inspection log). Csg in bad condition f/ 1800' to 3990'. Set CR @ 1796' and pump 600 sx cmt. Tag cmt @ 1880'. Drill cmt to 2284'. Tested csg fom 2530' to 4010'. Tested Good. Spot 160 Sx cmt @ 2500' (balance plug). Tag @ 966'. Drill to 2561'. Test and chart to 500 psi. Remove RBP @ 4,033'. Run sub.

4/23/2002: **Pump Upgrade to Larger Pump, No Clean Out**.
6/17/2003: Stimulation and Casing Repair: Found leaks between 2274' and 2525'. Balance cmt plug. Leaked 155 # / 30min. Balnce plug again w/ 120 sx Pecos Valley Lite. Dropped 110 pis/ 30 min. Swab to test leak. No fluid. Get OCD aproval to put back on pump.

7/8/05- 7/25/05: DHS / Stuck Pump / Casing Leak : Pump Stck @ 2347'. Free Point. Acid. Cut tbg. TIH w/ Overshot. Work fish. TIH to cut pump. Fish got loose. TOH w/ Fish. Everything came out. Isolate leaks f/ 2340 to 4384'. Pump 15 bbls. Pressured up to 600#. Lost pressure to 200# in 10 min. Pump 7 bbls cmt. WOC. TIH w/ 4 3/4" bit and tag @ 2381'. Soft. Not good. Swab for fluid entry. Got flow. TIH to spud cement. Pump 100 Sx (double to first time) cl "C" cmt. WOC. TIH w/ bit and tag @ 2188'. soft cement and flow started again. Decided to P&A inmediatly.

PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)

OPERATOR Texaco Exploration & Production

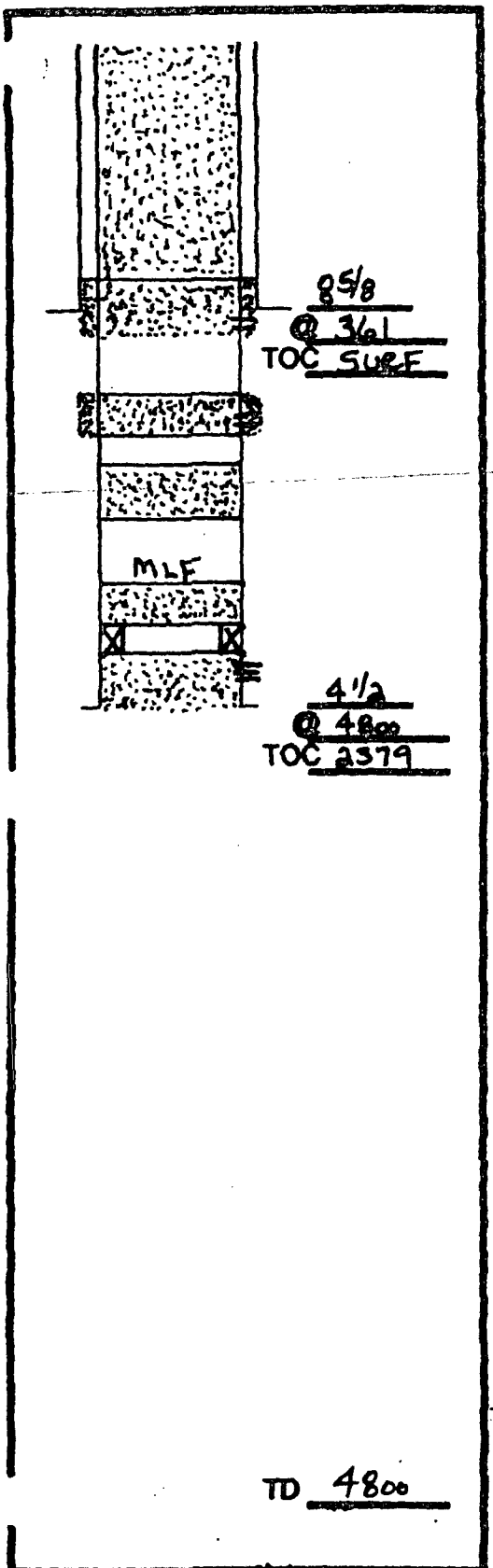
LEASENAME Vacuum Grayburg San Andres WELL # 33

SECT 1 TWN 18S RNG 34E

FROM 2630 (N)S L 1310 E(W)L

TD: 4800 FORMATION @ TD Grayburg

PBTD: 4790 FORMATION @ PBTD San Andres



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	8 5/8	361	SURF	Circ
INTMED 1				
INTMED 2				
PROD	4 1/2	4800	2379	CBL

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	4435 - 4722
INTMED 2		OPENHOLE	-
PROD			

REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
GLORIETA	
SILURIAN	
TUBB	
DRINKARD	
ABO	
WFC	
PENN	
STRAWN	
ATOKA	
MORROW	
BASE	
DEVONIAN	

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	6400'
PLUG #2	SPOT	50 SXS	5350'-5450'
PLUG #3	CIBP/35'		4800'
PLUG #5	CIBP	25 SXS	4800'
PLUG #4	STUB	50 SXS	3650'-3750'
PLUG #5	REINF SQZ	200 SXS	400'
PLUG #6	SURF	30 SXS	0-10'
PLUG #1	Gray Burg	75 SX	4200-4722
PLUG #2	S. Andres	50 SX	4200-3600
PLUG #3	Yates	25 SX	2800-2600
PLUG #4	T-SALT	50 SX	1400-1200
PLUG #5	8 5/8 S	50 SX	410-300
PLUG #6	SURF	30 SX	300-SURF
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG			
PLUG			

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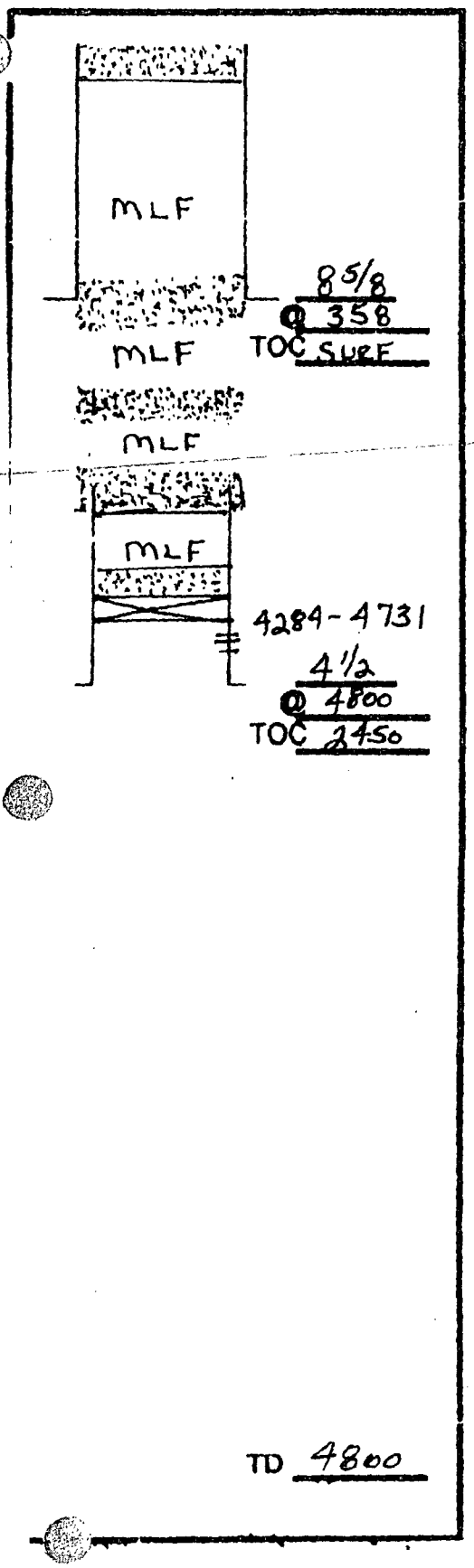
PLUGGING & ABANDONMENT WORKSHEET (2 STRING CSNG)

OPERATOR Texaco Exploration & Production
LEASENAME Vacuum Grayburg San Andres Unit WELL # 49

SECT 1 TWN 18-S RNG 34-E
FROM 139 (N)/S L 2580 E(W)L
TD: 4800 FORMATION @ TD San Andres
PBTD: 4798 FORMATION @ PBTD



	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE	8 5/8	358	SURF	Circ
INTMED 1	4 1/2"	4800	2450	CBL
INTMED 2				
PROD				

	SIZE	TOP	BOT	TOC	DETERMINED BY
LINER 1					
LINER 2					

	CUT & PULL @		TOP - BOTTOM
INTMED 1		PERFS	-
INTMED 2		OPENHOLE	-
PROD	2400		

*REQUIRED PLUGS DISTRICT I

RUSTLER (ANHYD)	
YATES	
QUEEN	
GRAYBURG	
SAN ANDRES	
CAPITAN REEF	
DELAWARE	
BELL CANYON	
CHERRY CANYON	
BRUSHY CANYON	
BONE SPRING	
FLORIETA	
GLORIETA	
TUBB	
UPPER ABO	
ABO	
WC	
PENN	
STRAWN	
ATOKA	
MORROW	
MISS	
DEVONIAN	

PLUG	TYPE PLUG	SACKS CMNT	DEPTH
EXAMPLES			
PLUG #1	OH	35 SXS	6400'
PLUG #2	SHOE	50 SXS	5350'-5450'
PLUG #3	CIBP/35'		4800'
PLUG #3	CIBP	25 SXS	4800'
PLUG #4	STUB	50 SXS	3600'-3700'
PLUG #5	RETNR SQZ	200 SXS	100'
PLUG #6	SURF	10 SXS	0-10'
PLUG #1	CIBP	25 SKS	4200-3900
PLUG #2	B-SALT	60 Sx	2900-2200
PLUG #3	T-SALT	60 SX	1300-1000
PLUG #4	SHOE	75 SX	425-250
PLUG #5	SURF	10 SX	10'-SURF
PLUG #6			
PLUG #7			
PLUG #8			
PLUG #9			
PLUG #10			
PLUG #			
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
March 4, 2004

WELL API NO. 30-025-24366	
5. Indicate Type of Lease STATE ☑ FEE ☐	
6. State Oil & Gas Lease No. B-1733-1	
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 Vacuum Grayburg San Andres Unit
1. Type of Well: Oil Well ☐ Gas Well ☐ Other Injection	8. Well Number 50
2. Name of Operator Chevron USA, Inc.	9. OGRID Number
3. Address of Operator P.O. Box 7139, Midland, TX 79708	10. Pool name or Wildcat Vacuum Grayburg San Andres
4. Well Location Unit Letter G : 1330 feet from the North line and 1330 feet from the East line Section 1 Township 18S Range 34E NMPM Lea County	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*	

Received Hobbs APR 2007

Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attached)

Pit Location: UL G Sect 1 Twp 18S Rng 34E Pit type Steel Depth to Groundwater 107' Distance from nearest fresh water well Over 1000'

Distance from nearest surface water _____ Below-grade Tank Location UL _____ Sect _____ Twp _____ Rng _____ ;

1330 feet from the North line and 1330 feet from the East line (Steel Tank)

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.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☐	CASING TEST AND 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.

1. Notify OCD 24 hrs prior to MI and RU.
2. RIH tag TOC at 4003' and spot 20sx cement plug from 4003'-3850'.
3. Displace hole w/MLF, 9.5# Brine w/12.5# gel P/BBL.
4. Perf and squeeze 75sxsx cement plug from 2700'-2500' (B-Salt) WOC Tag.
5. Perf and squeeze 75sxsx cement plug from 1650'-1450' (T-Salt) WOC Tag.
6. Perf and squeeze 55sx cement plug from 450'-250' (shoe) WOC Tag.
7. Perf and squeeze 50sx cement plug from 200'-surface. (WB,surface)
8. Install dryhole marker.

NOTIFIED 24 HOURS PRIOR TO THE OC PLUGGING OPERATIONS.
THE OIL CONSERVATION DIVISION MUST

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 M. Lee Roark TITLE Agent DATE 4-24-2007

Type or print name M. Lee Roark E-mail address: Telephone No. 432-561-8600

(This space for State use)

APPPROVED BY Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE

Conditions of approval, if any:

APR 2 [illegible] 2007

7D.

VGSAU #50 Wellbore Diagram

Created:	03/01/06	By: C. A. Irle	Well #:	50	St. Lse: B-1733-1
Updated:		By:	API	30-025-24366	
Lease:	Vacuum Grayburg San Andres Unit		Unit Ltr.:	G	Section: 1
Field:	Vacuum Grayburg San Andres Unit		TSHP/Rng:	S-18 E-34	
Surf. Loc.:	1,330' FNL & 1,330' FEL		Unit Ltr.:		Section:
Bot. Loc.:			TSHP/Rng:		
County:	Lea	St.: NM	Directions:	Buckeye, NM	
Status:	Active Oil Well		Chevno:	FH0891	

Surface Casing

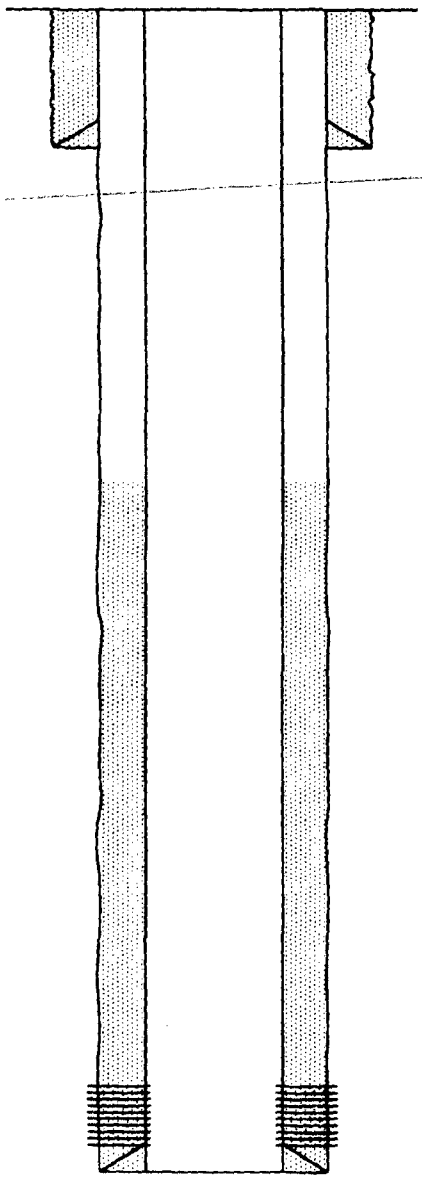
Size:	8 5/8"
Wt., Grd.:	20#, K-55
Depth:	354'
Sxs Cmt:	210
Circulate:	Yes
TOC:	Surface
Hole Size:	11"

Production Casing

Size:	5 1/2"
Wt., Grd.:	14#, J-55
Depth:	4,800'
Sxs Cmt:	500
Circulate:	No, 200%
TOC:	2,000
Hole Size:	7 7/8"

Perforations

4133-48, 56-62, 76-80, 92-96,
4200-12, 18-22, 26-29, 32-36,
39-43, 45-51, 54-62, 65-71, 91-95
4,320' - 4,358'
4389, 94, 98, 4402, 28, 33, 40, 48,
73, 80, 94, 4503, 21, 25, 30, 36,
41, 47, 56, 63, 80, 92, 95, 4675,
82, 90, 4703, 33, 43



PBTD: 4,788'
TD: 4,800'

KB:
DF:
GL: 3,990'
Ini. Spud: 02/19/73
Ini. Comp.: 03/07/73

History

3/7/73 Ini Comp: Perf 4389, 94, 98, 4402, 28, 33, 40, 48, 73, 80, 94, 4503, 21, 25, 30, 36, 41, 47, 56, 63, 80, 92, 95, 4675, 82, 90, 4703, 33, 43, acid 8000 gls 20% NEA 54 bls.

4/11/83 Conv to Inj: 500 gls 15% NE, plastic coated tbg, pkr 4344, inj.

3/6/86 Perf & Stim: CO 4763, Perf 4320-4358, *acid perfs* 8000 gls 15% NEFE 5000# RS.

4/9/96 Perf & Stim: CO 4777, pkr 4188, acid 3300 gls 20% NEFE HCl, perf 4133-48, 56-62, 76-80, 92-96, 4200-12, 18-22, 26-29, 32-36, 39-43, 45-51, 54-62, 65-71, 91-95. RBP 4308, pkr 4090, acid 3300 gls 20% NEFE HCl, pkr 4047.

5/25/00 Stim: Tag 4100, CO 4755, leak 444-475, sqz, drill, test fail, sqz, drill, pkr 4000, acid 7000 gls 20% NEFE 3500# RS, pkr 4066, chart fail, string mill 4214, mill tight spot, pkr 4032, chart good, rel pkr, pkr in, chart fail, duoline 1 bad jt, csg leak, sqz, drill, pkr 4035.

5/06- Found bad cgs ~450'-2400', Left 1-10' jt under adaptor, rigged down.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: 18S Range: 34E Sections: 1

NAD27 X: Y: Zone: Search Radius:

County: LE Basin: Number: Suffix:

Owner Name: (First) (Last) ○ Non-Domestic ○ Domestic ◉ All

POD / Surface Data Report | Avg Depth to Water Report | Water Column Report

Clear Form | iWATERS Menu | Help

AVERAGE DEPTH OF WATER REPORT 04/24/2007

(Depth Water in Feet)

Bsn	Tws	Rng	Sec	Zone	X	Y	Wells	Min	Max	Avg
L	18S	34E	01				5	100	115	107

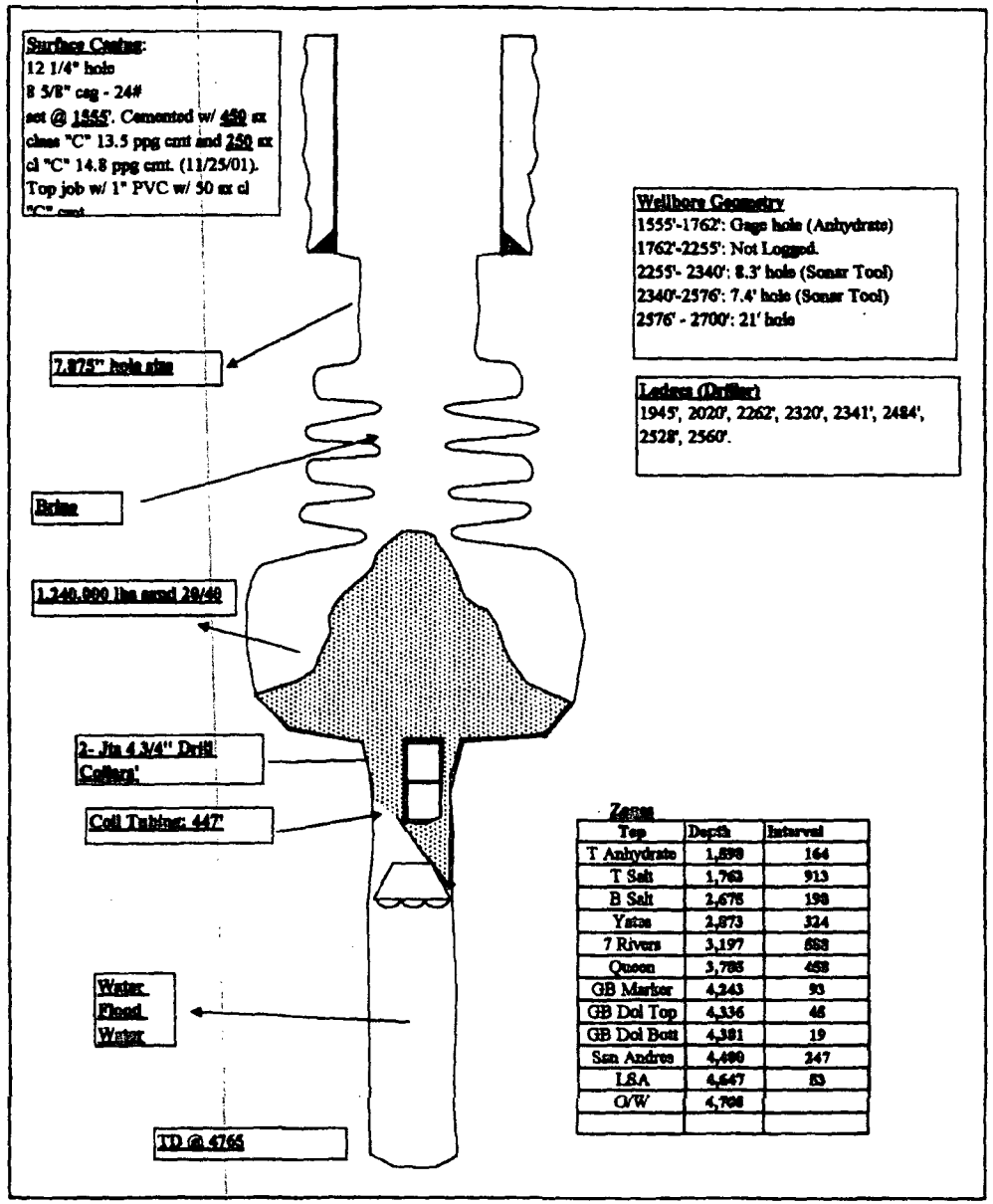
Record Count: 5

ATTACH C103

PLEASE SCAN INTO WELL FILE
30-025-35687

VGSAU 211

710' FSL & 1280' FWL
SEC 1, TWN 18-S, Range 34-E, County Lea
ELEVATION: 3995' GL, 4009' KB
Completed:



Zones

Top	Depth	Interval
T Anhydrate	1,898	164
T Salt	1,763	913
B Salt	2,676	198
Yates	2,873	324
7 Rivers	3,197	888
Queen	3,788	468
GB Marker	4,243	93
GB Dol Top	4,336	48
GB Dol Bott	4,381	19
San Andres	4,400	247
LSA	4,647	53
O/W	4,700	

9/19 - 1500 SX Cl. H
9/23 Tag @ 2700'
10/8 2500 SX Cl. C
10/9 Tag @ 2671'
10/10 2500 SX Cl. C
10/13 Tag @ 2674
10/15 2500 SX Cl. C
10/16 Tag @ 2650
10/22 333882
10/23 Tag @ 2453'

2/4/04 - 900,000 lbs. SAND
2/5 - Tag @ 2056'
2/6 - 110,000 lbs.
2/6 - Tag @ 2056'
2/9 - 94,000 lbs
2/9 - Tag @ 2056'
2/11 - 400 SX cmt
2/16 - Tag @ 2018'
2/23 - Tag @ 2037'
2/23 - 56000 lbs
2/23 - Tag @ 2037'
2/23 - 48000 lbs.
2/24 Tag @ 2178'
2/24 - 400 SX cmt
2/25 - Tag @ 2178'
2/25 - 52,042 + 57,268
2/26 - Tag @ 2148'
2/26 - 127350 lbs.
2/27 Tbg 210 psi
casing 300 psi

UNICHEM

A Division of BJ Services Company

Lab Test No : 9464

Phillips

Sample Date : 3/26/96
Lab Date In : 3/28/96
Lab Date Out : 3/28/96

Water Analysis

Listed below please find water analysis report from : Halo Mable S.O. #2

Specific Gravity :	1.000
Total Dissolved Solids :	198
pH :	
Conductivity (uohms):	
Ionic Strength :	0.006

Cations:		mg/l
Calcium	(Ca++):	50
Magnesium	(Mg++):	19
Sodium	(Na+):	10
Iron	(Fe++):	0.40
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.20
Strontium	(Sr):	
Manganese	(Mn++):	0.07
Resistivity :		
Anions:		
Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	50
Chloride	(Cl-):	90

Gases:		ppm
Carbon Dioxide	(CO2):	
Oxygen	(O2):	
Hydrogen Sulfide	(H2S):	

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

If you have any questions or require further information, please contact us.

Sincerely,

John Paul Gonzales

Laboratory Technician

cc: Jay Brown
Joe Hay

P.O. Box 61427, Midland, TX 79711 • 4312 S. County Rd. 1298, Midland, TX 79765
Office: (915) 563-0241 • Fax: (915) 563-0243

UNICHEM

A Division of BJ Services Company

Lab Test No : 9461

Phillips

Sample Date : 3/26/96
Lab Date In : 3/28/96
Lab Date Out : 3/28/96

Water Analysis

Listed below please find water analysis report from : Potash #1

Specific Gravity :	1.000
Total Dissolved Solids :	265
pH :	
Conductivity (uohms):	
Ionic Strength :	0.008

Cations:		mg/l
Calcium	(Ca++):	59
Magnesium	(Mg++):	23
Sodium	(Na+):	0
Iron	(Fe++):	0.07
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.40
Strontium	(Sr):	
Manganese	(Mn++):	0.39
Resistivity :		
Anions:		
Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	43
Chloride	(Cl-):	140

Gases:		ppm
Carbon Dioxide	(CO2):	
Oxygen	(O2):	
Hydrogen Sulfide	(H2S):	

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

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** 80 3068 PILL **

UNICHEM

Division of BJ Services Company

Lab Test No : 9459

Phillips

Sample Date : 3/26/96
Lab Date In : 3/28/96
Lab Date Out : 3/28/96

Water Analysis

Listed below please find water analysis report from : VGSAU WSW #2

Specific Gravity :		1.000
Total Dissolved Solids :		249
pH :		
Conductivity	(uohms):	
Ionic Strength :		0.008

Cations:		mg/l
Calcium	(Ca^{++}):	66
Magnesium	(Mg^{++}):	24
Sodium	(Na^{+}):	16
Iron	(Fe^{++}):	0.50
Dissolved Iron	(Fe^{++}):	
Barium	(Ba^{++}):	0.30
Strontium	(Sr):	
Manganese	(Mn^{++}):	0.06
Resistivity :		
Anions:		
Bicarbonate	(HCO_3^-):	
Carbonate	(CO_3^{--}):	
Hydroxide	(OH^-):	0
Sulfate	(SO_4^{--}):	45
Chloride	(Cl^-):	130

Gases:		ppm
Carbon Dioxide	(CO_2):	
Oxygen	(O_2):	
Hydrogen Sulfide	(H_2S):	

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		$CaCO_3$ SI	$CaSO_4$ SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

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Laboratory Technician

cc: Jay Brown
Joe Hay

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UNICHEM

A Division of BJ Services Company

ab Test No : 9458

Phillips

Sample Date : 3/26/96
Lab Date In : 3/28/96
Lab Date Out : 3/28/96

Water Analysis

Listed below please find water analysis report from : VGSAU WSW #1

Specific Gravity :	1.000
Total Dissolved Solids :	198
pH :	
Conductivity (uohms):	
Ionic Strength :	0.006

Cations:		mg/l
Calcium	(Ca++):	38
Magnesium	(Mg++):	18
Sodium	(Na+):	4
Iron	(Fe++):	0.30
Dissolved Iron	(Fe++):	
Barium	(Ba++):	0.30
Strontium	(Sr):	
Manganese	(Mn++):	0.04
Resistivity :		
Anions:		
Bicarbonate	(HCO3-):	
Carbonate	(CO3--):	
Hydroxide	(OH-):	0
Sulfate	(SO4--):	48
Chloride	(Cl-):	90

Gases:		ppm
Carbon Dioxide	(CO2):	
Oxygen	(O2):	
Hydrogen Sulfide	(H2S):	

Scale Index (positive value indicates scale tendency) a blank indicates some tests were not run

Temperature		CaCO3 SI	CaSO4 SI
86F	30.0C		
104F	40.0C		
122F	50.0C		
140F	60.0C		
168F	70.0C		
176F	80.0C		

Comments :

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P.O. BOX 98
MIDLAND, TX. 79702
PHONE (432) 683-4521

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8819

RESULT OF WATER ANALYSES

TO: Mr. Larry Ridenour
HCR 60, Box 423, Lovington, NM 88260

LABORATORY NO. 807-51 (pg 1)
SAMPLE RECEIVED 7-31-07
RESULTS REPORTED 8-8-07

COMPANY Chevron LEASE
FIELD OR POOL
SECTION BLOCK SURVEY COUNTY Lea STATE NM
SOURCE OF SAMPLE AND DATE TAKEN:
NO. 1 VGWU #1.
NO. 2 VGWU #2.
NO. 3 Central Vacuum #2.
NO. 4 Central Vacuum #3.

REMARKS: Samples taken by Tyler Ogden, Martin Water Labs, Inc. on 7-31-07

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0032	1.0030	1.0024	1.0032
pH When Sampled				
pH When Received	7.45	7.39	7.45	7.56
Bicarbonate as HCO_3	207	159	171	134
Supersaturation as $CaCO_3$				
Undersaturation as $CaCO_3$				
Total Hardness as $CaCO_3$	276	380	720	276
Calcium as Ca	85	114	240	82
Magnesium as Mg	16	23	29	17
Sodium and/or Potassium	62	69	143	117
Sulfate as SO_4	81	95	115	115
Chloride as Cl	111	213	547	213
Iron as Fe	0.25	0.15	0.10	0.15
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	561	672	1,245	679
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0	0.0	0.0
Resistivity, ohms/m at 77° F.	12.98	9.59	4.84	9.34
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	4.2	4.1	3.4	2.4

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks

Form No. 3

By

LATHAM PRINTING CO. - 333-1292

P.O. BOX 98
MIDLAND, TX. 79702
PHONE (432) 683-4521

Martin Water Laboratories, Inc.

709 W. INDIANA
MIDLAND, TEXAS 79701
FAX (432) 682-8819

RESULT OF WATER ANALYSES

LABORATORY NO. 807-51 (pg 2)
SAMPLE RECEIVED 7-31-07
RESULTS REPORTED 8-8-07

TO: Mr. Larry Ridenour
HCR 60, Box 423, Lovington, NM 88260

COMPANY Chevron LEASE

FIELD OR POOL

SECTION BLOCK SURVEY COUNTY Lea STATE NM

SOURCE OF SAMPLE AND DATE TAKEN:

NO. 1 UGSAU #1.
NO. 2 UGSAU #4.
NO. 3
NO. 4

REMARKS: Samples taken by Tyler Ogden, Martin Water Labs, Inc. on 7-31-07

CHEMICAL AND PHYSICAL PROPERTIES

	NO. 1	NO. 2	NO. 3	NO. 4
Specific Gravity at 60° F.	1.0018	1.0022		
pH When Sampled				
pH When Received	7.51	7.62		
Bicarbonate as HCO_3	171	171		
Supersaturation as $CaCO_3$				
Undersaturation as $CaCO_3$				
Total Hardness as $CaCO_3$	256	180		
Calcium as Ca	83	58		
Magnesium as Mg	12	9		
Sodium and/or Potassium	77	16		
Sulfate as SO_4	61	24		
Chloride as Cl	156	36		
Iron as Fe	0.15	0.20		
Barium as Ba				
Turbidity, Electric				
Color as Pt				
Total Solids, Calculated	560	313		
Temperature °F.				
Carbon Dioxide, Calculated				
Dissolved Oxygen,				
Hydrogen Sulfide	0.0	0.0		
Resistivity, ohms/m at 77° F.	12.30	27.20		
Suspended Oil				
Filtrable Solids as mg/l				
Volume Filtered, ml				
Nitrate, as N	3.4	3.4		

Results Reported As Milligrams Per Liter

Additional Determinations And Remarks: The undersigned certifies the above to be true and correct to the best of his knowledge and belief.

Form No. 3

By Greg Ogden, B.S.

LATHAM PRINTING CO. - 333-1292