

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
**- Engineering Bureau -**  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

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

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

Check One Only for [B] or [C]

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

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

**[D] Other: Specify \_\_\_\_\_**

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

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners**
- [B] ☐ Offset Operators, Leaseholders or Surface Owner**
- [C] ☐ Application is One Which Requires Published Legal Notice**
- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO**  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,**
- [F] ☐ Waivers are Attached**

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

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

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

_____ Print or Type Name	_____ Signature	_____ Title	_____ Date
_____ e-mail Address			

Chevron U.S.A. Inc.  
Mark Wakefield  
Petroleum Engineer  
15 Smith Road  
Midland, Texas 79705  
(432) 687-7287  
[wakefms@chevrontexaco.com](mailto:wakefms@chevrontexaco.com)

RECEIVED

MAY 11 2004

OIL CONSERVATION  
DIVISION

May 5, 2004

**ChevronTexaco**

**APPLICATION FOR AUTHORIZATION  
TO INJECT AS SWD - OCD FORM C-108  
B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

32 AOK  
4 P2A

State of New Mexico  
Energy and Minerals Dept.  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Chevron U.S.A., Inc. requests your approval of the subject application to inject salt water into the B. F. Harrison 'B' #12, which is located: 760' FNL & 2100' FWL, Unit Letter C, Section 9, T23S, R37E, Lea County, New Mexico.

The injection interval will be in the lower San Andres and there is no San Andres production from this interval in the immediate area. (The B. F. Harrison 'B' #18 produces from the upper San Andres. There will be approximately 200' of separation between the injection interval and the producing San Andres perms.) The injection interval will be approximately 4200' to 5000'.

Attached is an OCD Form C-108 with information relative to the SWD injection of the referenced well. A copy of the letter sent to applicable surface land owners and offset operators is included in the attachments.

Your prompt consideration and approval of this application will be greatly appreciated. If additional information is required, please contact Kathy Jackson at (432) 687-7741.

Sincerely,



Mark Wakefield  
Petroleum Engineer  
New Mexico – Eunice Primary

Attachments

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Chevron U.S.A., Inc.  
ADDRESS: 15 Smith Road, Midland, TX 79705  
CONTACT PARTY: Kathy Jackson PHONE: 432-687-7741
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: KATHY JACKSON TITLE: Engineering TA  
SIGNATURE: Kathy Jackson DATE: 4/19/04  
E-MAIL ADDRESS: kathyjackson@chevrontexaco.com
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

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

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

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

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

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

### XIV. PROOF OF NOTICE

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

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

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

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

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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.

**FORM C-108 continued**

**Part III. A**

- 1) Lease: B. F. Harrison "B"  
Well No. 12 SWD  
760' FNL and 2100' FWL  
Section 9, T23S, R37E, Unit C  
Lea County, New Mexico
- 2) See attached wellbore schematics for casing in this well.
- 3) Propose to run approximately 4150' of 2-7/8" plastic lined tubing.
- 4) Propose to use a tension packer as a seal and load the casing annulus with packer fluid.

**Part III. B**

- 1) The injection interval will be in the lower San Andres and there is no San Andres production from this interval in the immediate area. (The B. F. Harrison "B" No. 18 produces from the upper San Andres. There will be approximately 200' of separation between the injection interval and the producing San Andres perfs.)
- 2) The injection interval will be approximately 4200' to 5000'.
- 3) This well originally produced from the Teague Fusselman whereby the perfs at 8768'-8824' have been squeezed, and is temporarily abandoned with a CIBP set @ 8715'.
- 4) There was no other production zone in this well.
- 5) There is production above and below the San Andres in this area. The Langlie Mattix Seven Rivers/Queen/Grayburg at approximately 2800'- 3800', Upper San Andres at 3822', Teague Ellenburger at 10,000', Teague Fusselman at 8800', Teague Devonian at 7500', and Teague Blinebry at 5600'.

**Part VII.**

- 1) Proposed average daily injection will be 2,000 bbls/day. Maximum will be 5,000 bbls/day.
- 2) The system will be closed.
- 3) The average injection pressure will be 0 (vacuum). The maximum will not exceed the limits set forth by the OCD.

**FORM C-108 continued**

**Part VII.**

- 4) The source of the water will be from Chevron U.S.A. Inc. operated wells in the immediate area.
- 5) The San Andres is productive within one mile of the B. F. Harrison "B" #12 SWD well.

**Part VIII.**

The injection interval is the lower San Andres and is composed of primarily limestone and porous dolomite with occasional anhydrite and thin shale stringers, and is approximately 1200' thick. The top of the San Andres is at approximately 3822'. This entire area is overlain by the Quaternary Alluvium. The Ogallala is the main fresh water source in this area at a depth of 100' to 300' deep.

**Part IX.**

The disposal interval will be treated with a breakdown acid job.

**Part X.**

The logs will be submitted when the well is completed.

**Part XI.**

There are active fresh water wells within one mile of the B. F. Harrison "B" #12 SWD location. The analysis for these wells is attached.

**Part XII.**

We have examined all available geologic and engineering data, and find no evidence of open faults or any other hydrologic connection between the disposal interval and any underground source of drinking water.

*Surface Owner*

Chevron U.S.A., Inc.  
Mark Wakefield  
Petroleum Engineer  
15 Smith Road  
Midland, Texas 79705  
432-687-7287  
[wakefms@chevrontexaco.com](mailto:wakefms@chevrontexaco.com)

April 19, 2004

**ChevronTexaco**

**CONVERT TO SWD  
B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Ms. Imajean Salsman  
P. O. Box 184  
Centerpoint, TX 78010

Dear Ms. Salsman:

Chevron U.S.A., Inc. as Operator of the B. F. Harrison B Lease, has filed an application to inject salt water into the B. F. Harrison 'B' #12, which is located: 760' FNL & 2100' FWL, Unit Letter C, Section 9, T23S, R37E, Lea County, New Mexico.

The injection interval will be in the lower San Andres and there is no San Andres production from this interval in the immediate area. (The B. F. Harrison 'B' #12 produces from the upper San Andres. There will be approximately 200' of separation between the injection interval and the producing San Andres perms.) The injection interval will be approximately 4200' to 5000'.

Attached is an OCD Form C-108 with information relative to the SWD injection of the referenced well. Also attached is a copy of the legal notice that was posted in the Hobbs News-Sun.

If additional information is required, please contact Kathy Jackson at (432) 687-7741.

Sincerely,



Mark Wakefield  
Petroleum Engineer  
New Mexico – Eunice Primary

Attachments

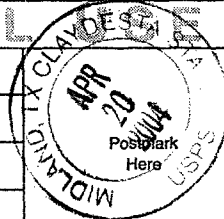
7002 3150 0005 0487 8992

**U.S. Postal Service™**  
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**OFFICIAL**

Postage	\$ 8.3
Certified Fee	2.35
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88



Sent To Ms. Imajean Salsman  
 Street, Apt. No.,  
 or PO Box No. P.O. Box 184  
 City, State, ZIP+4 Centerpoint, Tx 78010  
 PS Form 3800, June 2002 See Reverse for Instructions

**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

Ms. Imajean Salsman  
 P.O. Box 184  
 Centerpoint, Tx 78010

2. Article Number  
 (Transfer from service label)

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature Imajean Salsman ☐ Agent ☒ Addressee

B. Received by (Printed Name) \_\_\_\_\_ C. Date of Delivery 4/29/04

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

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

4. Restricted Delivery? (Extra Fee) ☐ Yes

7002 3150 0005 0487 8992



Offset Operators

Chevron U.S.A., Inc.  
Mark Wakefield  
Petroleum Engineer  
15 Smith Road  
Midland, Texas 79705  
432-687-7287  
[wakefms@chevrontexaco.com](mailto:wakefms@chevrontexaco.com)

April 19, 2004

**ChevronTexaco**

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B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Apache Corp.  
2000 Post Oak, Suite 100  
Houston TX 77056

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Sincerely,



Mark Wakefield  
Petroleum Engineer  
New Mexico – Eunice Primary

Attachments

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Mark Wakefield  
Petroleum Engineer  
15 Smith Road  
Midland, Texas 79705  
432-687-7287  
[wakefms@chevrontexaco.com](mailto:wakefms@chevrontexaco.com)

April 19, 2004

**ChevronTexaco**

**CONVERT TO SWD  
B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Breck Operating Corp.  
P. O. Box 911  
Breckenridge TX 76424

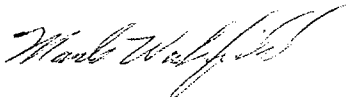
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April 19, 2004

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B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Gruy Petroleum Management Co.  
P. O. Box 140907  
Irving TX 75014-0907

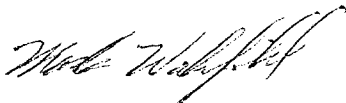
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April 19, 2004

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B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Oxy USA Inc.  
P. O. Box 50250  
Midland TX 79710-0250

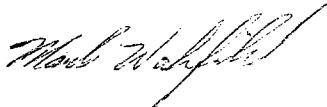
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432-687-7287  
[wakefms@chevrontexaco.com](mailto:wakefms@chevrontexaco.com)

April 19, 2004

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B. F. HARRISON "B" WELL #12  
LEA COUNTY, NEW MEXICO**

Smith & Marrs Inc.  
P. O. Box 863  
Kermit TX 79745

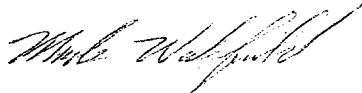
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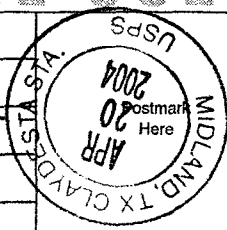


Mark Wakefield  
Petroleum Engineer  
New Mexico – Eunice Primary

Attachments

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<b>OFFICIAL USE</b>	
Postage	\$ <b>83</b>
Certified Fee	<b>2.30</b>
Return Receipt Fee (Endorsement Required)	<b>1.75</b>
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	<b>\$4.88</b>
Sent To <b>Apache Corp.</b>	
Street, Apt. No., or PO Box No. <b>2000 Post Oak, Suite 100</b>	
City, State, ZIP+4 <b>Houston TX 77056</b>	
PS Form 3800, June 2002	
See Reverse for Instructions	



**SENDER: COMPLETE THIS SECTION**

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

1. Article Addressed to:

**Apache Corp.  
2000 Post Oak, Suite 100  
Houston, TX 77056**

2. Article Number

*(Transfer from service label)*

**7002 3150 0005 0487 8985**

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature <b>X</b>	<input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
B. Received by (Printed Name)	C. Date of Delivery <b>APR 20 2002</b>
D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	

3. Service Type	
<input checked="" type="checkbox"/> Certified Mail	<input type="checkbox"/> Express Mail
<input type="checkbox"/> Registered	<input checked="" type="checkbox"/> Return Receipt for Merchandise
<input type="checkbox"/> Insured Mail	<input type="checkbox"/> C.O.D.
4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	

7002 3150 0005 0487 8978

**U.S. Postal Service™**  
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Postage	\$ 83
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
<b>Total Postage &amp; Fees</b>	<b>\$ 4.88</b>

Sent To **Breck Operating Corp.**  
 Street, Apt. No., or PO Box No. **P.O. Box 9H**  
 City, State, ZIP+4 **Breckenridge Tx 76424**

PS Form 3800, June 2002 See Reverse for Instructions

APR 20 2004  
 MIDLAND, TX  
 CLAY DESJARDIS

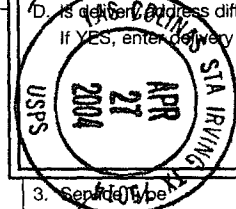
SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature            X <i>Christina Spera</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Christina Spera</i> C. Date of Delivery <i>4-23-04</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes            If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p><b>Breck Operating Corp.</b>  <b>P.O. Box 9H</b>  <b>Breckenridge, TX 76424</b></p>	<p>3. Service Type  <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail  <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise  <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number            (Transfer from service label)</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>7002 3150 0005 0487 8978</p>	

7002 3150 0005 0487 8961

<b>U.S. Postal Service™</b> <b>CERTIFIED MAIL™ RECEIPT</b> (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Postage	\$ 83
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88
Sent To <u>Gruy Petroleum Mgmt. Co.</u> Street, Apt. No., or PO Box No. <u>P.O. Box 140907</u> City, State, ZIP+4 <u>Irving, TX 75014-0907</u>	
PS Form 3800, June 2002 See Reverse for Instructions	



SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>		A. Signature <u>[Signature]</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) <u>[Signature]</u> C. Date of Delivery D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:	
1. Article Addressed to: <u>Gruy Petr. Mgmt. Co.</u> <u>P.O. Box 140907</u> <u>Irving, TX 75014-0907</u>		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
2. Article Number (Transfer from ser.)		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	



PS Form 3811, A



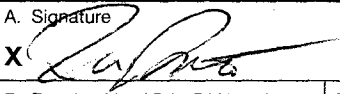
7002 3150 0005 0487 8954

<b>U.S. Postal Service™</b> <b>CERTIFIED MAIL™ RECEIPT</b> (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information, visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Postage	\$ 83
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.25
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88



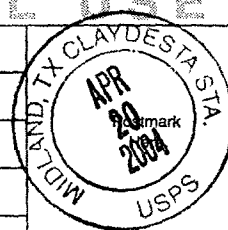
Sent To	
Oxy USA Inc.	
Street, Apt. No., or PO Box No.	P.O. Box 50250
City, State, ZIP+4	Midland TX 79710-0250

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X </p> <p>B. Received by (Printed Name) <input type="checkbox"/> C. Date of Delivery</p> <p>Bob Peterson 7/21/2004</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If YES, enter delivery address below:</p>
<p>1. Article Addressed to:</p> <p>Oxy USA Inc. P.O. Box 50250 Midland TX 79710-0250</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7002 3150 0005 0487 8954</p>

7002 3150 0005 0487 8947

<b>U.S. Postal Service™</b> <b>CERTIFIED MAIL™ RECEIPT</b> (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
<b>OFFICIAL USE</b>	
Postage	\$ 83
Certified Fee	2-30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 4.88
Sent To <u>Smith &amp; Marrs, Inc.</u> Street, Apt. No.; or PO Box No. <u>P.O. Box 863</u> City, State, ZIP+4 <u>Kermit TX 79745</u>	
PS Form 3800, June 2002 <span style="float: right;">See Reverse for Instructions</span>	



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Signature X <u>[Signature]</u> <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to:  <u>Smith &amp; Marrs, Inc.</u> <u>P.O. Box 863</u> <u>Kermit, TX 79745</u>	B. Received by (Printed Name) _____ C. Date of Delivery <u>4-21-04</u>  D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number (Transfer from service label)	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

7002 3150 0005 0487 8947

AFFIDAVIT OF PUBLICATION

State of New Mexico,  
County of Lea.

I, KATHI BEARDEN

Publisher

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

of \_\_\_\_\_ 7 \_\_\_\_\_

\_\_\_\_\_ weeks.

Beginning with the issue dated

\_\_\_\_\_ April 7 \_\_\_\_\_ 2004

and ending with the issue dated

\_\_\_\_\_ April 14 \_\_\_\_\_ 2004

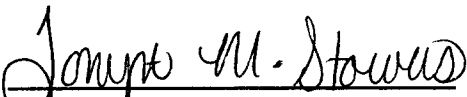


Publisher

Sworn and subscribed to before

me this \_\_\_\_\_ 14th \_\_\_\_\_ day of

\_\_\_\_\_ April \_\_\_\_\_ 2004

  
Notary Public.

My Commission expires  
November 27, 2004

(Seal)

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

LEGAL NOTICE

April 7, 8, 9, 10, 11,  
13, 14, 2004

CHEVRON U.S.A., INC.

whose address is 15 Smith  
Road, Midland, TX 79705,  
proposes to drill the follow-  
ing well for the purpose of  
disposing produced water  
from oil and gas production.

The well is the B.F. Harri-  
son 'B' #12 SWD located at  
760' FNL & 2100' FWL of  
Sec 9 - T23S - R37E, Unit  
C, Lea Co., NM. The injec-  
tion interval is the San An-  
dres at a depth of approx  
4200' - 5000'. The maximum  
injection rate will be 5000  
bbls/day, with 0 pressure.

Interested parties should

file objections or requests  
for hearing with the Oil Con-  
servation Division, 1220  
South St. Francis Drive,  
Santa Fe, New Mexico,  
87505 within 15 days.

Inquiries regarding this  
application should be direct-  
ed to Chevron U.S.A. Inc.,  
Attn: Kathy Jackson, 15  
Smith Rd., Midland, TX  
79705, (432) 687-7741.

#20498

01102480000

02569426

Chevron Texaco  
15 Smith Road  
MIDLAND, TX 79705

# WELLBORE DIAGRAM

**Lease:** B. F. Harrison "B"      **Well No.:** 12      **Field:** N. Teague  
**Location:** 760' FNL 2100' FWL      **Sec:** 9      **Tsp:** 23S  
**County:** Lea      **State:** NM      **Refno:** QU3095      **API:** 3002532172  
**Current Status:** Active      **Lot:** C      **Reservoir:** San Andres

**Range:** 37E  
**Class:** SWD

## Surface Csg.

**Size:** 11-3/4"  
**Wt.:** 42#  
**Set @:** 1180'  
**Sx cmt:** 750 sx  
**Circ:** Yes  
**TOC:** surface  
**Hole size:** 14-3/4"

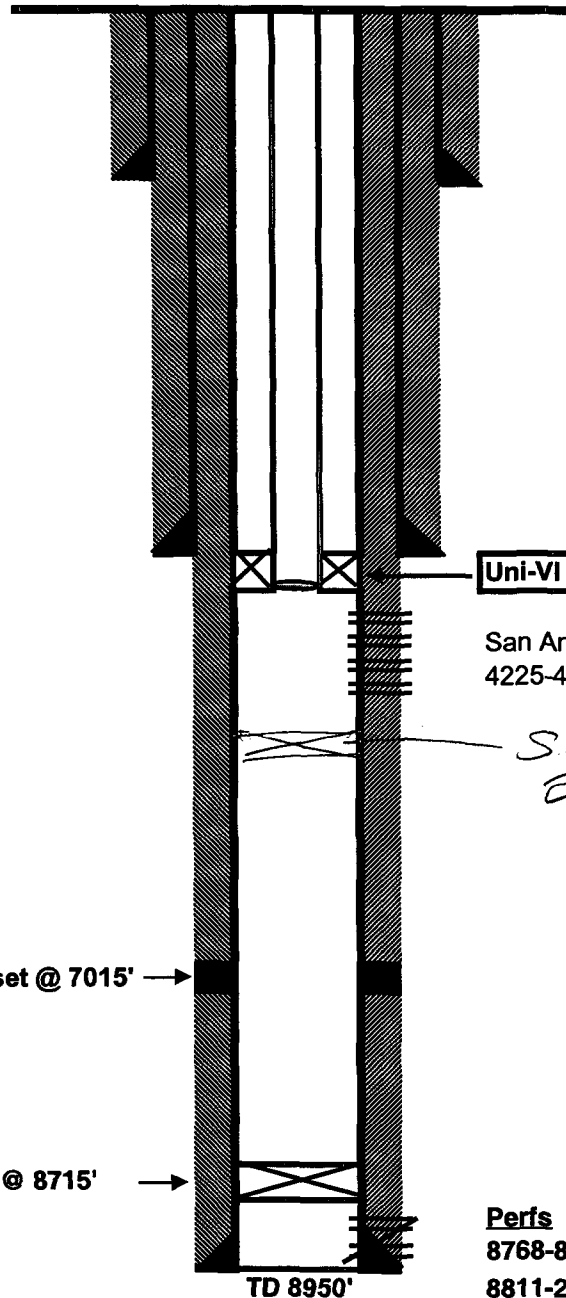
## Intermediate Csg.

**Size:** 8-5/8"  
**Wt.:** 32#  
**Set @:** 3750'  
**Sx cmt:** 1775 sx  
**Circ:** Yes  
**TOC:** surface  
**Hole size:** 11"

## Production Csg.

**Size:** 5-1/2"  
**Wt.:** 15.5# & 17#  
**Set @:** 8950'  
**Sxs Cmt:** 2180 sx  
**Circ:** Yes  
**TOC:** surface  
**Hole size:** 7-7/8"

## PROPOSED



**KB:** 3326'  
**DF:**             
**GL:** 3312'

**Spud Date:** 9/21/1993  
**Rig Released:** 10/12/1993  
**Completion Date:** 11/13/1993

**Uni-VI nickel plated inside and out @ 4208'**

San Andres perms  
 4225-4960'

*Set CIBP WITHIN  
200' of Lowermost Perf.*

**DV Tool set @ 7015'** →

**CIBP set @ 8715'** →

**TD 8950'**

Perfs	Status
8768-84'	Fusselman - sqzd
8811-24'	Fusselman - sqzd

Prepared by: K. M. Jackson  
 Date: 3/9/2004

## WELL DATA SHEET

FIELD: N. Teague

WELL NAME: B. F. Harrison 'B' No. 12

FORMATION: Fusselman

LOC: 760' FNL & 2100' FWL

SEC: 9

GL: 3312'

CURRENT STATUS: TA'd

TOWNSHIP: 23S

COUNTY: Lea

KB: 3326'

API NO: 30-025-32172

RANGE: 37E

LOT: C

STATE: NM

DF:

REFNO: QU3095

### CURRENT

#### Surface Casing

11-3/4", 42#, WC-40 Csg  
Set @ 1180' w/700 sx cmt.  
Circulated.

Date Completed: 11/13/93

Initial Formation: Fusselman

\* Perf 8811' - 8815', 8818' - 8824'. 2/JSPF.  
Acdz perms 8811'-8824' w/700 gals 15%.

\* 10/95 Acdz perms 8811' - 8824' w/1500 gal  
15% .

\* 06/99 Set CIBP @ 8806. Perf 8768' - 8784.  
2/JSPF. Acdz perms 8768' - 8784' w/500 gal 15%.

\* 05/02 Pull Drid out CIBP @ 8806. Sqzd perms  
f/ 8768' - 8784. Set CIBP @ 8715'. LD rods. TA'd  
well.

#### Intermediate Casing

8-5/8", 32#, K-55 & S-80 Csg  
Set @ 3750' w/1775 sx cmt.  
Circulated.

CIBP set @ 8715'

#### Production Casing

5-1/2", 15.5/17# Csg  
Set @ 8950' w/2255sx cmt.  
Circulated.

#### Perfs

8768-84'

8811-24'

#### Status

Fusselman - sqzd

Fusselman - sqzd

TD 8950'

CHECKLIST FOR ADMINISTRATIVE INJECTION APPLICATIONS

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

Well: B. F. Harrison "B" Well No. 12

Contact: Kathy Jackson

Title: Engineering TA

Phone: 432-687-7741

Date in: \_\_\_\_\_

Release Date: \_\_\_\_\_

Date out: \_\_\_\_\_

Proposed Injection Application is for: \_\_\_\_\_ WATERFLOOD \_\_\_\_\_ Expansion X Initial

Original Order: R-\_\_\_\_\_ Secondary Recovery \_\_\_\_\_ Pressure Maintenance

SENSITIVE AREAS

X SALT WATER DISPOSAL

\_\_\_\_\_ WIPP

\_\_\_\_\_ Capitan Reef

\_\_\_\_\_ Commercial Operation

Data is complete for proposed well(s)? \_\_\_\_\_ Additional Data \_\_\_\_\_

AREA of REVIEW WELLS

34 Total # of AOR

4 # of Plugged Wells

Yes Tabulation Complete

Yes Schematics of P&A's

Yes Cement Tops Adequate

No AOR Repair Required

INJECTION INFORMATION

Injection Formation(s): San Andres

Source of Water: ChevronTexaco wells in the area

Compatible: Yes

PROOF OF NOTICE

\_\_\_\_\_ Copy of Legal Notice

\_\_\_\_\_ Information Printed Clearly

\_\_\_\_\_ Correct Operators

\_\_\_\_\_ Copies of Certified Mail Receipts

\_\_\_\_\_ Objection Received

\_\_\_\_\_ Set to Hearing \_\_\_\_\_ Date

NOTES: \_\_\_\_\_

APPLICATION QUALIFIES FOR ADMINSTRATIVE APPROVAL: Yes (Yes/No)

Communication with contact person:

1<sup>st</sup> Contact: \_\_\_\_\_ Telephoned \_\_\_\_\_ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

2<sup>nd</sup> Contact: \_\_\_\_\_ Telephoned \_\_\_\_\_ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

3<sup>rd</sup> Contact: \_\_\_\_\_ Telephoned \_\_\_\_\_ Letter \_\_\_\_\_ Date \_\_\_\_\_ Nature of Discussion \_\_\_\_\_

32 AOR

API	WELL NAME		OPERATOR	NS FTG	EW FTG	UL2	Sec	Tsp	Rge		
30-025-32107	B F HARRISON B #011	ck	ChevronTexaco	560N	2100W	C	09	23S	37E	OK	
30-025-32175	B F HARRISON B #013	ck	ChevronTexaco	513N	556W	D	09	23S	37E	OK	
30-025-32173	B F HARRISON B #014	ck	ChevronTexaco	1800N	1650W	F	09	23S	37E	OK	
30-025-32497	B F HARRISON B #017	ck	ChevronTexaco	990N	910W	D	09	23S	37E	OK	
30-025-32159	B F HARRISON B #018	ck	ChevronTexaco	990N	660W	D	09	23S	37E	OK	
30-025-32498	B F HARRISON B #023	ck	ChevronTexaco	1815N	1815W	F	09	23S	37E	OK	
30-025-32227	F B DAVIS #002	ck	ChevronTexaco	510N	500E	A	08	23S	37E	OK	
30-025-32223	G W SIMS #001	ck	ChevronTexaco	510N	2230E	B	09	23S	37E	OK	
30-025-32294	G W SIMS #003	ck	ChevronTexaco	760N	1900E	B	09	23S	37E	PEA OK	
30-025-32160	R R SIMS A #003	ck	ChevronTexaco	380S	2175W	N	04	23S	37E	CIRC OK	
30-025-32225	R R SIMS A #004	ck	ChevronTexaco	330S	960W	M	04	23S	37E	PEA CIRC OK	
30-025-32501	R R SIMS A #007	ck	ChevronTexaco	825S	604W	M	04	23S	37E	PEA CIRC OK	
30-025-35051	R R SIMS A #009	ck	ChevronTexaco	330S	1010W	M	04	23S	37E	CIRC OK	
30-025-30568	B F HARRISON B #002	x-ck	ChevronTexaco	1980N	1800W	F	09	23S	37E	DVC7030 300	(197 12.4)
30-025-30200	B F HARRISON B #001	x	ChevronTexaco	593N	1707W	C	09	23S	37E	+ 700	1.28
30-025-31199	B F HARRISON B #003	x	ChevronTexaco	340N	1700W	C	09	23S	37E		
30-025-31200	B F HARRISON B #004	x	ChevronTexaco	660N	800W	D	09	23S	37E		
30-025-31201	B F HARRISON B #005	x	ChevronTexaco	1950N	560W	E	09	23S	37E		
30-025-31539	B F HARRISON B #006	x	ChevronTexaco	1654N	1700W	F	09	23S	37E		
30-025-31794	B F HARRISON B #007	x	ChevronTexaco	510N	800W	D	09	23S	37E		
30-025-31955	B F HARRISON B #008	x	ChevronTexaco	510N	660W	D	09	23S	37E		
30-025-32106	B F HARRISON B #010	x	ChevronTexaco	1780N	660W	E	09	23S	37E		
30-025-32443	B F HARRISON B #016	x	ChevronTexaco	996N	531W	D	09	23S	37E		
30-025-32499	B F HARRISON B #025	x	ChevronTexaco	825N	1980W	C	09	23S	37E		
30-025-32226	F B DAVIS #001	x	ChevronTexaco	660N	500E	A	08	23S	37E		
30-025-32900	G W SIMS #004	x	ChevronTexaco	1980N	2310E	G	09	23S	37E		
30-025-35502	G W SIMS #005	x	ChevronTexaco	990N	2310E	B	09	23S	37E		
30-025-30483	R R SIMS A #001	x	ChevronTexaco	330S	2308W	N	04	23S	37E		
30-025-31538	R R SIMS A #002	x	ChevronTexaco	660S	1650W	N	04	23S	37E		
30-025-32944	R R SIMS A #006	x	ChevronTexaco	500S	375W	M	04	23S	37E		
30-025-32901	R R SIMS A #008	x	ChevronTexaco	660S	1930E	N	04	23S	37E		
30-025-32902	R R SIMS B #001	x	ChevronTexaco	535S	2030E	O	04	23S	37E		

## CHEVRONTEXACO

Well Name	Well No.	API #	Field	Reservoir	Status	Company	Location			Wellbore Diagram
							Tsp	Rge	Sec	Lot
Davis, F. B.	1	30-025-32226	N Teague	Paddock, L.	Active	Chevron USA Inc.	23S	37E	8	A
Harrison, B. F. B	1	30-025-30200	N Teague	Drinkard-Abo	Active	Chevron USA Inc.	23S	37E	9	C
Harrison, B. F. B	2	30-025-31201	N Teague	Blinebry	Active	Chevron USA Inc.	23S	37E	9	F
Harrison, B. F. B	3	30-025-31199	NW Teague	Devonian	Active	Chevron USA Inc.	23S	37E	9	C
Harrison, B. F. B	4	30-025-31200	N Teague	Drinkard-Abo	Active	Chevron USA Inc.	23S	37E	9	D
Harrison, B. F. B	5	30-025-31201	N Teague	Paddock, L.	Active	Chevron USA Inc.	23S	37E	9	E
Harrison, B. F. B	6	30-025-31539	N Teague	Fusselman	Active	Chevron USA Inc.	23S	37E	9	F
Harrison, B. F. B	7	30-025-31794	N Teague	Paddock, L.	Active	Chevron USA Inc.	23S	37E	9	D
Harrison, B. F. B	8	30-025-31955	Teague	Glorieta, L.	Active	Chevron USA Inc.	23S	37E	9	D
Harrison, B. F. B	10	30-025-32106	Teague	Glorieta, L.	Active	Chevron USA Inc.	23S	37E	9	E
Harrison, B. F. B	16	30-025-32443	SWD	San Andres	Active	Chevron USA Inc.	23S	37E	9	D
Harrison, B. F. B	25	30-025-32499	N Teague	Paddock, L.	Active	Chevron USA Inc.	23S	37E	9	C
Sims, G. W.	4	30-025-32900	N Teague	Drinkard-Abo	Active	Chevron USA Inc.	23S	37E	9	G
Sims, G. W.	5	30-025-35502	N Teague	Tubb	Active	Chevron USA Inc.	23S	37E	9	B
Sims, R. R. A	1	30-025-30483	N Teague	Ellenburger	Active	Chevron USA Inc.	23S	37E	4	N
Sims, R. R. A	2	30-025-31538	NW Teague	Devonian	Active	Chevron USA Inc.	23S	37E	4	N
Sims, R. R. A	6	30-025-32944	SW Teague	Glorieta, L.	TA'd	Chevron USA Inc.	23S	37E	4	M
Sims, R. R. A	8	30-025-32901	N Teague	Blinebry/Tubb	P&A'd	Chevron USA Inc.	23S	37E	4	N
Sims, R. R. B	1	30-025-32902	N Teague	Paddock, L.	Active	Chevron USA Inc.	23S	37E	4	O

## OUTSIDE OPERATORS

Well Name	Well No.	API #	Field	Reservoir	Status	Company	Location			Wellbore Diagram
							Tsp	Rge	Sec	Lot
Harrison, B. F. C	1	30-025-31956	N Teague	Paddock, L.	TA'd	Breck Operating	23S	37E	9	L
Skelly Penrose A Unit	31	30-025-10628	Langlie-Mattix	7Rivers, Qn	* P&A'd	Apache Corp.	23S	37E	4	K
Skelly Penrose A Unit	33	30-025-10623	Langlie-Mattix	7Rivers, Qn	TA'd	Gruy Petr. Mgmt. Co.	23S	37E	4	M
Skelly Penrose A Unit	34	30-025-10622	Langlie-Mattix	7Rivers, Qn	TA'd	Gruy Petr. Mgmt. Co.	23S	37E	4	N
Skelly Penrose A Unit	35	30-025-10621	Langlie-Mattix	7Rivers, Qn	TA'd	Gruy Petr. Mgmt. Co.	23S	37E	4	O
Skelly Penrose A Unit	46	30-025-10692	Langlie-Mattix	7Rivers, Qn	TA'd	Gruy Petr. Mgmt. Co.	23S	37E	9	B
Skelly Penrose A Unit	47	30-025-10682	Langlie-Mattix	7Rivers, Qn	TA'd	Gruy Petr. Mgmt. Co.	23S	37E	9	G
Skelly Penrose A Unit	57	30-025-10678	Langlie-Mattix	7Rivers, Qn	* P&A'd	Apache Corp.	23S	37E	9	J
Skelly Penrose B Unit	41	30-025-10684	Langlie-Mattix	7Rivers, Qn	TA'd	Smith & Marrs Inc.	23S	37E	9	C
Skelly Penrose B Unit	42	30-025-10685	Langlie-Mattix	7Rivers, Qn	TA'd	Smith & Marrs Inc.	23S	37E	9	D
Skelly Penrose B Unit	43	30-025-10666	Langlie-Mattix	7Rivers, Qn	Active	Smith & Marrs Inc.	23S	37E	8	A
Skelly Penrose B Unit	51	30-025-10683	Langlie-Mattix	7Rivers, Qn	* P&A'd	Oxy USA Inc.	23S	37E	9	E
Skelly Penrose B Unit	52	30-025-10686	Langlie-Mattix	7Rivers, Qn	TA'd	Oxy USA Inc.	23S	37E	9	F
Skelly Penrose B Unit	53	30-025-10688	Langlie-Mattix	7Rivers, Qn	Active	Smith & Marrs Inc.	23S	37E	9	K
Skelly Penrose B Unit	54	30-025-10687	Langlie-Mattix	7Rivers, Qn	TA'd	Smith & Marrs Inc.	23S	37E	9	L

\* For outside operators, only need P&amp;A'd WBDs



32 AOR  
(P&A)

### CHEVRONTEXACO

Well Name	Well No.	API #	Surface Casing				Intermediate Casing				Production Casing				Penetrate San Andres?			
			size	hole	depth	sx cmt	cmt top	size	hole	depth	sx cmt	cmt top	size	hole		depth	sx cmt	cmt top
Davis, F. B.	1	30-025-32226	11-3/4"	14-3/4"	1180'	750	surface	8-5/8"	11"	3750'	1825	surface	5-1/2"	7-7/8"	7700'	1580	surface	yes
Harrison, B. F. B	1	30-025-30200	13-3/8"	17-1/2"	1180'	1400	surface	9-5/8"	12-1/4"	3745'	1950	surface	7"	8-3/4"	8900'	1125	surface	yes
Harrison, B. F. B	2	30-025-31201	13-3/8"	17-1/2"	1175'	1400	surface	9-5/8"	12-1/4"	3750'	1750	50' by TS	7"	8-3/4"	10258'	1000	4229' by TS	yes
Harrison, B. F. B	3	30-025-31199	13-3/8"	17-1/2"	1165'	1100	surface	9-5/8"	12-1/4"	3750'	1600	200' by TS	5-1/2"	8-3/4"	8907'	2200	surface	yes
Harrison, B. F. B	4	30-025-31200	13-3/8"	17-1/2"	1180'	1100	surface	9-5/8"	12-1/4"	3755'	1950	surface	5-1/2"	8-3/4"	10402'	2600	surface	yes
Harrison, B. F. B	5	30-025-31201	13-3/8"	17-1/2"	1180'	1100	surface	9-5/8"	12-1/4"	3685'	1450	300' by TS	5-1/2"	8-3/4"	10307'	2800	surface	yes
Harrison, B. F. B	6	30-025-31539	13-3/8"	17-1/2"	1180'	900	surface	9-5/8"	12-1/4"	3750'	1625	surface	5-1/2"	7-7/8"	8950'	1700	surface	yes
Harrison, B. F. B	7	30-025-31794	13-3/8"	17-1/2"	1180'	900	surface	9-5/8"	12-1/4"	3750'	1325	surface	5-1/2"	7-7/8"	9000'	1725	274' by TS	yes
Harrison, B. F. B	8	30-025-31955	11-3/4"	14-3/4"	1155'	500	surface						5-1/2"	7-7/8"	5400'	2280	surface	yes
Harrison, B. F. B	10	30-025-32106	8-5/8"	12-1/4"	1180'	650	surface						5-1/2"	7-7/8"	5448'	1325	surface	yes
Harrison, B. F. B	16	30-025-32443	8-5/8"	11"	1156'	650	surface						* 5-1/2"	7-7/8"	4225'	1100	surface	yes
Harrison, B. F. B	25	30-025-32499	9-5/8"	12-1/4"	1180'	650	surface						7"	8-3/4"	7150'	3400	surface	yes
Sims, G. W.	4	30-025-32900	9-5/8"	12-1/4"	1190'	650	surface						7"	8-3/4"	7250'	2000	surface	yes
Sims, G. W.	5	30-025-35502	8-5/8"	11"	1005'	700	surface						5-1/2"	7-7/8"	7250'	1900	surface	yes
Sims, R. R. A	1	30-025-30483	13-3/8"	17-1/2"	1180'	1400	surface	9-5/8"	12-1/4"	3800'	1750	surface	7"	8-3/4"	8690'	1450	surface	yes.
Sims, R. R. A	2	30-025-31538	13-3/8"	17-1/2"	1150'	900	surface	9-5/8"	12-1/4"	3750'	1715	1170'	5-1/2"	7-7/8"	8780'	2275	400' by TS	yes
Sims, R. R. A	6	30-025-32944	8-5/8"	11"	1192'	550	surface						5-1/2"	7-7/8"	5475'	1700	1200' by TS	yes
Sims, R. R. A	8	30-025-32901	9-5/8"	12-1/4"	1182'	650	surface						7"	7-7/8"	7250'	3100	surface	yes
Sims, R. R. B	1	30-025-32902	9-5/8"	12-1/4"	1182'	650	surface						7"	7-7/8"	7250'	3000	surface	yes

### OUTSIDE OPERATORS

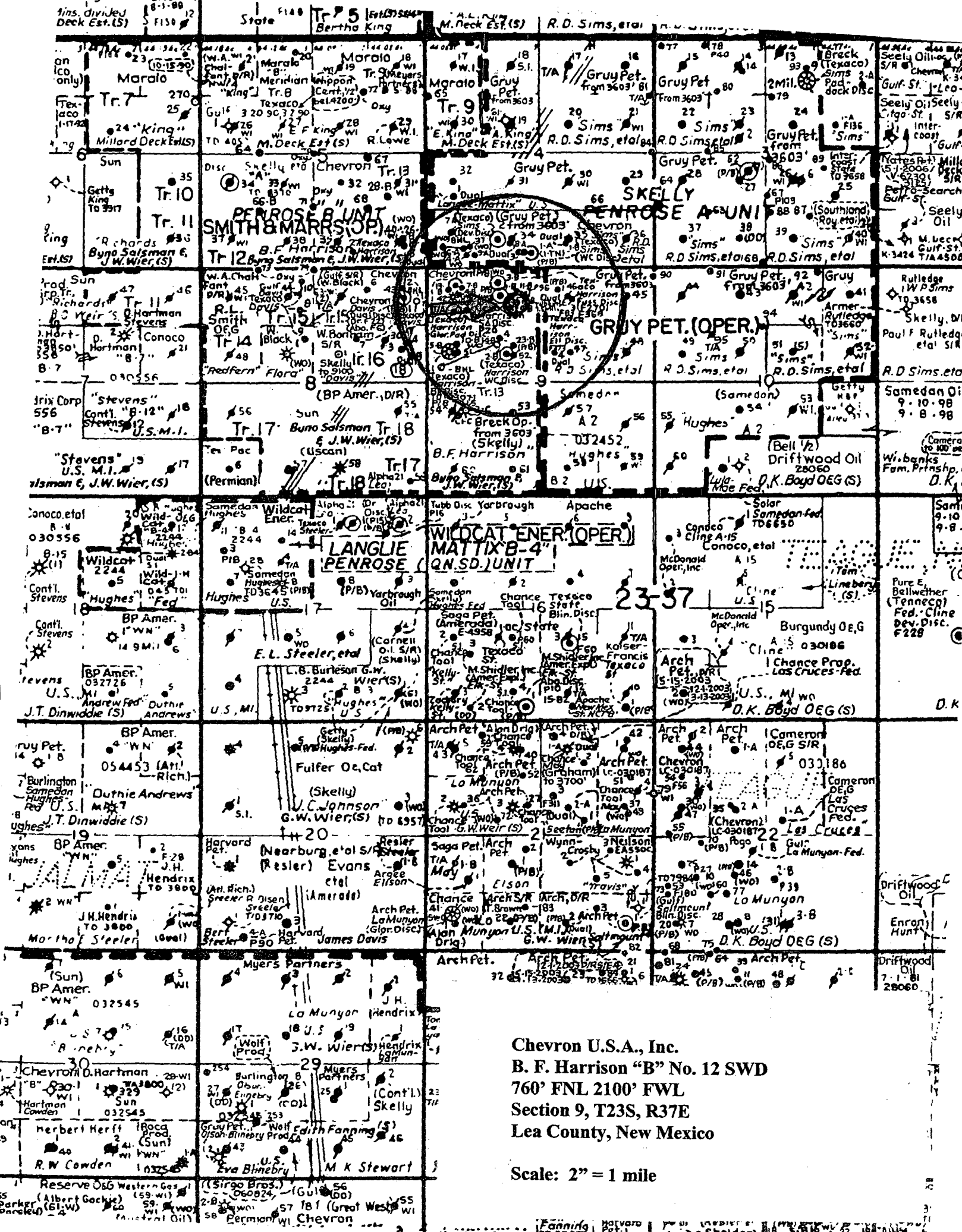
Well Name	Well No.	API #	Surface Casing				Intermediate Casing				Production Casing				Penetrate San Andres?			
			size	hole	depth	sx cmt	cmt top	size	hole	depth	sx cmt	cmt top	size	hole		depth	sx cmt	cmt top
Harrison, B. F. C	1	30-025-31956	11-3/4"	14-3/4"	1180'	460	surface	8-5/8"	11"	1153'	1150	surface	5-1/2"	7-7/8"	6000'	475	surface	yes
Skelly Penrose A Unit	31	30-025-10628	12-1/8"	NA	226'	300	surface	8-5/8"	11"	1153'	500	surface	*7"	8-3/4"	3369'	300	surface	no
Skelly Penrose A Unit	33	30-025-10623	8-5/8"	11"	370'	225	surface						5-1/2"	7-7/8"	3650'	200	surface	no
Skelly Penrose A Unit	34	30-025-10622	10-3/4"	12-1/2"	154'	100	surface						7"	8-1/2"	3389'	500	surface	no
Skelly Penrose A Unit	35	30-025-10621	10-3/4"	12-1/2"	143'	75	surface						7"	8-1/2"	3394'	400	surface	no
Skelly Penrose A Unit	46	30-025-10692	16"	17"	1135'	100	surface	8-5/8"	11"	1138'	100	surface	7"	8-1/2"	3451'	200	surface	no
Skelly Penrose A Unit	47	30-025-10682	8-5/8"	11"	358'	300	surface						5-1/2"	7-7/8"	3650'	200	surface	no
Skelly Penrose A Unit	57	30-025-10678	8-5/8"	11"	325'	250	surface						5-1/2"	7-7/8"	3642'	325	surface	no
Skelly Penrose B Unit	41	30-025-10684	10-3/4"	12-1/2"	171'	100	surface						7"	8-1/2"	3390'	500	surface	no
Skelly Penrose B Unit	42	30-025-10685	9-5/8"	12-1/4"	1115'	350	surface						7"	8-1/2"	3449'	300	surface	no
Skelly Penrose B Unit	43	30-025-10666	10-3/4"	12-1/2"	1343'	49	surface						7"	8-1/2"	3402'	125	surface	no
Skelly Penrose B Unit	51	30-025-10683	8-5/8"	11"	372'	250	surface						5-1/2"	7-7/8"	3620'	200	surface	no
Skelly Penrose B Unit	52	30-025-10686	8-5/8"	11"	372'	250	surface						5-1/2"	7-7/8"	3654'	300	surface	no
Skelly Penrose B Unit	53	30-025-10688	8-5/8"	11"	370'	225	surface						5-1/2"	7-7/8"	3660'	200	surface	no
Skelly Penrose B Unit	54	30-025-10687	8-5/8"	11"	360'	225	surface						5-1/2"	7-7/8"	3645'	200	surface	no

\* Production Liner in Skelly Penrose A Unit #31

5-1/2" 3638' none 3325' TOL

\*OH in B. F. Harrison B #16

7-7/8" OH interval from 4225-4960'





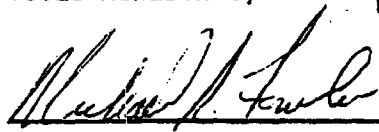
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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NEW MEXICO 88240

### CHEMICAL ANALYSIS OF WATER

Company : Peak Consulting Services  
City, St.:  
Proj. Name: Water Well & Windmill  
Location : Eunice - Harrison Area  
Sample 1 : Windmill S16 T23 R37E  
Sample 2 : Water Well S8 T23 R37E  
Sample 3 :  
Sample 4 :

Date : 8/9/93  
Lab #: H1317

PARAMETER	RESULT (mg/L)			
	SAMPLE			
	1	2	3	4
pH	7.25	9.12		
Hardness (CaCO <sub>3</sub> )	456	212		
Calcium (CaCO <sub>3</sub> )	340	92		
Magnesium (as CaCO <sub>3</sub> )	116	120		
Sulfate (SO <sub>4</sub> <sup>-</sup> )	180.5	166.0		
Chloride (Cl <sup>-</sup> )	180	88		
TDS	988	620		
PhenoAlkinity (p-Alk)	0	48		
Total Alkalinity	220	172		

  
Michael R. Fowler

  
Date

## **B. F. HARRISON "B" #12-SWD COMPLETION PROCEDURE**

**DATE:** April 19, 2004

**FIELD:** N. TEAGUE

**LOCATION:** 760' FNL 2100' FWL SEC. 9, T23S, R37E, LEA COUNTY, NM

**ZONE:** SAN ANDRES

**TYPE:** SWD

**SURFACE CASING:** 11-3/4", 42#, WC-40, STC csg set at 1180' in 14-3/4" hole. Cemented w/750 sx cmt. Circ w/70 sx cmt to surface.

**INTERMEDIATE CASING:** 8-5/8", 32#, K-55 & S-80 csg set at 3750' in 11" hole. Cemented w/1775 sx cmt. Circ w/500 sx cmt to surface.

**PRODUCTION CASING:** 5-1/2", 15.5# & 17#, J-55 csg set at 8950' in 7-7/8" hole. Cemented w/2180 sx cmt. Circ w/375 sx cmt to surface. TD: 8950'.

The lower San Andres will be completed as a SWD completion from 4225-4960'. After acidizing, the well should dispose of field produced water on vacuum. The lower San Andres reservoir pressure is equivalent to a 7 ppg EMW.

1. TIH with a 4-3/4" bit and cleanout to 8715'.
2. Pull bit out of hole.
3. Rig up perforators. Perf interval f/ 4225-4960' w/2 shots per foot.
4. RIH w/tubing & packer. Set packer @ 4200'.
5. Acidize perfs w/7000 gals 15% acid.

6. POH w/tubing and packer.
7. RIH w/plastic-coated tubing and packer.
8.
  - a) Set packer at 4200' in 10,000 lbs compression.
  - b) Test annulus to 1500 psi to test packer and tubing.
  - c) Set plug in profile. Release on/off tool.
  - d) Circulate packer fluid (1 drum of Champion RDF-134 per 100 bbls fresh water).
  - e) Latch onto on/off tool. Set in 10k compression. Retrieve plug in profile.
  - f) Install master valve.
  - g) Change out gate valve on bradenhead with a 2" 3000 psi Balon ball valve (H2S trim). Use the nipple that is currently on wellhead. Return gate valve to warehouse to be used on next available wellhead. Do not change out gate valves on 5-1/2" casing.
  - h) Plumb bradenhead valve to surface.
  - i) Run mechanical integrity test by testing annulus to 1500 psi for 30 minutes. Record on circle chart. Send chart to NMOCD. Notify the NMOCD in Hobbs 24 hrs prior to testing casing.
  - j) Install 500 psi pressure gauge on 5-1/2" x 2-7/8" annulus (pressure gauge required by NMOCD).

K. M. Jackson  
4/19/2004

Approved: \_\_\_\_\_

Mark S. Wakefield

# CURRENT WELL DATA SHEET

*Active*

Field: <u>N. Teague</u>	Well Name: <u>F. B. Davis #1</u>	Lease Type: <u>Fee</u>
Location: <u>660' FNL &amp; 500' FEL</u>	Sec: <u>8-A</u> Township: <u>23S</u>	Range: <u>37E</u>
County: <u>Lea</u> State: <u>New Mexico</u>	Refno: <u>QU1963</u> API: <u>30-025-32226</u>	Cost Center: <u>UCU820600</u>
Current Status: <u>PR</u>		
Current Producing Formation(s): <u>L. Paddock/Blinbry</u>		

## Surface Csg.

Size: 11 3/4"  
 Wt.: 42#  
 Set @: 1180'  
 Sxs cmt: 750  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 14 3/4"

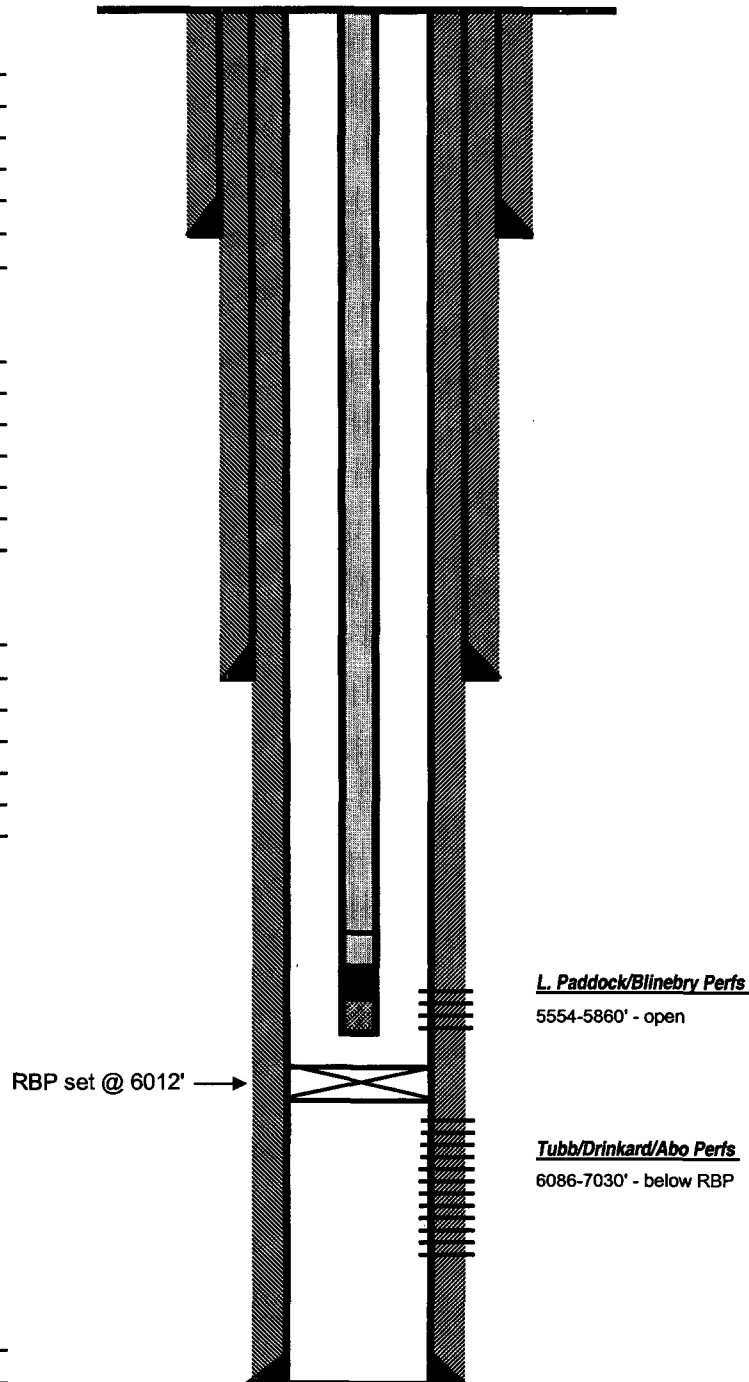
## Intermediate Csg.

Size: 8 5/8"  
 Wt.: 32#  
 Set @: 3750'  
 Sxs Cmt: 1825  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 11"

## Production Csg.

Size: 5 1/2"  
 Wt.: 15.5#  
 Set @: 7700'  
 Sxs Cmt: 1580  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 7 7/8"

KB: 3337'  
 DF:             
 GL: 3323'  
 Spud Date: 10/1/1993  
 Compl. Date: 2/1/1994



PBD: 6340'  
 TD: 7700'

prepared by: K M Jackson  
 Date: 1/20/2004

Active

TEXACO EXPL & PROD INC.  
B F HARRISON "B" #1  
UNIT: C SEC 9 T 23 S R 37 E  
593/FNL 1707/FWL  
TD: 10250

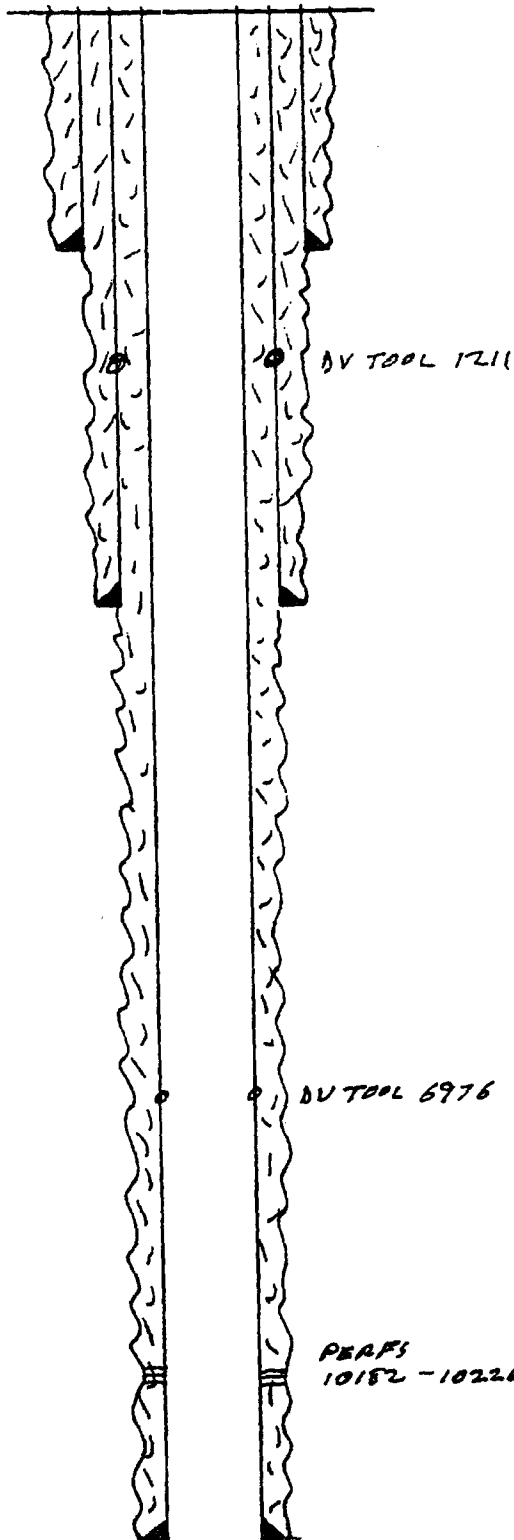
TABULAR DATA

SURFACE CASING  
SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2  
CEMENTED WITH 1400  
TOC: SURFACE DETERMINED BY: CIRC 25 SX

INTERMEDIATE 1 CASING  
SIZE: 9 5/8 SET AT: 3745 HOLE SIZE: 12 1/4  
CEMENTED WITH 1950  
TOC: SURFACE DETERMINED BY: \*  
DV TOOL @: 1211  
IN ONE STAGE 1950 SX. CIRC 235 SX

PRODUCTION CASING  
SIZE: 7 SET AT: 8900 HOLE SIZE: 8 3/4  
CEMENTED WITH 1125  
TOC: SURFACE DETERMINED BY: \*\*  
DV TOOL @: 6976  
1 ST STAGE 375 SX.  
2 ND STAGE 750 SX. CIRC 10 SX

PRODUCING INTERVAL: ELLENBURGER  
POOL: TEAGUE; ELLENBURGER, NORTH  
PERFS: 10182 TO 10226



Active

TEXACO EXPL & PROD INC.

B F HARRISON "B" #2

UNIT: F SEC 9 T 23 S R 37 E

1980/FNL 1800/FWL

TD: 10258

TABULAR DATA

SURFACE CASING

SIZE: 13 3/8 SET AT: 1175 HOLE SIZE: 17 1/2

CEMENTED WITH 1400

TOC: SURFACE DETERMINED BY: CIR 300 SX

INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3750 HOLE SIZE: 12 1/4

CEMENTED WITH 1750

TOC: 50 DETERMINED BY: CALC

DV TOOL @: 1244

1 ST STAGE 1400 SX.

2 ND STAGE 350 SX. DID NOT CIRC

PRODUCTION CASING

SIZE: 7 SET AT: 10258 HOLE SIZE: 8 3/4

CEMENTED WITH 1000

TOC: 4229 DETERMINED BY: CALC

DV TOOL @: 7070

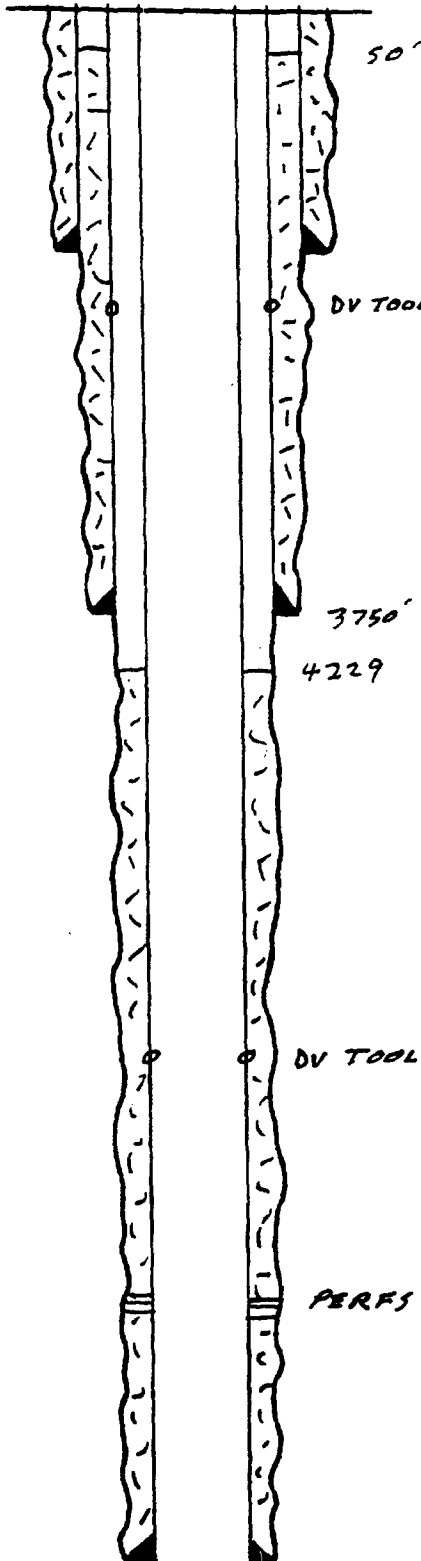
1 ST STAGE 300 SX.

2 ND STAGE 700 SX. DID NOT CIRC

PRODUCING INTERVAL: ELLENBURGER

POOL: TEAGUE; ELLENBURGER, NORTH

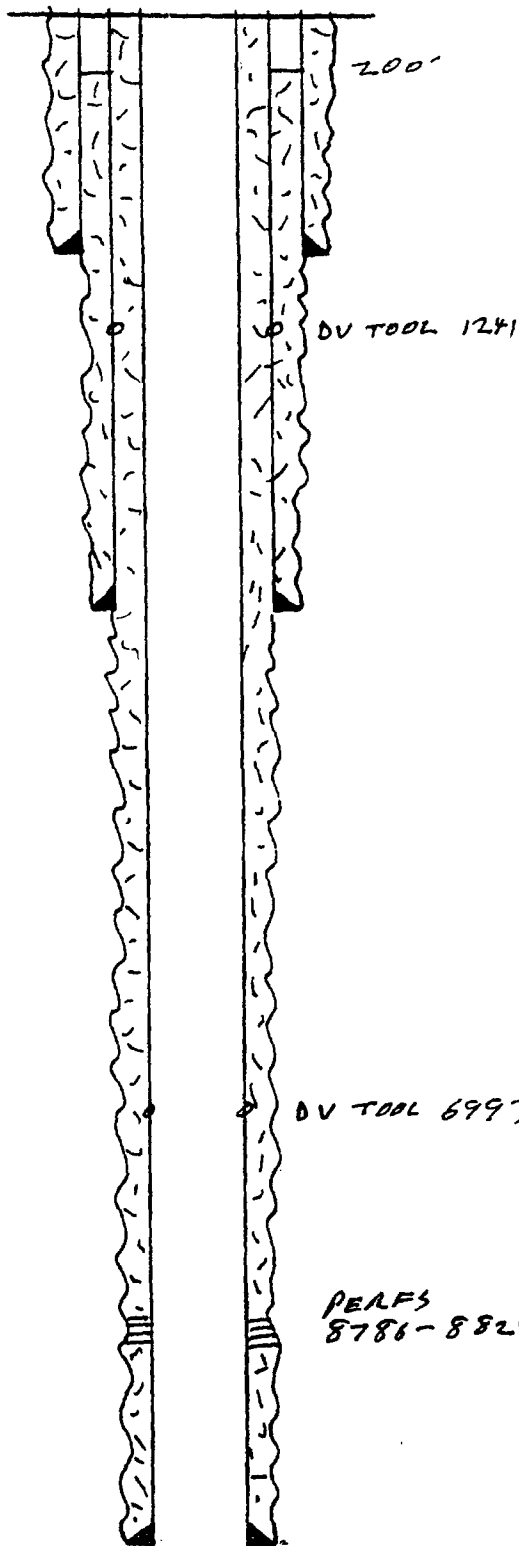
PERFS: 10204 TO 10252





Active

TEXACO EXPL & PROD INC.  
B F HARRISON "B" #3  
UNIT: C SEC 9 T 23 S R 37 E  
340/FNL 1700/FWL  
TD: 8907



TABULAR DATA

SURFACE CASING

SIZE: 13 3/8 SET AT: 1165 HOLE SIZE: 17 1/2  
CEMENTED WITH 1100  
TOC: SURFACE DETERMINED BY: CIRC 161 SX

INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3750 HOLE SIZE: 12 1/4  
CEMENTED WITH 1600  
TOC: 200 DETERMINED BY: TEMP SURVEY  
DV TOOL @: 1241  
1 ST STAGE 1150 SX. CIRC 247 SX  
2 ND STAGE 450 SX. DID NOT CIRC

PRODUCTION CASING

SIZE: 5 1/2 SET AT: 8907 HOLE SIZE: 8 3/4  
CEMENTED WITH 2200  
TOC: SURFACE DETERMINED BY: CIRC 96 SX  
DV TOOL @: 6693  
1 ST STAGE 750 SX. CIRC 250 SX  
2 ND STAGE 1450 SX. CIRC 96 SX

PRODUCING INTERVAL: FUSSELMAN  
POOL: TEAGUE; FUSSELMAN, NORTH  
PERFS: 8786 TO 8824

Active

TEXACO EXPL & PROD INC.

B F HARRISON "B" #4

UNIT: D SEC 9 T 23 S R 37 E

660/FNL 800/FWL

TD: 10402

TABULAR DATA

SURFACE CASING

SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2

CEMENTED WITH 1100

TOC: SURFACE DETERMINED BY: CIRC 284 SX

INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3755 HOLE SIZE: 12 1/4

CEMENTED WITH 1950

TOC: SURFACE DETERMINED BY: CIRC 100 SX

DV TOOL @: 1149

1 ST STAGE 550 SX. CIRC 150 SX

2 ND STAGE 1400 SX. CIRC 100 SX

PRODUCTION CASING

SIZE: 5 1/2 SET AT: 10402 HOLE SIZE: 8 3/4

CEMENTED WITH 2600

TOC: SURFACE DETERMINED BY: CIRC 66 SX

DV TOOL @: 6965

1 ST STAGE 1250 SX. CIRC 300 SX

2 ND STAGE 1350 SX. CIRC 66 SX

PRODUCING INTERVAL: ELLENBURGER

POOL: TEAGUE; ELLENBURGER, NORTH

PERFS: 10220 TO 10276

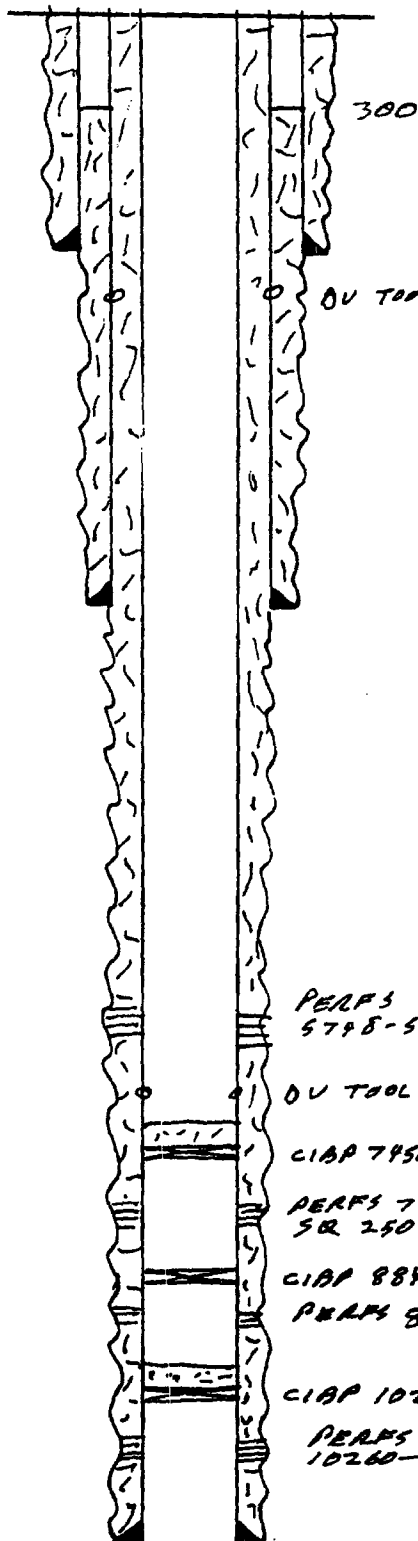
DV TOOL 1149

DV TOOL 6965

PERFS  
10220-10276

Active

TEXACO EXPL & PROD INC.  
B F HARRISON "B" #5  
UNIT: E SEC 9 T 23 S R 37 E  
1950/FNL 560/FWL  
TD: 10307



TABULAR DATA

SURFACE CASING  
SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2  
CEMENTED WITH 1100  
TOC: SURFACE DETERMINED BY: CIRC 298 SX

INTERMEDIATE 1 CASING  
SIZE: 9 5/8 SET AT: 3685 HOLE SIZE: 12 1/4  
CEMENTED WITH 1450  
TOC: 300 DETERMINED BY: TEMP SURVEY  
DV TOOL @: 1207  
1 ST STAGE 1150 SX. CIRC 85 SX  
2 ND STAGE 300 SX. DID NOT CIRC

PRODUCTION CASING  
SIZE: 5 1/2 SET AT: 10307 HOLE SIZE: 8 3/4  
CEMENTED WITH 2800  
TOC: SURFACE DETERMINED BY: CIRC 250 SX  
DV TOOL @: 7017  
1 ST STAGE 1150 SX. CIRC 175 SX  
2 ND STAGE 1650 SX. CIRC 250 SX

PRODUCING INTERVAL: BLINEBRY  
POOL: TEAGUE; BLINEBRY, NORTH (GAS)  
PERFS: 5748 TO 5758

08/12/91 PERF 10260-10274  
08/24/91 SET CIBP @ 10220 W/ 35' CEMENT  
08/27/91 PERF 8900-8928  
08/30/91 SET CIBP @ 8845  
09/12/91 SET CIBP @ 7450 W/35' CEMENT

Active

TEXACO EXPL & PROD INC.  
B F HARRISON "B" #6  
UNIT: F SEC 9 T 23 S R 37 E  
1654/FNL 1700/FWL  
TD: 8950

TABULAR DATA

SURFACE CASING

SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2  
CEMENTED WITH 900  
TOC: SURFACE DETERMINED BY: CIRC 140 SX

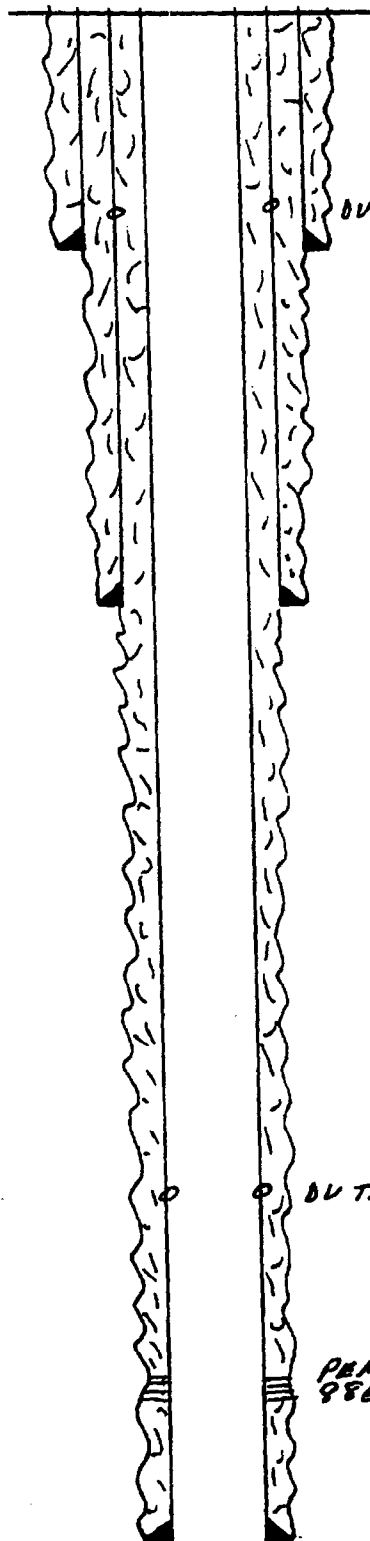
INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3750 HOLE SIZE: 12 1/4  
CEMENTED WITH 1625  
TOC: SURFACE DETERMINED BY: CIRC 40 SX  
DV TOOL @: 1089  
1 ST STAGE 1150 SX. CIRC 150 SX  
2 ND STAGE 475 SX. CIRC 85 SX

PRODUCTION CASING

SIZE: 5 1/2 SET AT: 8950 HOLE SIZE: 7 7/8  
CEMENTED WITH 1700  
TOC: SURFACE DETERMINED BY: CIRC 60 SX  
DV TOOL @: 7007  
1 ST STAGE 450 SX. CIRC 40 SX  
2 ND STAGE 1250 SX. CIRC 60 SX

PRODUCING INTERVAL: FUSSELMAN  
POOL: TEAGUE; FUSSELMAN, NORTH  
PERFS: 8868 TO 8870



DV TOOL 1089

DV TOOL 7007

PERFS  
8868-8870

Active

TEXACO EXPL & PROD INC.  
B F HARRISON "B" #7  
UNIT: D SEC 9 T 23 S R 37 E  
510/FNL 800/FWL  
TD: 9000

TABULAR DATA

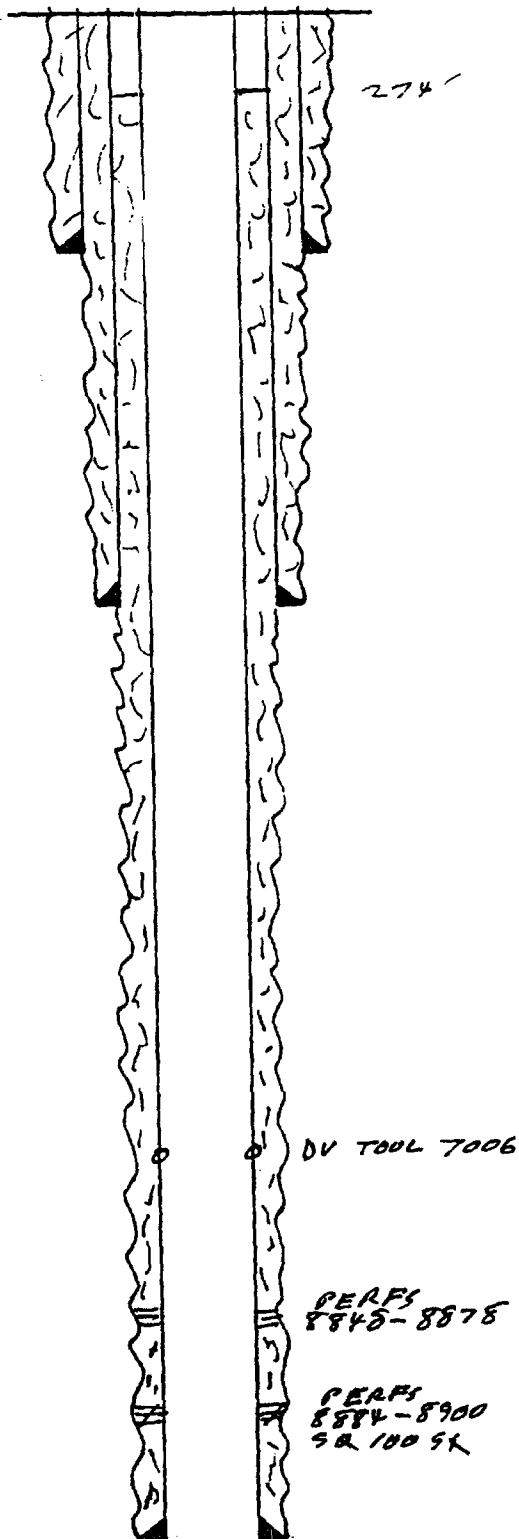
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SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2  
CEMENTED WITH 900  
TOC: SURFACE DETERMINED BY: CIRC 134 SX

INTERMEDIATE 1 CASING  
SIZE: 9 5/8 SET AT: 3750 HOLE SIZE: 12 1/4  
CEMENTED WITH 1325  
TOC: SURFACE DETERMINED BY: CIRC 130 SX

PRODUCTION CASING  
SIZE: 5 1/2 SET AT: 9000 HOLE SIZE: 7 7/8  
CEMENTED WITH 1725  
TOC: 274 DETERMINED BY: TEMP SURVEY  
DV TOOL @: 7006  
1 ST STAGE 475 SX. CIRC 150 SX  
2 ND STAGE 1250 SX. DID NOT CIRC

PRODUCING INTERVAL: FUSSELMAN  
POOL: TEAGUE; FUSSELMAN, NORTH  
PERFS: 8848 TO 8878

PERFS 8884-8900 SQ W/ 100 SX



Active

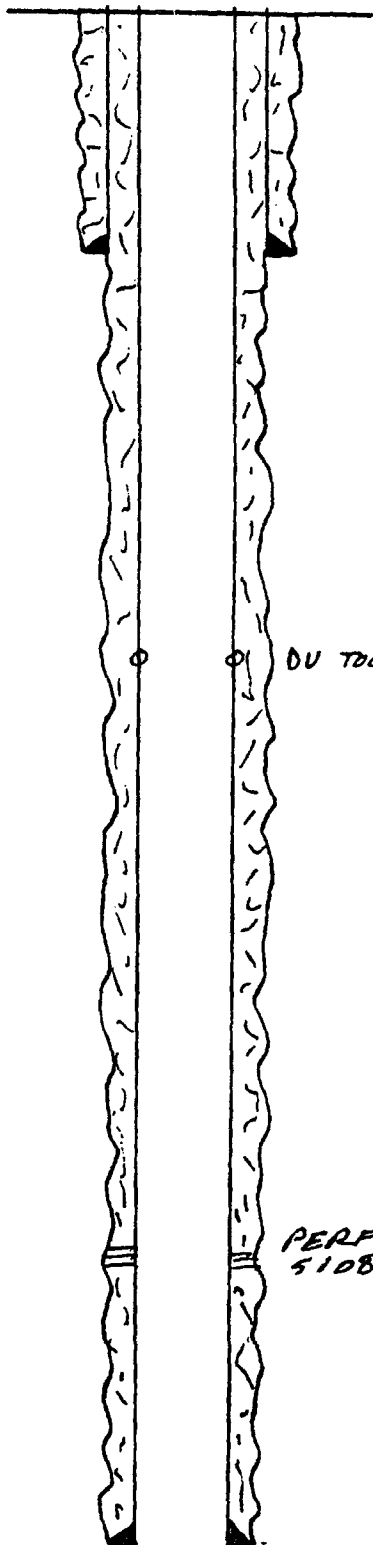
TEXACO EXPL & PROD INC.  
B F HARRISON "B" #8  
UNIT: D SEC 9 T 23 S R 37 E  
510/FNL 660/FWL  
TD: 5400

TABULAR DATA

SURFACE CASING  
SIZE: 11 3/4 SET AT: 1155 HOLE SIZE: 14 3/4  
CEMENTED WITH 500  
TOC: SURFACE DETERMINED BY: CIRC 15 SX

PRODUCTION CASING  
SIZE: 5 1/2 SET AT: 5400 HOLE SIZE: \*  
CEMENTED WITH 2280  
TOC: SURFACE DETERMINED BY: CIRC 160 SX  
DV TOOL @: 3750  
1 ST STAGE 350 SX. CIRC 58 SX  
2 ND STAGE 1930 SX. CIRC 160 SX

PRODUCING INTERVAL: GLORIETA-UPPER PADDO  
POOL: LEA UNDESIGNATED; GROUP 2  
PERFS: 5108 TO 5286



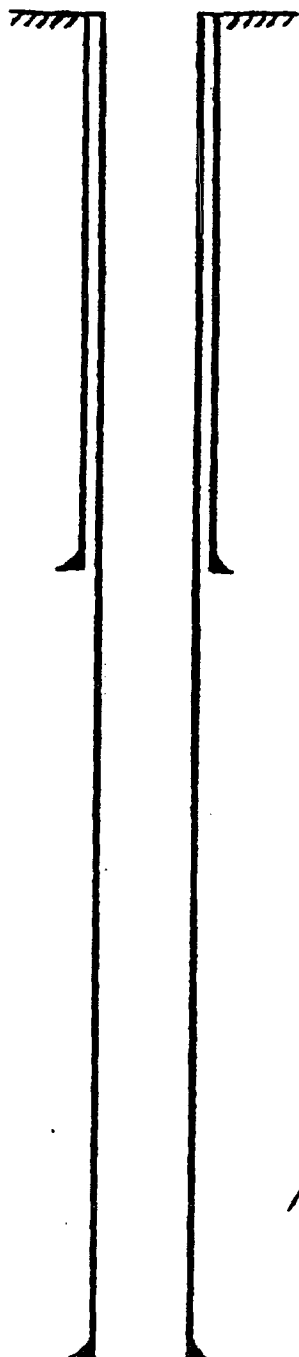
DV TOOL 3750

PERFS  
5108-5286

OPERATOR Texaco Expl. & Prod. Inc.		DATE 12-20-93
LEASE B.F. American B	WELL NO. 10	LOCATION 1780' FWL & 600' FWL

SEC 9-T23S-K37E  
Unit E

Active



8<sup>5</sup>/<sub>8</sub> " casing set at 1180' with 650 sx of \_\_\_\_\_ cement  
Hole size 12<sup>1</sup>/<sub>4</sub> " Cement Circulated

perft 5122 - 5132

5<sup>1</sup>/<sub>2</sub> " casing set at 5448' with 1325 sx of \_\_\_\_\_ cement  
Total Depth 5448' Hole size 7<sup>7</sup>/<sub>8</sub> " Cement Circulated

**CURRENT**  
**WELLBORE DIAGRAM**

Lease: B. F. Harrison "B"  
Location: 996' FNL 531' FWL  
County: Lea State: NM  
Current Status: Active Lot: D

Well No.: 16  
Sec: 9  
Refno: QU3087  
Reservoir: San Andres

Field: Teague  
Tsp: 23S  
API: 3002532443

Range:  
Class:

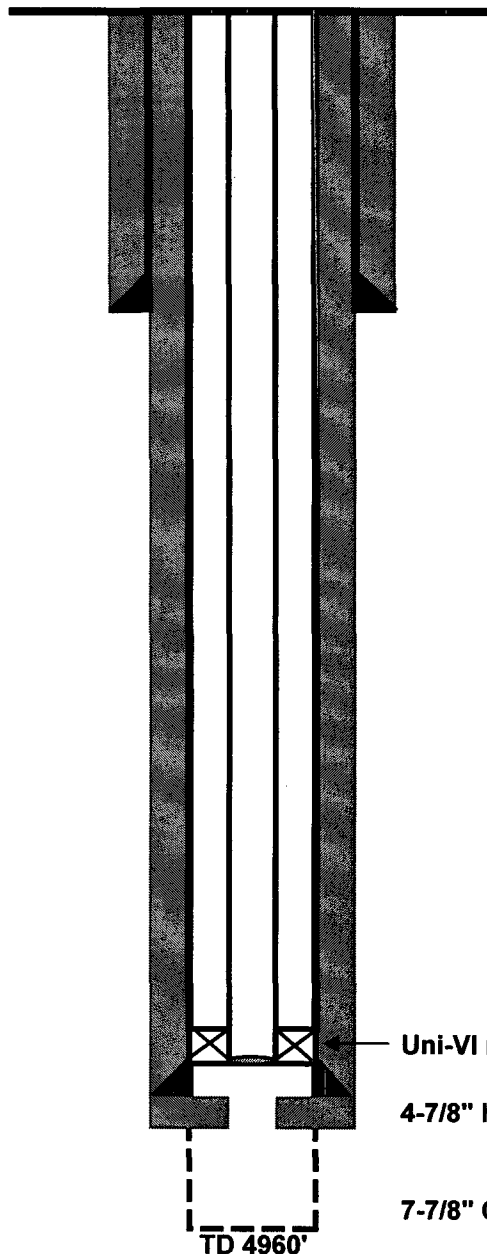
**Surface Csg.**

Size: 8-5/8"  
Wt.: 24#  
Set @: 1156'  
Sx cmt: 650 sx  
Circ: 103 sx  
TOC: surface  
Hole Size: 11"

KB: 3331'  
DF:             
GL: 3319'  
Spud Date: 5/12/1994  
Released Rig: 5/20/1994  
Completion Date: 6/7/1994

**Production Csg.**

Size: 5-1/2"  
Wt.: 15.5#  
Set @: 4225'  
Sxs Cmt: 1100 sx  
Circ: 85 sx  
TOC: surface  
Hole Size: 7-7/8"



Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Prepared by: K. M. Jackson  
Date: 2/24/2003



# TEXACO - North Teague Field

FIELD: North Teague  
 LOCATION: 825' FNL 1980' FWL  
 TOWNSHIP: 23S SEC: 9  
 RANGE: 37E COUNTY: Lea  
 LOT: C STATE: NM

WELL NAME: B. F. Harrison 'B' #25  
 FORMATIONS: Blinebry & Tubb  
 OPERATOR: TEXACO  
 API No. 30-025-32499  
 REFNO: QU2057

*Active*

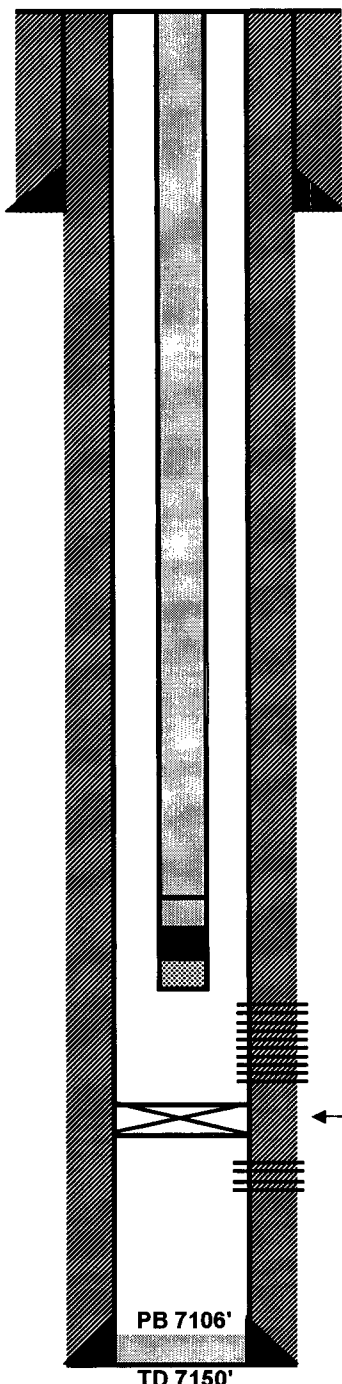
## DHC Blinebry & Tubb

GE: 3313' KB: 3325' DF: \_\_\_\_\_

Spud Date: 5/22/1994

Completion Date: 6/26/1994

Initial Formation: Tubb



Hole 12-1/4"  
 OD 9-5/8"  
 Wt. 36#  
 Set @ 1180'  
 w/ 650 sx cmt  
 TOC SURFACE (196 sx)

### Completion Data:

Jul-94 Perf Tubb formation w/2 JHPF as follows:

6084-86', 6090-93', 6096-98', 6103-12', 6124-26',  
 6131-34', 6138-48', 6154-57', 6160-73', 6179-85',  
 6188-91', 6195-98', 6200-03', 6206-15', 6225-27',  
 and 6229-34' (156 holes). Acdz w/4000 gal 15% HCL.  
 Frac w/58,000 gal XLG and 203,000# 16/30 sand.  
 IP: Flwd 4156 MCFD, 8.5 BO, 0 BW. (7/5/94)

### Subsequent Workovers/Reconditioning/Repairs:

Sep-99 Acid wash Tubb perms f/ 6084-6234' w/3500 gal 15%

NEFE HCL. Perf Blinebry as follows: 5590-94',  
 5670-74', 5692-94', 5711-17', 5747', 5754-56', 5804-06',  
 5822-24' and 5838-40'. Set RBP @ 5985'.  
 Acdz Blinebry perms f/ 5590-5840' w/4000 gal 15%  
 NEFE acid. Frac Blinebry perms f/5590-5840'  
 w/13,985 gal YF-135 D pad and 80,000# 16/30 sand.

Re-perf Blinebry as follows: 5589', 5591', 5593',  
 5595', 5669', 5671', 5673', 5675', 5691', 5693', 5695',  
 5710', 5712', 5716', 5718', 5746', 5748', 5753', 5755',  
 5757', 5803', 5805', 5807', 5821', 5823', 5825', 5837',  
 5839' and 5841'. Acdz Blinebry perms f/ 5589-5841'  
 w/3500 gal 15% NEFE HCL. Mini-frac w/10,000 gal  
 40# X-Link gel. Frac Blinebry perms f/ 5589-5841'  
 w/44,000 gal 40# X-Link gel, 45,000# 16/30 sand,  
 and 55,000# 16/30 resin-coated sand.  
 9/28/99 - 24 OPT: Flwd 100 BO, 145 BW & 1149  
 MCF (Blinebry 5589-5841').

### Tubing Detail

2-7/8" tubing landed @ 5532'

Perfs Status  
 5589-5841' Blinebry - open

← RBP set @ 5985'

Perfs Status  
 6084-6234' Tubb - below RBP

Hole 8-3/4"  
 OD 7"  
 Wt. 23 & 26#  
 Set @ 7150'  
 w/ 3400 sx cmt  
 TOC Surface (1082 sx)

Additional Remarks or Information:

**CURRENT WELL DATA SHEET***Active*

Field: N. Teague Well Name: G. W. Sims #4 Lease Type: State  
 Location: 1980' FNL & 2310' FEL Sec: 9-G Township: 23S Range: 37E  
 County: Lea State: New Mexico Refno: BC4537 API: 30-025-32900 Cost Center: UCU820900  
 Current Status: PR  
 Current Producing Formation(s): Drinkard/Abo-Blinebry DHC

**Surface Csg.**

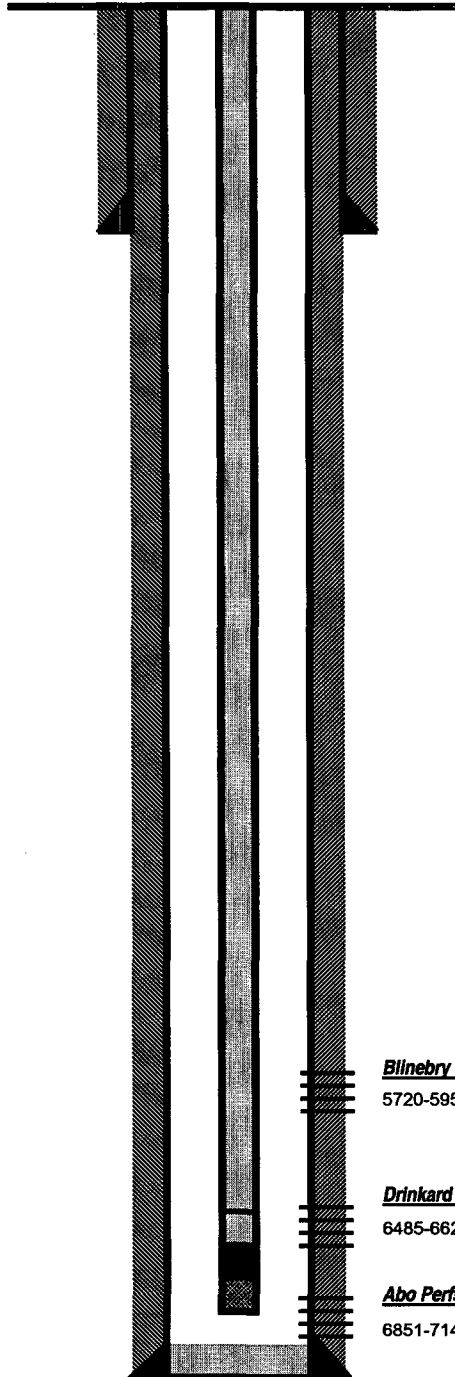
Size: 9 5/8"  
 Wt.: 36#  
 Set @: 1190'  
 Sxs cmt: 650  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 12-1/4"

**Production Csg.**

Size: 7"  
 Wt.: 32#, 25#, 23#  
 Set @: 7250'  
 Sxs Cmt: 2000  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 8 3/4"

Top Yates	2602'
Top Grayburg	3672'
Top San Andres	4024'
Top Glorieta	5072'
Top Paddock	5268'
Top Blinebry	5594'
Top Tubb	6114'
Top Drinkard	6304'
Top Abo	6626'

PBTD: 7200'  
 TD: 7250'



KB: \_\_\_\_\_  
 DF: \_\_\_\_\_  
 GL: 3305'  
 Spud Date: 4/14/1995  
 Released Rig: 4/27/1995  
 Compl. Date: 5/11/1995

**Blinebry Perfs**

5720-5952'

**Drinkard Perfs**

6485-6625'

**Abo Perfs**

6851-7142'

**Remarks:** See the well history and failure history attached

repaired by: K M Jackson  
 Date: 3/4/2004

# WELL DATA SHEET

**FIELD:** Teague, N.

**WELL NAME:** G. W. Sims #5

**LOCATION:** 990' FNL 2310' FEL

**TOWNSHIP:** 23S

**RANGE:** 37E

**LOT:** B

**SEC:** 9

**COUNTY:** Lea

**STATE:** NM

**GL:** 3310'

**KB:** 3324'

**DF:** 3323'

*Active*

**Surface Casing**

8-5/8", 24#, K-55 csg

Set @ 1005' w/700 sx cmt

Circ 107 sx cmt to surf

Cmt. Sqz. 5 1/2" Csg. Leak from 2,964'-96' w/  
1000 sxs. Cmt. ( Held 500 PSI OK ).

**Tubing Detail:**

#Jts. Size:	Footage
KB Correction	14.00
186 2 7/8" J-55 8rd	5863.01
TAC	2.78
38 2 7/8" J-55 8rd	1203.59
1 2 7/8" J-55 8rd IPC	31.65
2 7/8" API S.N.	1.10
<b>225 Pump Intake &gt;&gt;&gt;</b>	<b>7116.13</b>
2 7/8" Perf. Sub	4.29
2 7/8" BPMA Jt.	32.43
<b>EOT &gt;&gt;&gt;</b>	<b>7152.85</b>

**Rod Detail:**

#Rods: Size:	Footage
1 1/2" Polish Rod	26.00
1" Pony Rods ( 2',4',6',8' )	20.00
90 1"	2250.00
93 7/8"	2325.00
95 3/4"	2375.00
4 1 1/2" Sinker Bars	100.00
2 1/2"x2" Insert Pump	20.00
<b>282</b>	<b>7116.00</b>

Pump: 25-200-RHBC-20-4 #EGEN-3044

Barrel: 20' STCP w/ +.001 Fit

Plunger: 51" AXMP w/ -.004 Fit

**Production Casing**

5-1/2", 17#, K-55 & J-55 csg

Set @ 7250' w/1900 sx cmt

1st stage pmpd 400 sx cmt -  
did not bump the plug

2nd stage pmpd 1500 sx cmt

Circ 58 sx cmt to surf

TD 7250'

**Initial completion:**

4/23/02 - Perf Abo w/2JHPF the following intervals: 6708-11', 6723-31', 6740-49', 6804-13', 6816-22', 6830-39', 6850-54', 6876-81', 6886-97', 6900-04', 6912-32', 6934-40', 6946-57', 6960-68', 6972-88', 6994-7002', 7006-12', 7022-29' & 7032'

**Acidz Abo perfs** w/15,000 gals 20% HCL & 12,000 gals WF 125 gel wtr.

**Perf Drinkard** w/2JHPF the following intervals: 6344-34', 6352-56', 6367-84', 6387-92', 6394-97', 6448-6462-74', 6488-94', 6506-09', 6514-36', 6542-50', 6557-57', 6567-77', 6580-87' & 6603-16'. **Acid Frac D perfs** w/13,450 gals 20% HCL & 7500 gals WF wtr.

**Perf Tubb** f/ 6105-6255' (details unavailable on report). RIH w/R&P.

**Subsequent Workovers: 02-07-03**

Sqz. 5 1/2" csg leak f/ 2,964'-96' w/ 1000 sxs cm  
Acidz. Abo, Drinkard, & Tubb - put well back on p

TAC @ 5,879'

**Perfs**

6105-6255'

6304-6616'

6708-7038'

Updated: 02-13-

By: LPW

**FORMATION: Tubb/Drinkard/Abo**

**CURRENT STATUS: PR**

**API NO: 30-025-35502**

**REFNO: HF1051**

**Spud Date: 1/10/02**

**Rig Release Date: 1/28/02**

**Date Completed: 4/23/02**

**Initial Formation: Tubb/Drinkard/Abo**

**Completion:**

**Perf Abo w/2JHPF the following**

6708-11', 6723-31', 6740-49', 6804-13',  
6830-39', 6850-54', 6876-81', 6886-97',  
6912-32', 6934-40', 6946-57', 6960-68',  
6994-7002', 7006-12', 7022-29' & 7032-38'.

**perfs w/15,000 gals 20% HCL**

**gals WF 125 gel wtr.**

**kard w/2JHPF the following intervals: 6304-**

**-56', 6367-84', 6387-92', 6394-97', 6448-52',  
6488-94', 6506-09', 6514-36', 6542-50', 6552-**

**-77', 6580-87' & 6603-16'. Acid Frac Drinkard**

**3,450 gals 20% HCL & 7500 gals WF 125 gel**

**b f/ 6105-6255' (details unavailable on morning**

**LIH w/R&P.**

**Recent Workovers: 02-07-03**

**2" csg leak f/ 2,964'-96' w/ 1000 sxs cmt -**

**o, Drinkard, & Tubb - put well back on prod.**

**Status**

**Tubb - open**

**Drinkard - open**

**Abo - open**

# RR Sims A #1

TEXACO EXPL & PROD INC.

R R SIMS #1

UNIT: N SEC 4 T 23 S R 37 E

330/FSL 2308/FWL

TD: 10254

## TABULAR DATA

### SURFACE CASING

SIZE: 13 3/8 SET AT: 1180 HOLE SIZE: 17 1/2

CEMENTED WITH 1400

TOC: SURFACE DETERMINED BY: CIRC 400 SX

### INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3800 HOLE SIZE: 12 1/4

CEMENTED WITH 1750

TOC: SURFACE DETERMINED BY: CIRC 54 SX

DV TOOL @: 1222

IN ONE STAGE 1750 SX. CIRC 54 SX

### PRODUCTION CASING

SIZE: 7 SET AT: 8690 HOLE SIZE: 8 3/4

CEMENTED WITH 1450

TOC: SURFACE DETERMINED BY: \*

DV TOOL @: 6982

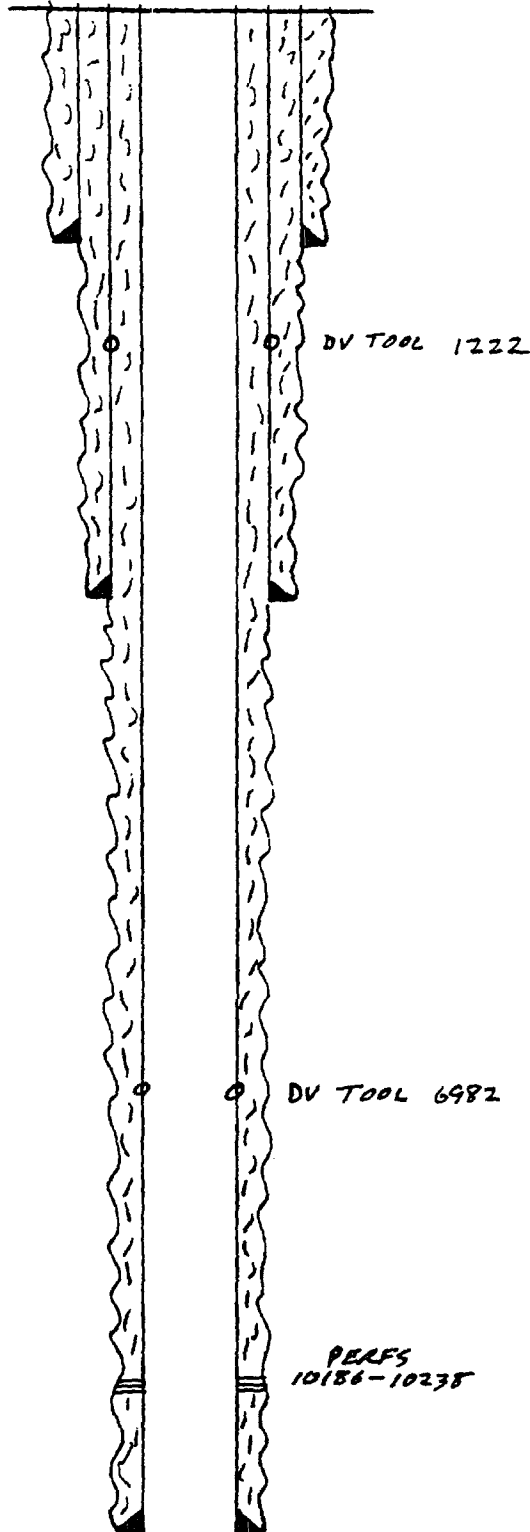
1 ST STAGE 495 SX. CIRC 154 SX

2 ND STAGE 955 SX. CIRC 60 SX

PRODUCING INTERVAL: ELLENBURGER

POOL: TEAGUE; ELLENBURGER, NORTH

PERFS: 10186 TO 10238



# RRSims A#2

TEXACO EXPL & PROD INC.

R R SIMS #2

UNIT: N SEC 4 T 23 S R 37 E

660/FSL 1650/FWL

TD: 8965

## TABULAR DATA

### SURFACE CASING

SIZE: 13 3/8 SET AT: 1150 HOLE SIZE: 17 1/2

CEMENTED WITH 900

TOC: SURFACE DETERMINED BY: CIRC 56 SX

### INTERMEDIATE 1 CASING

SIZE: 9 5/8 SET AT: 3750 HOLE SIZE: 12 1/4

CEMENTED WITH 1715

TOC: ~~SURFACE~~ 1170 DETERMINED BY: EST.

### PRODUCTION CASING

SIZE: 5 1/2 SET AT: 8780 HOLE SIZE: 7 7/8

CEMENTED WITH 2275

TOC: 400 DETERMINED BY: ESTIMATED

DV TOOL @: 7332

1 ST STAGE 425 SX. DID NOT CIRC

2 ND STAGE 600 SX. DID NOT CIRC

PRODUCING INTERVAL: DEVONIAN

POOL: TEAGUE;DEVONIAN, NORTHWEST

PERFS: 7508 TO 7598

\* 9 5/8 CEMENTED WITH 1315 SX

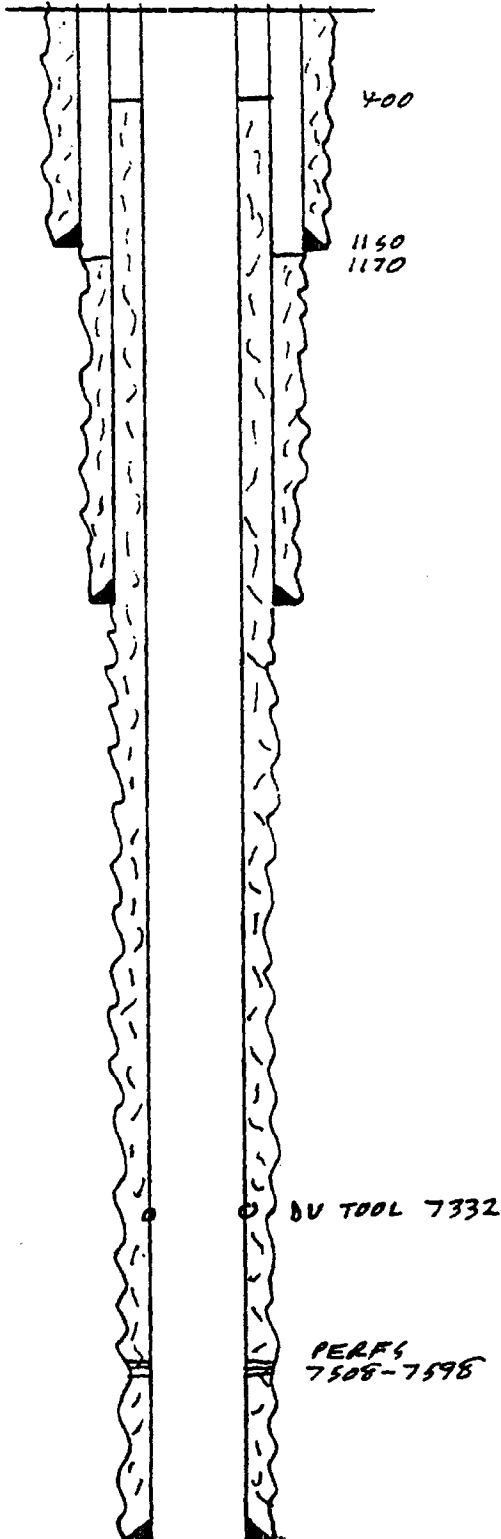
DID NOT CIRCULATE, CBL TOC @ 1875

SQUEEZED BACK SIDE 400 SX

\*\* 5 1/2 CASING

SQUEEZED ANNULUS WITH 1250 SX

EST TOC 400'



# CURRENT WELL DATA SHEET

Field: N. Teague Well Name: R. R. Sims A #6 Lease Type: Fee  
Location: 500' FSL & 375' FWL Sec: 4-M Township: 23S Range: 37E  
County: Lea State: New Mexico Refno: BC4544 API: 30-025-32944 Cost Center: UCU820800  
Current Status: TA'd  
Current Producing Formation(s): San Andres

## Surface Csg.

Size: 8 5/8"  
Wt.: 24#  
Set @: 1192'  
Sxs cmt: 550  
Circ: Yes  
TOC: Surface  
Hole Size: 11"

## Production Csg.

Size: 5 1/2"  
Wt.: 15.5# & 17#  
Set @: 5475'  
Sxs Cmt: 1700  
Circ: No  
TOC: 1200' by TS  
Hole Size: 7 7/8"

KB: 3339'

DF:

GL: 3324'

Spud Date: 6/28/1995

Released Rig: 7/6/1995

Compl. Date: 7/28/1995

CIBP set @ 3900'

CIBP set @ 4990'  
w/35' cmt on top

San Andres Perfs  
3994-4006'

Unsucessful horizontal

Glorieta/U. Paddock Perfs  
5104-5294'

TD: 5475'

repared by: K M Jackson

Date: 1/16/2004

# CURRENT WELL DATA SHEET

Field: N. Teague Well Name: R. R. Sims A #8 Lease Type: State  
Location: 660' FSL & 1930' FWL Sec: 4-N Township: 23S Range: 37E  
County: Lea State: New Mexico Refno: BE1430 API: 30-025-32901 Cost Center: UCU820800  
Current Status: P&A'd  
Current Producing Formation(s): L. Paddock-Blinebry/Tubb DHC

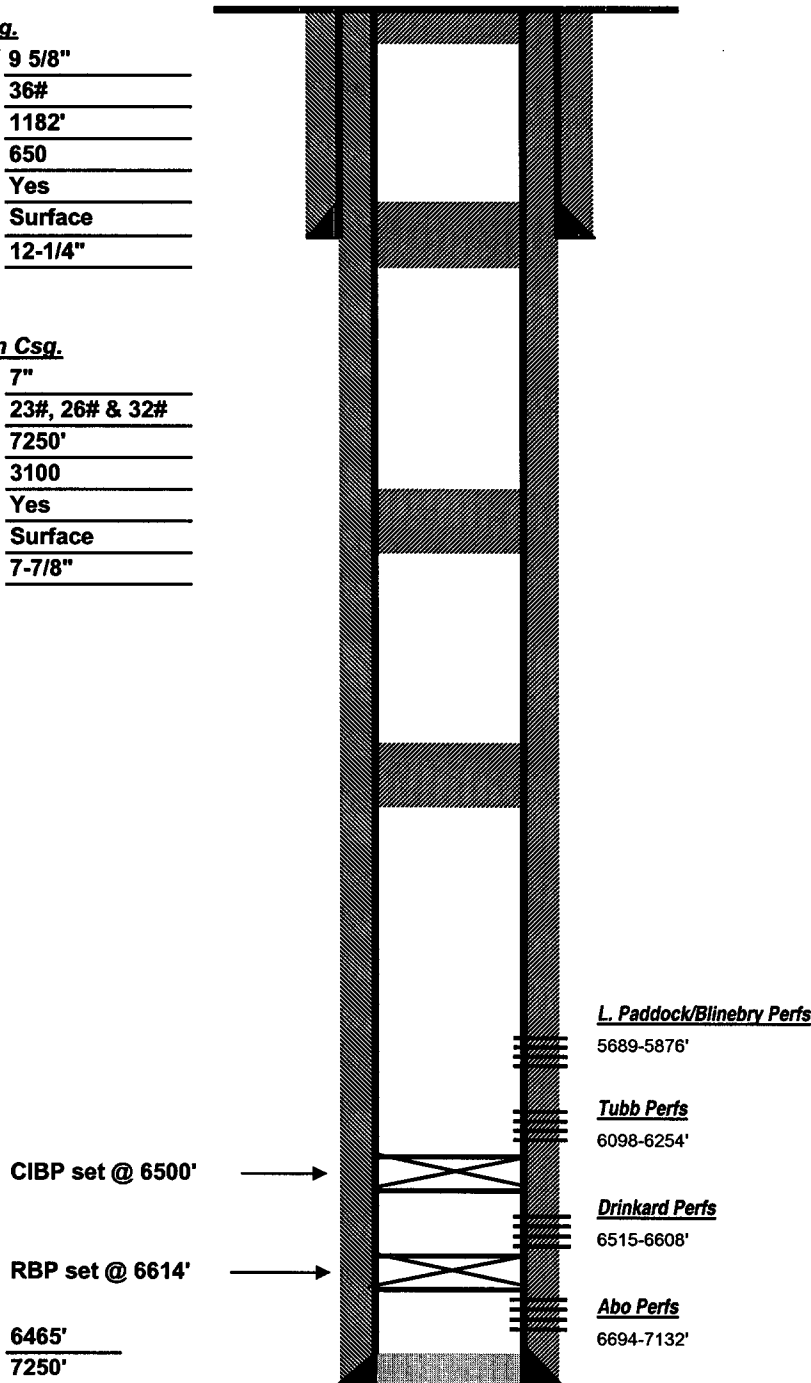
## Surface Csg.

Size: 9 5/8"  
Wt.: 36#  
Set @: 1182'  
Sxs cmt: 650  
Circ: Yes  
TOC: Surface  
Hole Size: 12-1/4"

## Production Csg.

Size: 7"  
Wt.: 23#, 26# & 32#  
Set @: 7250'  
Sxs Cmt: 3100  
Circ: Yes  
TOC: Surface  
Hole Size: 7-7/8"

KB: \_\_\_\_\_  
DF: \_\_\_\_\_  
GL: 3319'  
Spud Date: 5/10/1995  
Compl. Date: 5/27/1995



repared by: K M Jackson  
Date: 1/16/2004



# CURRENT WELL DATA SHEET

Active

Field: N. Teague Well Name: R. R. Sims "B" #1 Lease Type: State  
 Location: 535' FSL & 2030' FEL Sec: 4-O Township: 23S Range: 37E  
 County: Lea State: New Mexico Refno:          API: 30-025-32902 Cost Center: UCU820400  
 Current Status: PR  
 Current Producing Formation(s): L. Paddock-Blinebry/Tubb DHC

## Surface Csg.

Size: 9 5/8"  
 Wt.: 36#  
 Set @: 1182'  
 Sxs cmt: 650  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 12-1/4"

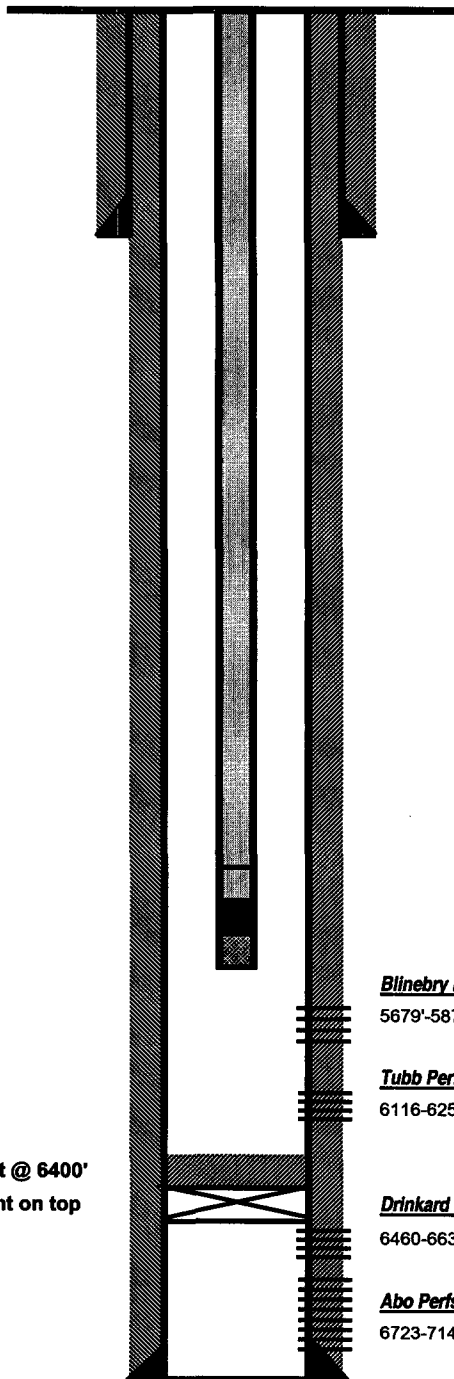
## Production Csg.

Size: 7"  
 Wt.: 32#, 26#, 23#  
 Set @: 7250'  
 Sxs Cmt: 3000  
 Circ: Yes  
 TOC: Surface  
 Hole Size: 7 7/8"

Top Yates	2597'
Top Grayburg	3676'
Top San Andres	4024'
Top Glorieta	5080'
Top Paddock	5252'
Top Blinebry	5586'
Top Tubb	6113'
Top Drinkard	6306'
Top Abo	6636'

CIBP set @ 6400'  
 w/35' cmt on top

PBTD:           
 TD: 7250'



## Blinebry Perfs

5679'-5872'

## Tubb Perfs

6116-6250'

## Drinkard Perfs

6460-6635'

## Abo Perfs

6723-7144'

KB:           
 DF: 3314'  
 GL:           
 Spud Date: 4/27/1995  
 Released Rig: 5/10/1995  
 Compl. Date:         

Remarks: See the well history and failure history attached

repared by: K M Jackson  
 Date: 3/4/2004

160-5  
990)

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Division  
P.O. Box 1980  
Hobbs, NM 88241FORM APPROVED  
Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

## SUBMIT IN TRIPLICATE

Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

Name of Operator

Apache Corporation

Address and Telephone No.

2000 Post Oak Ste 100 Houston, Tx 77056

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

Sec 4K, 23S, 37E, 1980' FSL, 1980' FWL

5. Lease Designation and Serial No.

LC 032452 A

6. If India Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Skelly Penrose "A" #31

9. API Well No.

30-025-10628

10. Field and Pool, or Exploratory Area

Langlie Matix (7rvrs Grbg)

11. County or Parish, State

Lea New Mexico

## CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

- ☐
- Notice of Intent
- 
- ☒
- Subsequent Report
- 
- ☐
- Final Abandonment Notice

## TYPE OF ACTION

- ☒
- Abandonment
- 
- ☐
- Recompletion
- 
- ☐
- Plugging Back
- 
- ☐
- Casing Repair
- 
- ☐
- Altering Casing
- 
- ☐
- Other

- ☐
- Change of Plans
- 
- ☐
- New Construction
- 
- ☐
- Non-Routine Fracturing
- 
- ☐
- Water Shut-Off
- 
- ☐
- Conversion to Injection
- 
- ☐
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

7/1/96 MIRU PU-P-A- Eqpt.

GIH w/ 2 3/8" tbg &amp; TA @ 2050'

RU Pump mix &amp; circ. hole w/10# mud

PUH to 1200'. Spot 255 sks "C" cmt

PUH to 275'. Spot 255 sks "C" cmt

POH w/ tbg to tag plug. Shut well in

7/2/96 Lower tbg &amp; tag @ 90'

PUH &amp; spot 10 sks cmt from 60' to surf

POH w/ tbg

NB BOP

Cut off wellhead and weld on steel Plate w/ dry hole marker

RDMO

ACCEPTED FOR RECORD

AUG 2 1 1996

BLM

I hereby certify that the foregoing is true and correct

Signed Carolyn Huntboon Title Eng. Tech

Date 7/30/96

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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

\*See Instruction on Reverse Side

Operator: Apache Corporation

Well: Skelly Penrose A Unit #31

Current Status PL'd

Field: Largo Matrix

Location:

1980' FSL 1980' FWL Sec 4, T23S, R37E  
1980' FSL & 1980' FWL  
NE SW Sec 4 - T23S - R37E  
Los Co., New Mexico

Plug: 60' - surface

Plug: 275' (255 sx)

Plug: 1200' (255 sx)

DF - 3325'

Surface Csg:  
12 1/8" 50# @ 228'  
Cement w / 300 sx  
Cement Circ

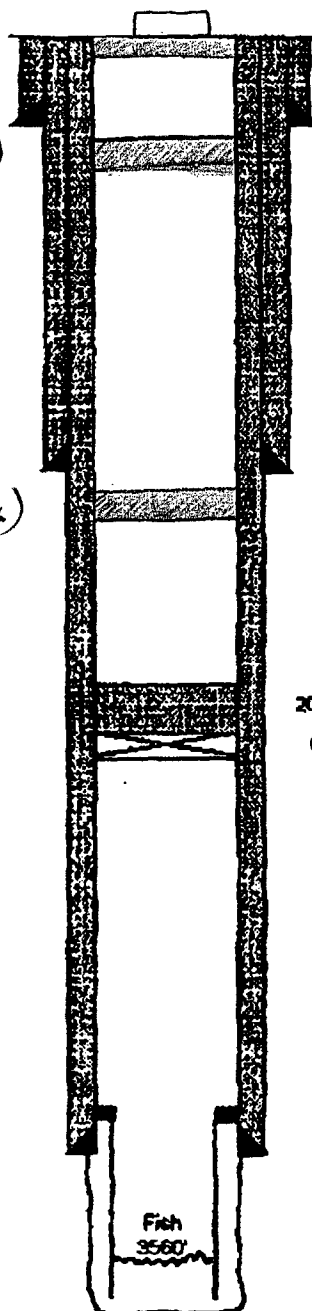
Intermediate  
Casing  
8 5/8" 32# @ 1153'  
Cement w / 500 sx  
Cement to surf

20' cement plug  
CSP @ 2004'

Casing  
7" 22# @ 3389'  
Cmnt w / 300sx

Production Liner  
5 1/2" 14# 3325'-3815'  
NOT CEMENTED

Perforations:  
3520'-24'  
3534'-45'  
3551'-71'  
3600'-10'  
3614'-25'



TD @ 3638'

# CURRENT WELL DATA SHEET

Operator: Apache Corporation

Field: Langlie Mattix

Location: 1980' FSL & 1980' FEL

County: Lea State: New Mexico

Current Status: P&A'd 5/31/00

Current Producing Formation(s): Seven Rivers/Queen/Grayburg

Well Name: Skelly Penrose A Unit #57

Sec: 9-J

Township: 23S

API: 30-025-10678

Lease Type: Fee

Range: 37E

## Surface Csg.

Size: 8 5/8"

Set @: 325'

Sxs cmt: 250

## Production Csg.

Size: 5 1/2"

Set @: 3642'

Sxs Cmt: 325

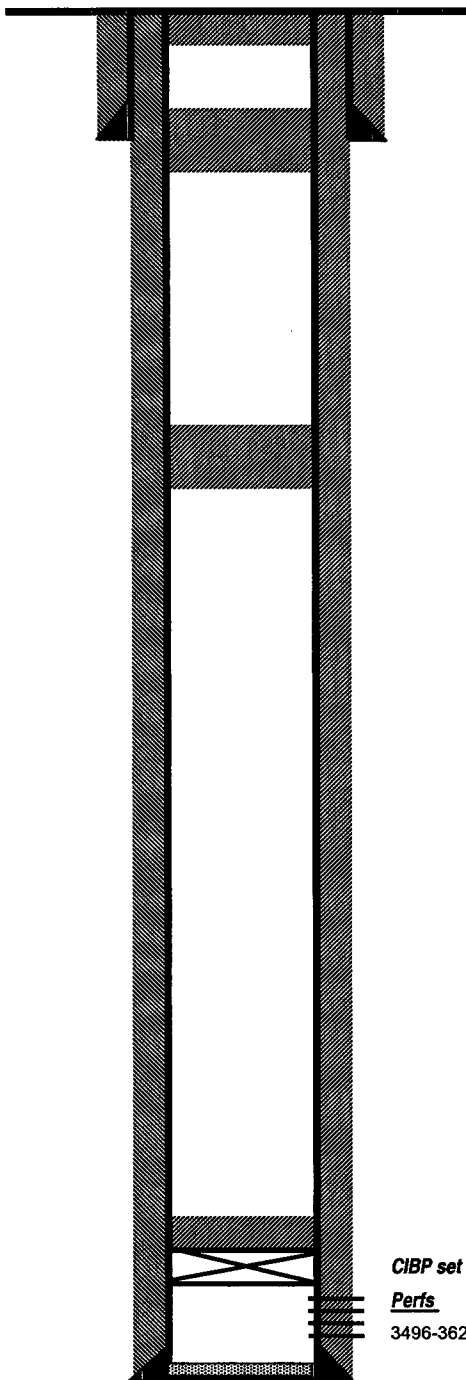
KB: \_\_\_\_\_

DF: \_\_\_\_\_

GL: 3298'

Spud Date: 9/9/1958

Compl. Date: 9/23/1958



TD: 3642'

Prepared by: K M Jackson

Date: 1/15/2004

# CURRENT WELL DATA SHEET

Operator: Oxy USA Inc.  
Field: Langlie Mattix  
Location: 1980' FNL & 760' FWL  
County: Lea State: New Mexico  
Current Status: P&A'd 4/29/93  
Current Producing Formation(s): Seven Rivers/Queen/Grayburg

Well Name: Skelly Penrose B Unit #51  
Sec: 9-E Township: 23S Range: 37E  
API: 30-025-10683

Lease Type: Fee

## Surface Csg.

Size: 8 5/8"  
Set @: 372'  
Sxs cmt: 250

## Production Csg.

Size: 5 1/2"  
Set @: 3620'  
Sxs Cmt: 200

KB: \_\_\_\_\_  
DF: 3319'  
GL: \_\_\_\_\_  
Spud Date: 11/14/1957  
Compl. Date: 11/25/1957

Cmt plug f/2373-2523'

CIBP set @ 3412' w/50' cmt on top

## Perfs

3480-3623'

PBTD: \_\_\_\_\_  
TD: 3630'

repared by: K M Jackson  
Date: 1/15/2004