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, hy draconic 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 Resolution Induction Log; Spectral Density Dual Spaced Neutron II Log; Microlog.

---

**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 1/4&quot;</td>
<td>8 5/8&quot;</td>
<td>24#</td>
<td>390'</td>
<td>Cl. A</td>
<td>270</td>
<td>3% cc</td>
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<tr>
<td>Production</td>
<td>7 7/8&quot;</td>
<td>5 1/2&quot;</td>
<td>14#</td>
<td>3642'</td>
<td>Cl. A</td>
<td>575</td>
<td>4% gel</td>
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**ADDITIONAL CEMENTING/SQUEEZE RECORD**

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<tr>
<th>Purpose:</th>
<th>Depth Top Bottom</th>
<th>Type of Cement</th>
<th># Sacks Used</th>
<th>Type and Percent Additives</th>
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<tr>
<td>Perforate</td>
<td></td>
<td>CIBP</td>
<td>at 3595'</td>
<td></td>
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<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 &quot;OFF&quot; Zone</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

**PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated**

<table>
<thead>
<tr>
<th>Shots Per Foot</th>
<th>Specified Depth</th>
<th>Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)</th>
<th>Depth</th>
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<tbody>
<tr>
<td>4</td>
<td>Reagan 3576 - 3577'</td>
<td>Spotted 200 gal 15%</td>
<td>3576-3577'</td>
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<tr>
<td></td>
<td>3577 - 3578'</td>
<td>MCA</td>
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**TUBING RECORD**

<table>
<thead>
<tr>
<th>Size Set At</th>
<th>Packer At</th>
<th>Liner Run</th>
<th>Yes ☐ No</th>
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<tr>
<td>2 7/8&quot;</td>
<td>3576</td>
<td></td>
<td></td>
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</table>

**Date of First, Resumed Production, SWD or Inj.**: 9-30-92

**Producing Method**: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)

**Estimated Production Per 24 Hours**

<table>
<thead>
<tr>
<th>Oil Bbls.</th>
<th>Gas Mcf</th>
<th>Water Bbls.</th>
<th>Gas-Oil Ratio</th>
<th>Gravity</th>
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<tbody>
<tr>
<td>75</td>
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<td>Trace</td>
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</table>

**Disposition of Gas**: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

<table>
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<tr>
<th>Production Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>3576-3578'</td>
</tr>
</tbody>
</table>

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
OXY USA INC.

DRILLING REPORTING SYSTEM

WELL CHRONOLOGICAL

FOR

OXY USA INC., JOHNSON "E" 616, PHILLIPS, KS
INITIAL REPORT REMARKS:
WELL ID: 1304342    COMPANY CODE: 327    COMPANY OPERATED (C OR N): C
REPORT CODE: A    DISTRICT: 1300 OKLA CITY
CWI: 100.0000000    PROD FOREMAN: 1332
CNI: 87.8000000    DCI:
STATE: KS    CNTY: USA    CNTY: PHILLIPS
PROVINCE:    LSE-BLK-CNT:
LOC: 2310' FSL = 330' FWL
S: 32 T: 5 R: 20 W    LAT:    LONG:
BOTTOM HOLE LOCATION:
PLATFORM:    X-COORD:
FIELD: RAY    PROSPECT:
PROP. TD: 3,676    PROP. TVD:
TYPE: W104 / WI DEVEL - AFE WI / PRD W/POT
EXPL. CODE:    PLAY CODE:
ELEV. GL: 2,168    ELEV. RKB:
CONTRACTOR: ABERCROMBIE RTD
DATE ROH: 08/27/92    DATE ROIL: 08/27/92
SPUD: DATE: 08/27/92    TIME: 18:00
OBJECTIVES:
1. REAGAN SAND
2. 3. 4. 5. 6. 7. 8.

AFE NUMBER    DRY HOLE COST
91572721 47,680

AFE 100 % AFE 100 %
BUDGET APPROX NUMBER AND DESCRIPTION
OFFSET WELLS
920200

PROD. LEASE NO. 71547150
UNDEVELOPED LEASE NO.
OXY USA INC., JOHNSON "B" #16
PHILLIPS, KS WSN: 1304542

8/28/92 PR OPNB: WOC
MD 352; DRLD(MD) 392; MTD 392; DSS 1; DOL 1; *** FIRST REPORT ***
Casing 8.625; @ 390; Dev MD 392; Angle 0.13
ACTIVITY SUMMARY:
*** APE TO DAE DEVELOPMENT WELL ***
HIRU ABENCORBBIE DRILLING INC. RIG 4; BPU1.2-1/2" HOLE AT
4:00 PM, 8/27/92. DRILLED TO 392. Circ 20 Min. From W/Drill pipe. RIM W/ 9 JT8. [92] 30 Min. DSS OCS (TALLY 385"
Centralizers on 1. 3. and 5th JT 8. Circ 30 Min. M4HWG
and Pump @ 270 B/P. Standard W/ 33 CC and 1/4 Gk Flocele
CMT Circ (6 BRL). Plug Down at 12:00 AM. 8/28/92.
CMIC J. Nowell; Daily Cost $ 9,396; Cum Cost $ 9,396

8/29/92 PR OPNB: DRLG AHEAD
MD 2,135; TVD 2,135; DRLD(MD) 1,743; MTD 2,135; DSS 2; DOL 2;
PM 9.3; FY 28; PH 7; Chl 900; SLD X 7; Casing 8.625; @ 390; Dev MD 970; Angle 0.25; Dev MD 1,500; Angle 0.13; Dev MD 2,140;
Angle 0.13
ACTIVITY SUMMARY:
Elevation is 2170' (Built Location 2' Higher). Drilled Out
From Under Surface at 8:00 AM. 8/28/92. DRLG AHEAD at 2135'
At Report Time
CMIC J. Nowell; Daily Cost $ 10,222; Cum Cost $ 19,419

8/30/92 PR OPNB: DRLG AHEAD
MD 2,920; TVD 2,920; DRLD(MD) 265; MTD 2,920; DSS 3; DOL 3;
PM 9.2; FY 32; PH 10; §§ 12.0; Chl 900; SLD X 6.3;
Casing 8.625; @ 390; Dev MD 2,140; Angle 0.13; Dev MD 2,645;
Angle 0.13
ACTIVITY SUMMARY:
Made Bit Trip at 2140', Pipe Strap 1.72' Short To Board.
Mixed Mud at 2800', GEO on location. DRLG Ahead at 2920'
CMIC J. Nowell; Daily Cost $ 5,675; Cum Cost $ 20,092

8/31/92 PR OPNB: DRLG AHEAD
FORM: KGC
MD 3,409; TVD 3,409; DRLD(MD) 489; MTD 3,409; DSS 4; DOL 4;
PM 9.6; FY 42; PH 11; §§ 12.0; Chl 1200; SLD X 9.2;
Casing 8.625; @ 390; Dev MD 3,140; Angle 0.75
ACTIVITY SUMMARY:
DRLG Ahead at 3402'
EST TOPS: TOPEKA 3137' (-962)
OREAD 2344' (-1069)
HEERNER 3284' (-1109)
TORNADO 3315' (-1140)
LANSDING 3359' (-1184)
CIRC FOR SAMPLED AT 3250' (OREAD) AND 3320' (TORONTO)
CMIC J. Nowell; Daily Cost $ 4,398; Cum Cost $ 29,491

9/1/92 PR OPNB: PREP'T TO MAKE A BIT TRIP
MD 3,620; TVD 3,620; DRLD(MD) 219; MTD 3,620; DSS 5; DOL 5;
PM 9.6; FY 51; LCM 0.5; PH 10; §§ 8.8; Chl 1200;
SLD X 9.2; Casing 8.625; @ 390
ACTIVITY SUMMARY:
EST TOPS: BARAL PENN 3525' (-350), GRANITE WASH 3596
(-1421), REAGAN 3571' (-1396), Drilled to 3580'. Short
Tripped and Circ 1 HR. Drilled to 3581'. Circ 1 HR. From W/
Drill pipe. Run 6 B/D Toste TO 3580'-74'. Test 20 Min. in 60
Min. 30 Min. 60 Min. 1st Opening 1/2" Blow Decreasing To
Surface Blow. 2nd Opening. No Blow (flushed Tool-Still No
Blow). Prep't To Daily Rate

DECEMBER 11, 1992
CHRONOLOGICAL WEL Report
PAGE: 1
GMPH

DECEMBER 11, 1992
CHRONOLOGICAL WEL Report
PAGE: 1
GMPH
9/2/92
PR OPHS: WAITING ON COMPLETION.
MD 3,600'; TVD 3,649'; DRLD(MD) 22'; MD 3,650'; DSS 6'; DOL 6'.
*** DROP FROM REPORT PENDING COMPLETION ***
CASING 5-5/8'; 2 3/8's; DEV MD 3,650'; ANGLE 1'.
ACTIVITY SUMMARY:
DRILLED TO 3628', MADE BIT TRIP. RTH W/ DRL PIPE, DRILLED TO 3250'.  DRLD 19'; TOTAL 2042'.
RIH W/ DRL STRING, RIGGED UP HLS.
RIH W/ HIGH RESOLUTION INDUCTION LOG, SPECTRAL DENSITY DUAL SPACED NEUTRON II LOG, AND MICROLOG. POOH W/ TOOLS.
RIH W/ DRL PIPE, CIRC 1 HR. POOH LAYING DOWN DRL PIPE.
RIH W/ GUIDE SHOE, 21' SHOE, JT, AND 85' JTS 1-1/2' CSG (30 JTS FROM CLAYVILLE STOCK AND 25 JTS NEW-ALL CSG 140, N-95, "W" GRADE CSG - TOTAL TALLY 5466'). W/ THE 4TH JTS BAND BLOWED (TALLY 661'). CMU BASKETS ON 4, 13, AND 48TH JT9 AND CENTRALIZERS ON 4, 3, 9, 7, 9, 18, 18, 47, AND 48TH JT9.
JT6 LANCED CSG 6' OFF BOTTOM. CIRC AND ROTATED CSG 2 HR.
STARTED MUD SHEEP W/ 40 BELLS SALT WTR W/ 1 BK DESCID IN 1ST 20 BELLS. RENSED 450 SX NOSED "LIGHT" W/ 4X ADDED GEL AND 1/46/BK FLOCCILE MIXED @ 11.7(8/CALS, 90-5X STANDARD EA - 2 W/ 5X CAL-BEAL, 10X SALT, .5X NAHAL-322, AND .5/SX/BK.
OXY USA INC., JOHNSON "B" #16
PHILLIPS, KB; WEN: 1304542

D-AIR-1 MIXED AT 15.54% GAL. AND 95 SX STANDARD W/ 10X CAL B.
CC. 10X BALT. 5X HALAD-322, 2525/SX D-AIR-1, AND 1.5X
CC. ROTATED CSS UNTIL LAST 75 BBLs OF DISPLACEMENT. SLOW
RATE FROM 8 RPM TO 3 RPM ON LAST 6 BBLs. PRESS'D CSS TO
1500 PSI - HELD. RELEASED PRESS - INSERT HELD. CIRC 2 BBLs
CSS. PLUG DOWN 4:15 AM. 9/2/92. RELEASE RIG 5:00 AM.

CHIC J. NOWELL; DAILY COST $ 39,214; CUM COST $ 73,719;

9/17/92 PR OPNS: GETTING STATIC BUILD UP;
FORM: GRANITE WASH 35990-77;
BBLD 3,615; MTD 3,650; PERFS(MD) 3,598; -3,599; DSS 21; DOL 21;
Casing 5.5 @ 2,362;

*** ACTIVITY SUMMARY ***

** COMPLETION OPERATIONS **
MURPHIN DRILLING RIG #41R. RU HLS. RXH W/ BOND TOOL,
LOGGED FROM BMTD TO 3100'. RXH W/ CSS SWAB AND SHARRED DOWN
TO 3650'. RXH W/ PERF GUN TO 35990-77 AND PERF'D 1.4 JSFP.
SHARRED TO 290O' PLUGGED AND SHARRED DOWN 50 MINS. RXH
W/ SWAB AND TAGGED FLUID AT 3000' FROM SURFACE. SWAB DOWN,
OIL 8% TO 12% DEGREES. RXH 18 AT 72 DEGREES. 1ST HR.
29 BBLs TF, 5X OIL (GRIND OUT). LEVEL AT 3600'. 2ND HR: 30
BBLs TF, 5X OIL (GRIND OUT). LEVEL AT 3600'. 3RD HR: 27
BBLs TF, 5X OIL (GRIND OUT). LEVEL AT 3600'. 4TH HR:
BBLs TF, 5X OIL (GRIND OUT). LEVEL AT 3600'. BDON.
CHIC J. NOWELL; DAILY COST $ 4,269; CUM COST $ 78,016;

9/19/92 PR OPNS: SWAB TESTING;
FORM: REAGAN 35768-77;
BBLD 3,695; MTD 3,650; PERFS(MD) 3,598; -3,599; DSS 22; DOL 22;
Casing 5.5 @ 2,362;

*** ACTIVITY SUMMARY ***
RXH W/ CSS SWAB. FILLUP WAS AT 1700' FROM SURFACE W/ 75' OF
FREE OIL. SWAB DOWN WAS 84 BBLs. 1ST HR: 35 BBLs TF, 10X
OIL, 3500' TO FLUID. 2ND HR: 30 BBLs TF, 5X OIL, 3500' TO
FLUID. RU MERCURY UL. SET 0-1/2" CIPB AT 35990. SWABBED
FLUID DOWN TO 2500'. PERF'D AT 35768-77 W/ 4 JSFP. WAITED
10 MIN AND FLUID WAS AT 3200'. RXH W/ CSS SWAB. HIT FLUID
AT 2800'. SWAB DOWN WAS 16 BBLs TF. 1ST HR: 47 BBLs TF,
20X OIL. 2000' TO FLUID. 2ND HR: 47 BBLs TF. 17X OIL. 2700'
TO FLUID. 3RD HR: 46 BBLs TF. 20X OIL. 2600' TO FLUID.
BDON.
CHIC J. NOWELL; DAILY COST $ 2,902; CUM COST $ 90,920;

9/22/92 PR OPNS: POOH W/ TBC AND DRILL CMT;
FORM: REAGAN 35768-77;
BBLD 3,695; MTD 3,350; PERFS(MD) 3,576; -3,577; DSS 23; DOL 23;
Casing 5.5 @ 2,362;

*** ACTIVITY SUMMARY ***
RXH W/ CSS SWAB. TAGGED FLUID AT 1800' W/ 250' FREE OIL
SWABBED TO 2500' (38 BBLs). 1ST HR: 38 BBLs TF, 20X OIL,
2500' TO FLUID. LAID CSS SWAB DOWN AND RXH W/ RTTS AND TBC
TO 35768-77. LOADED HOLE W/ LEASE WTR. SPOTTED 300 GAL 12X
MCA. PULLED PKR TO 35768. SET PKR. PRESS'D TO 2000' - SLOW
BLEED OFF. WORKED UP TONGS TO 7000. ZONE STARTED TAKING ACID
AT 1/2 BPM AT 700 PSI. INCREASED RATE TO 1/2 BPM AT 4000.
DISPLACED ACID - IBIP: VACUUM. PULLED PKR TO 2000. MIX 30
SX MICRO - MATRIX W/ 1X HALAD-322 AND 1/4X D-AIR-1. PUMPED
CMT. PRESS'D UP TO 800 PSI W/ 2 BBLs CMT AT PERFS.
DISPLACED 1/2 BBL OVER TBC VOLUME - PRESS AT 12000. SHUT IN

CHIC J. NOWELL; DAILY COST $ 73,719; CUM COST $ 73,719;
# Halliburton Services

**Confidential**

**Ticket No. 222520-1**

**Form 1906 R-11**

**Well No. — Farm or Lease Name:**

Johnson Co., IL

**Owner:**

Oxy USA, Inc.

**Contractor:**

McFarland

**Address:**

P.O. Box 12600

**City, State, Zip:**

Oklahoma City, OK 73126-2600

**Well Type:**

Oil-Development

**Well Category:**

Oil-Development

**Well Permit No.:**

B-8416128

**Delivered To:**

S. W. MOORE, KS

**Order No.:**

E-26

**Location:**

Cheyenne, KS 73126

**Code:**

2011

**City:**

Oklahoma City, OK 73126

**State:**

KS

**Date:**

4-18-92

**Ticket Type (Check One):**

SALES

**NITROGEN JOB:**

NO

---

### Price List

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<tr>
<th>Reference</th>
<th>Secondary Ref.</th>
<th>Part No.</th>
<th>Loc.</th>
<th>Account</th>
<th>Description</th>
<th>Units 1</th>
<th>Units 2</th>
<th>Unit Price</th>
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<td>24A</td>
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<td>Insert Float Valve</td>
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<td>Cement Basket</td>
<td>3.0</td>
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---

**As of 10:13 CONFIDENTIAL**

**Released:**

November 8, 1993

FROM CONFIDENTIAL

---

**Halliburton Operator:**

Terry O. Harrison

---

**Halliburton Approval:**

Terry O. Harrison

---

**Sub Total:**

904199

**Applicable Taxes Will Be Added On Invoice.**
<table>
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<tr>
<th>PRICE REFERENCE</th>
<th>SECONDARY REF. OR PART NO.</th>
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<th>DESCRIPTION</th>
<th>UNITS 1</th>
<th>UNITS 2</th>
<th>UNIT PRICE</th>
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<td>1B</td>
<td>Halliburton Light Cmt</td>
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<td>6.56</td>
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<td>Halo Cel 49% Add</td>
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<td>507-210</td>
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<td>Flocone</td>
<td>113 lbs</td>
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<td>1B</td>
<td>SALT Granulated</td>
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<td>SALT Granulated on Side</td>
<td>400 lbs</td>
<td></td>
<td>10</td>
<td>4000</td>
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OCT 13

CONFIDENTIAL

RELEASED

NOV 1 8 1993

FROM CONFIDENTIAL

<table>
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<th>SERVICE CHARGE ON MATERIALS RETURNED</th>
<th>CU FEET</th>
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No. B 946438  

CARRY FORWARD TO INVOICE  SUB-TOTAL  6699.89
TO: HALLIBURTON SERVICES
YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: OXY USA Inc.

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. B-16 LEASE Johnson SEC. 32 TWP. S R RANGE 10W

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME TYPE
FROM TO
CASING
LINER

FORMAION THICKNESS
FROM TO

PACKER: TYPE

RELEASED

NOV 1 1993

FIELD

COUNTY

PHILLIPS

STATE

KS

OWNED BY OXY USA Inc

TOTAL BORE HOLE
MUD WEIGHT
OPEN HOLE

PERFORATIONS

INITIAL PROD:

PRESENT PROD:

Bore hole perforations

PERFORATIONS

FROM CONFIDENTIAL

PREVIOUS TREATMENT TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING | ANNULUS | CASING | TUBING/ANNULUS | HYDRAULIC HORSEPOWER ORDERED

Cement 5 1/2" prod rgs 40 lb Shell Flash 403 8 1/2

Cement

PERFORATIONS

PERFORATIONS

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

As consideration, the above-named Customer agrees:

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are 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 not to exceed 18% per annum. In the event it becomes necessary to employ attorneys 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.

b) To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for: 1) Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners. 2) Reservoir formation, or well loss or damage, subsurface trespass or any action in the nature thereof. 3) Person injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and c) shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liabilities are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.

d) That Halliburton warrants only the products, supplies and materials and that the same are free from defect in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any course of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any product, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

e) That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to this foregoing, be fully responsible for loss or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer or the landing until returned to the loading, unless such loss or damage is caused by the sole negligence of Halliburton.

f) To waive the provisions of the Decency Promotion Act - Consumer Protection Act, to the extent permitted by law.

g) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

h) That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made by a duly authorized representative of Halliburton.
JOB SUMMARY

Oklahoma City

HALLIBURTON SERVICES

JOB LOCATION: Oberlin, KS

WELL DATA

SECTION: 22 TWP 55 S

COUNTY: Phillips

STATE: KS

FORMATION NAME: TYPE

FORMATION THICKNESS: FROM TO

INITIAL PROD. OIL: BPD WATER: BPD GAS: MCFD

PRESENT PROD. OIL: BPD WATER: BPD GAS: MCFD

COMPLETION DATE: MUD TYPE: MUD WT

Packer Type: SET AT

BOTTOM HOLE TEMPERATURE: PRESSURE

MISC. DATA: TOTAL DEPTH

NEW CORE

WEIGHT

SIZE

FROM TO

MAXIMUM PSI

ALLOWABLE

CASING LINER TUBING OPEN HOLE

PERFORATIONS

SHOTS/FT.

PERFORATIONS

PERFORATIONS

5/2/92

5/2/92

9/1/92

9/1/92

6/13/92

6/13/92

4/4/95

4/4/95

4/20/95

4/20/95

11/8/93

NAME

UNIT NO. & TYPE

LOCATION

S. Dohm

405K-TM

Oberlin, KS

S. Alstrom

AT-400

K. Leary

4718-16

J. Keres

5848-16

RECRUDED

5/2/92

5/2/92

9/1/92

9/1/92

6/13/92

6/13/92

4/4/95

4/4/95

4/20/95

4/20/95

11/8/93

CONFIDENTIAL

DEPARTMENT

Cement & Prod. Cngy

DESCRIPTION OF JOB

Cement Slm & Prod. Cngy

JOB DONE THRU

TUBING

CASING

ANNULUS

TBG/ANN.

CUSTOMER REPRESENTATION

J. Alstrom

J. Keres

4/13/92

11/8/93

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Cement Data

STAGE

NUMBER OF SACKS

CEMENT

BRAND

BULK SACKED

ADDITIVES

YIELD

1

450

HLC

Std Per A

40% Adm, Gel, 1/4 lb Flo-cel

Cuft/sk.

11.7

1

40

EA-2

Stad B

S8-Gel, Std, H1/8-Air, SS-H322

1.35

15.5

0.5

Std A

SS-Gel, Std, H1/8-Air, SS-H322-1/8

1.35

15.5

PRESSURES IN PSI

SUMMARY

PRESSURE TYPE

40

VOLUMES GC

CIRCULATING

DISPLACEMENT

LOAD & BLOW-BAL/BLK

BAD: BLK/BLK

TREATMENT:

88

SHUT-IN INSTANT

8-MIN

HYDRAULIC HORSEPOWER

AVAIL. USE

TOTAL VOLUME

REMARKS

See Job log and Chart

ThankYou!

Scott, Jerry, Kent, John

JAN 1993

FORM 2025-R2
<table>
<thead>
<tr>
<th>CHART NO.</th>
<th>TIME</th>
<th>RATE (BPM)</th>
<th>VOLUME (GAL)</th>
<th>PUMPS</th>
<th>PRESSURE (PSI)</th>
<th>DESCRIPTION OF OPERATION AND MATERIALS</th>
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<tbody>
<tr>
<td>911</td>
<td>2045</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>On hoc, Rig Crew finished having</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>down drill pipe- Rig up to run 3 1/2</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Start Casing in hole, Rig Guide Shoe</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Insert Auto Fill in 1st collar</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Centralizers on collars 1, 3, 5, 7, 9, 11, 13</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>15, 17, 48 Cement Bst. 1's on</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>bottom at 34's 5, 14, 47</td>
</tr>
<tr>
<td>912</td>
<td>0023</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Drop Ball 1, 1/2 it's all bottom</td>
</tr>
<tr>
<td></td>
<td>0033</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Casing on bottom- Rig up Rotating</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Head-Plug-Container to Mud Pump</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>850 Break Circ- Ball Thru- Circular</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>800 Rotate Casing</td>
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<tr>
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<td></td>
<td></td>
<td></td>
<td>Fin Circ - Hook up to pump Truck</td>
</tr>
<tr>
<td>0201</td>
<td>0312</td>
<td>6 1/2</td>
<td></td>
<td></td>
<td></td>
<td>900 Start 40 Bbl Salt Flush- Rotate Casing</td>
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<tr>
<td></td>
<td>0220</td>
<td>6+ 60 Salt Flush</td>
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<td></td>
<td>Finish Flush- Start 450 lbs H.C. 90</td>
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<tr>
<td></td>
<td>0357</td>
<td>12 1/2 Cft</td>
<td></td>
<td></td>
<td></td>
<td>800 Fin Cmt- Shut Down- Rotate Casing</td>
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<tr>
<td></td>
<td>0358+</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td>Close Manifold- Wash up Pump lines</td>
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<td></td>
<td>0400</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Release Plug- Est. Displ.-Rotating Casing</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Press &amp; Rate</td>
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<tr>
<td>0415</td>
<td></td>
<td>85 Cft 1/2</td>
<td></td>
<td></td>
<td></td>
<td>900 &quot; &quot; &quot; - Finish Rotating Casing</td>
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<tr>
<td>0430</td>
<td></td>
<td>80 Cft 1/2</td>
<td></td>
<td></td>
<td></td>
<td>1500 Plug Down</td>
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<tr>
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<td></td>
<td></td>
<td>Release Press- Insert Holding</td>
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<td></td>
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<td></td>
<td>2 Bbl Cmt Circ</td>
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<td></td>
<td></td>
<td>Job Complete</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>That Yes, Signed John</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Scott Jeff /1</td>
</tr>
</tbody>
</table>

**RELEASED**

**NOV 18 1993**

FROM CONFIDENTIAL

**OCT 13**

CONFIDENTIAL

**JAN 19 1993**

WICHITA, KANSAS