API NO. 15- 147-20538-00-00
County Phillips

3630 Feet from (circle one) Line of Section
4950 Feet from (circle one) Line of Section

Footage Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name Ray B
Well # 5

Field Name Ray

Producing Formation Reagan

Elevation: Ground 2214 KB 2219

Total Depth 3700 PBD 3618

Amount of Surface Pipe Set and Cemeneted at 380 Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set __________________________ Feet

If Alternate II completion, cement circulated from ________ feet depth to ________ w/ __________ sx cat.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 824 ppm Fluid volume 260 bbls

Dewatering method used by evaporation

Location of fluid disposal if hauled offsite:

Operator Name

Well Name

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
Plug Back PBD

Commingled Docket No.

Dual Completion Docket No.

Other (SUW or inj?) Docket No.

12/8/91 12/14/91 2/5/92

Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission. 200 Colorado
Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well.
Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of
12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12
months). One copy of all workover and geologist well report shall be attached with this form. ALL CEMENTING TICKETS
MUST BE ATTACHED. Submit CP-2 form with all plugged wells. Submit CP-11 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to the best of my knowledge.

Signature VIC TUMLINSON Date 3/23/92

Subscribed and sworn to before me this 23rd day of March 1992.

Notary Public

Date Commission Expires 8/19/95

Form ACO-1 (7-91)
INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken
(Attach Additional Sheets.)
☐ Yes ☐ No

Samples Sent to Geological Survey
☐ Yes ☐ No

Cores Taken
☐ Yes ☐ No

Electric Log Run
(Submit Copy.)
☐ Yes ☐ No

List All E.Logs Run:
Ran Spec. Density Dual Spaced NeutronII;
High resolution Induction Log & Micro Log.

---

**CASING RECORD**

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 5/8&quot;</td>
<td>8 5/8&quot;</td>
<td>24#</td>
<td>380'</td>
<td>Class A</td>
<td>270 sx</td>
<td>3% CC.</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 5/8&quot;</td>
<td>14#</td>
<td>3693'</td>
<td>Howes Light</td>
<td>675</td>
<td>½# sx FTo</td>
</tr>
</tbody>
</table>

---

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top Bottom</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protect Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Back TD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**PERFORATION RECORD - Bridge Plugs Set/Type**

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specifying Footage of Each Interval Perforated</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Reagan 3612'–14'</td>
<td>250 gal of 15% MCA 3621'–23'</td>
</tr>
</tbody>
</table>

---

**TUBING RECORD**

<table>
<thead>
<tr>
<th>Size</th>
<th>Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes ☐ No</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 7/8&quot;</td>
<td>3660'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Producing Method**

☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain) 1/24/92

**Estimated Production**

<table>
<thead>
<tr>
<th>Per 24 Hours</th>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18</td>
<td></td>
<td></td>
<td></td>
<td>330</td>
</tr>
</tbody>
</table>

**Disposition of Gas:**

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION:**

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled 3612'–14' ☐ Other (Specify)

**Production Interval**

3612'–14'
**INVOICE**

**HALIBURTON SERVICES**

**REMIT TO:**
P.O. BOX 951046
DALLAS, TX 75395-1046

**ORIGINAL**

**RAY B-S**

**WELL/LEASE NO./PLANT NAME**

**SERVICE LOCATION**

**CONTRACTOR**

**JOB PURPOSE**

**P H I L L I P S**

**C E R E M E N T  P R O D U C T I O N  C A S I N G**

**ACCT. NO.**

**CUSTOMER AGENT**

**VENDOR NO.**

**CUSTOMER P.O. NUMBER**

**SHIP VIA**

**FILE NO.**

**DIRECT CORRESPONDENCE TO:**

**OXY USA INC.**

**REGIONAL OFFICE**

**ATT: G. I. MCFARLAND**

**PO BOX 26100**

**OKLAHOMA CITY, OK 73126-0100**

**JOBERLIN**

**ACCT. NO.**

**CUSTOMER AGENT**

**VENDOR NO.**

**CUSTOMER P.O. NUMBER**

**SHIP VIA**

**FILE NO.**

**E-26**

**COMPANY TRUCK 27223**

<table>
<thead>
<tr>
<th>PRICE REF. NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>U/M.</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>509-406</td>
<td>SALT</td>
<td>1</td>
<td>SK</td>
<td>26.25</td>
<td>26.25</td>
</tr>
<tr>
<td>504-316</td>
<td>HALLIBURTON LIGHT W/STANDARD</td>
<td>550 SK</td>
<td></td>
<td>6.28</td>
<td>3,454.00</td>
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<tr>
<td>507-277</td>
<td>HALLIBURTON-GEL ADDED 4%</td>
<td>19 SK</td>
<td></td>
<td>14.75</td>
<td>280.25</td>
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<tr>
<td>507-210</td>
<td>FLOCELE</td>
<td>138 LB</td>
<td></td>
<td>1.30</td>
<td>179.40</td>
</tr>
<tr>
<td>509-968</td>
<td>SALT</td>
<td>400 LB</td>
<td></td>
<td>.10</td>
<td>40.00</td>
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<tr>
<td>500-207</td>
<td>BULK SERVICE CHARGE</td>
<td>781 CFT</td>
<td></td>
<td>1.15</td>
<td>898.15</td>
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<tr>
<td>500-306</td>
<td>MILEAGE CMTG MAT DEL OR RETURN</td>
<td>988.79 TMI</td>
<td></td>
<td>.80</td>
<td>791.03</td>
</tr>
</tbody>
</table>

**INVOICE SUBTOTAL**

**DISCOUNT-(BID) 90**

**INVOICE BID AMOUNT**

**KANSAS STATE SALES TAX**

**DECATUR COUNTY SALES TAX**

9-1572498 x 2360.1/24

**RECEIVED**

**KANSAS CORPORATION COMMISSION**

**CONSERVATION DIVISION WICHITA KS**

32 006 APR 20 992

**INVOICE TOTAL - PLEASE PAY THIS AMOUNT**

$7,968.33

**AFFIX JOB TKT**

**FORM 1900-R4**
OXY USA INC.
REGIONAL OFFICE
ATT: G. I. MCFARLAND
PO BOX 26100
OKLAHOMA CITY, OK 73126-0100

DIRECT CORRESPONDENCE TO:
FIRST OKLAHOMA TOWER
210 WEST PARK AVENUE
SUITE 2050
OKLAHOMA CITY, OK 73102-5601

<table>
<thead>
<tr>
<th>PRICE REF. NO.</th>
<th>DESCRIPTION</th>
<th>QUANTITY</th>
<th>UOM</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>500-117</td>
<td>MILEAGE</td>
<td>30</td>
<td>MI</td>
<td>2.60</td>
<td>78.00</td>
</tr>
<tr>
<td>001-016</td>
<td>CEMENTING CASING</td>
<td>3695</td>
<td>FT</td>
<td>1,240.00</td>
<td>1,240.00</td>
</tr>
<tr>
<td>12A</td>
<td>GUIDE SHOE - 5 1/2&quot; 8RD THD.</td>
<td>1</td>
<td>EA</td>
<td>105.00</td>
<td>105.00</td>
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<tr>
<td>825.205</td>
<td>CEMENTING PLUG 5W ALUM TOP</td>
<td>5 1/2</td>
<td>IN</td>
<td>50.00</td>
<td>50.00</td>
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<tr>
<td>27</td>
<td>INSERT FLOAT VALVE - 5 1/2&quot;8RD</td>
<td>1</td>
<td>EA</td>
<td>83.00</td>
<td>83.00</td>
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<tr>
<td>815.19251</td>
<td>FILL-UP UNIT 5 1/2&quot;-6 5/8&quot;</td>
<td>1</td>
<td>EA</td>
<td>30.00</td>
<td>30.00</td>
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<tr>
<td>815.19311</td>
<td>CENTRALIZER 5-1/2&quot; X 7 7/8&quot;</td>
<td>10</td>
<td>EA</td>
<td>44.00</td>
<td>440.00</td>
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<tr>
<td>320</td>
<td>CEMENT BASKET 5 1/2&quot;</td>
<td>3</td>
<td>EA</td>
<td>90.00</td>
<td>270.00</td>
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<tr>
<td>800.8883</td>
<td>ROTO WALL CLEANER 2 1/8&quot; SPIKE</td>
<td>1</td>
<td>EA</td>
<td>22.00</td>
<td>22.00</td>
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<tr>
<td>807.0007</td>
<td>FASGRIP LIMIT CLAMP 5 1/2&quot;</td>
<td>2</td>
<td>EA</td>
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<td>22.60</td>
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<tr>
<td>807.64031</td>
<td>HALLIBURTON WELD-A</td>
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<td>11.50</td>
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<td>890.10802</td>
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<td>SK</td>
<td>6.75</td>
<td>607.50</td>
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<tr>
<td>508-127</td>
<td>CAL SEAL</td>
<td>4</td>
<td>SK</td>
<td>19.70</td>
<td>78.80</td>
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<td>509-968</td>
<td>SALT</td>
<td>390</td>
<td>LB</td>
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<td>39.00</td>
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<tr>
<td>507-775</td>
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<td>23</td>
<td>LB</td>
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<td>507-970</td>
<td>D-AIR 1, POWDER</td>
<td>35</td>
<td>SK</td>
<td>6.75</td>
<td>236.25</td>
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<tr>
<td>504-308</td>
<td>STANDARD CEMENT</td>
<td>4</td>
<td>SK</td>
<td>19.70</td>
<td>78.80</td>
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<tr>
<td>508-127</td>
<td>CAL SEAL</td>
<td>152</td>
<td>LB</td>
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<td>15.20</td>
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<td>509-968</td>
<td>SALT</td>
<td>16</td>
<td>LB</td>
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<td>98.40</td>
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<td>507-775</td>
<td>HALAD-322</td>
<td>9</td>
<td>LB</td>
<td>2.95</td>
<td>26.55</td>
</tr>
</tbody>
</table>

*** CONTINUED ON NEXT PAGE ***
# Halliburton Services Invoice

**Customer Copy**

**Company:** Halliburton Services

**Address:** P.O. Box 951046

**City:** Dallas, TX 75395-1046

**Account No:** 163573

**Date:** 12/08/1991

**Contractor:** Phillips

**Plant Location:** OXY

**Ticket Date:** 12/08/1991

---

**Direct Correspondence To:**

**First Oklahoma Tower**

**Suite 2050**

**Oklahoma City, OK 73102-5601**

---

**Price Ref. No.**

**Description**

**Quantity**

**U/M**

**Unit Price**

**Amount**

<table>
<thead>
<tr>
<th>Price Ref. No.</th>
<th>Description</th>
<th>Quantity</th>
<th>U/M</th>
<th>Unit Price</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>070 117</td>
<td>Mileage</td>
<td>50</td>
<td>MI</td>
<td>2.60</td>
<td>130.00</td>
</tr>
<tr>
<td>071 106</td>
<td>Cementing Casing</td>
<td>383</td>
<td>FT</td>
<td>5.15</td>
<td>515.00</td>
</tr>
<tr>
<td>071 107</td>
<td>Centralizer 8 5/8&quot; X 12.25&quot;</td>
<td>1</td>
<td>UNT</td>
<td>62.00</td>
<td>62.00</td>
</tr>
<tr>
<td>073 109</td>
<td>Halliburton Welds</td>
<td>1</td>
<td>LB</td>
<td>11.50</td>
<td>11.50</td>
</tr>
<tr>
<td>070 08</td>
<td>CMTG Plug LA 1.5 C. 1,CP 3, TOP</td>
<td>8 5/8</td>
<td>IN</td>
<td>90.00</td>
<td>90.00</td>
</tr>
<tr>
<td>070 02</td>
<td>308 Standard Cement</td>
<td>270</td>
<td>SK</td>
<td>6.75</td>
<td>1,822.50</td>
</tr>
<tr>
<td>070 05</td>
<td>Anhydrous Calcium Chloride</td>
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<td>SK</td>
<td>26.25</td>
<td>210.00</td>
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<tr>
<td>070 06</td>
<td>Flozele</td>
<td>68</td>
<td>LB</td>
<td>1.30</td>
<td>88.40</td>
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<tr>
<td>070 07</td>
<td>Bulk Service Charge</td>
<td>291</td>
<td>CFT</td>
<td>1.15</td>
<td>334.65</td>
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<tr>
<td>070 08</td>
<td>Mileage CMTG 1.5 C. 1,CP 3, TOP</td>
<td>533.70</td>
<td>TMI</td>
<td>.80</td>
<td>426.96</td>
</tr>
</tbody>
</table>

**Invoice Total:**

**State Sales Tax:**

**County Sales Tax:**

**Received:**

KANSAS CORPORATION COMMISSION

**Apr 20 1992**

**Conservation Division**

**Wichita, KS**

---

**Terms:** Invoices payable net by the 20th of the following month after date of invoice. Upon customer's default in payment of customer's account by the last day of the month following the month in which the invoice is dated, customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.

---

**Form 1900-R4**
March 23, 1992

Kansas State Corporation Commission
Conservation Division
200 Colorado Derby Building
Wichita, Kansas  67202

RE:  Well Completion Report
     Ray B #5
     NW/4  Sec. 32-5S-20W
     Phillips County, Kansas

Gentlemen:

The following items are being submitted for the referenced well which has been recently completed:

1. Form ACO-1, Well Completion;
2. A set of electric logs;
3. Cement tickets.

Please advise if additional information is required.

Sincerely yours,

Raymond Hui
Mid-Continent Region

Attachments

RECEIVED
KANSAS CORPORATION COMMISSION
MAR 15 1993
CONSERVATION DIVISION
WICHITA, KS
API No. 15-147-70538
County Phillips

CNW SW NW Sec. 32 Twp. 5S Rng. 20 W

E 3630 Feet from SW NW (circle one) Line of Section
4950 Feet from SW NW (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW, or SW (circle one)

Ray B Well # 5

Field Name Ray

Producing Formation Reagan

Elevation: Ground 2214 KB 2219

Total Depth 3700 PBDT 3618

Amount of Surface Pipe Set and Cemented at 380 Feet
Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set __________ Feet
If Alternate II completion, cement circulated from __________ w/ _________ x cat.

If Workover/Re-Entry; old well info as follows:

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content 824 ppm Fluid volume 260 bbls

Dewatering method used by evaporation

Location of fluid disposal if hauled offsite:

RECEIVED KANSAS CORPORATION COMMISSION

Operator Name

Lease Name MAR 15 1993 License No.

Quarter Sec. Twp. 15 Rng. 1993 E/W

CONSERVATION DIVISION

WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado
Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recombination, workover or conversion of a well.
Rule 82-3-130, 82-3-146 and 82-3-107 apply. Information on side two of this form will be held confidential for a period of
12 months if requested in writing and submitted with the form. (See rule 82-3-107 for confidentiality in excess of 12
months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS
MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-11 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied
with and the statements herein are complete and correct to the best of my knowledge.

Signature VICT TUMLINSON
Title DRILLING OPERATIONS MANAGER Date 3/23/92

Subscribed and sworn to before me this 23rd Day of March 92.
Notary Public KELLY D. ANDREWS
Date Commission Expires 8/19/95

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution KCC SVD/Rep SGA
KSB Plug Other
(Specify)
Drill Stem Tests Taken
(Attach Additional Sheets.)

Samples Sent to Geological Survey

Cores Taken

Electric Log Run
(Submit Copy.)

List All Logs Run:

Ran Spec. Density Dual Spaced NeutronII;
High resolution Induction Log & Micro Log.

CASING RECORD

Report all strings set-conductor, surface, intermediate, production, etc.

<table>
<thead>
<tr>
<th>Purpose of String</th>
<th>Size Hole Drilled</th>
<th>Size Casing Set (In O.D.)</th>
<th>Weight Lbs./Ft.</th>
<th>Setting Depth</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12 1/2&quot;</td>
<td>8 5/8&quot;</td>
<td>24#</td>
<td>380'</td>
<td>Class A</td>
<td>270 sz</td>
<td>3% CC</td>
</tr>
<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14#</td>
<td>3693'</td>
<td>Howes Light</td>
<td>675</td>
<td>½# sz FTo</td>
</tr>
</tbody>
</table>

ADDITIONAL CEMENTING/SQUEEZE RECORD

<table>
<thead>
<tr>
<th>Purpose:</th>
<th>Depth Top Bottom</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Protect Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Back TD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Plug Off Zone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATION RECORD - Bridge Plugs Set/Type

Shots Per Foot

Set CIBP @ 3618'
4 Reagan 3612'–14'

Acid, Fracture, Shot, Cement Squeeze Record

Amount and Kind of Material Used: 250 gal of 15% MCA 3621'–23'
Depth

TUBING RECORD

Size: 2 7/8"
Set At: 3600'
Packer At: 3660'
Liner Run: Yes / No

Date of First, Resumed Production, SUD or Inj. 1/24/92
Producing Method: Flowing / Pumping / Gas Lift / Other (Explain)

Estimated Production Per 24 Hours:

Oil: 18 Bbls.
Gas: Hcf
Water: Bbls.
Gas-Oil Ratio: 330
Gravity

Disposition of Gas:

Vented / Sold / Used on Lease (If vented, submit ACD-18.)

METHOD OF COMPLETION:

Open Hole / Perf. / Dually Comp. / Commingled

Production Interval 3612'–14'