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KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999

CONFIDENTIAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form Must Be Typed

ORIGINAL

Operator: License # 5447
Name: OXY USA Inc.
Address: P.O. Box 2528
City/State/Zip: Liberal, KS 67905
Purchaser: Pending
Operator Contact Person: Vicki Carder
Phone: (620) 629-4200
Contractor: Name: Cheyenne Drilling, LP
License: 33375
Wellsite Geologist: NA

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl, Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. To Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____
04/16/05 04/19/05 05/20/05
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 129-21751-0000
County: Morton
SE - SE - NW - NW Sec 15 Twp. 33 S. R. 43W
1250 feet from S (circle one) Line of Section
1250 feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE SW
Lease Name: Fowler A Well #: 1
Field Name: Greenwood
Producing Formation: Topeka
Elevation: Ground: 3602 Kelly Bushing: 3607
Total Depth: 3750 Plug Back Total Depth: 3630
Amount of Surface Pipe Set and Cemented at 1340 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt.

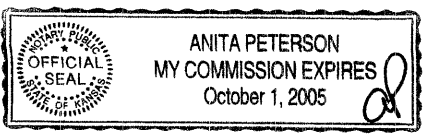
Drilling Fluid Management Plan ALT I w/ Hu
(Data must be collected from the Reserve Pit) 4-23-07
Chloride content 7000 ppm Fluid volume 950 bbls
Dewatering method used Evaporation
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp, _____ S. R. East West
County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 6702, 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 of 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-111 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: Vicki Carder
Title: Capital Project Date August 8, 2005
Subscribed and sworn to before me this 8th day of Aug
20 05
Notary Public: Anita Peterson
Date Commission Expires: Oct. 1, 2005

KCC Office Use Only
 Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution



Side Two

Operator Name: OXY USA Inc. Lease Name: Fowler A Well #: 1
 Sec. 15 Twp. 33 S. R. 43W East West County: Morton

Instructions: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

| | | | | | | | | | | | | | | | | | | | | | | |
|--|---|-------|-----|-------|-------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Sonic Neutron Induction Microlog CBL | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>A1 LM</td> <td>2317</td> <td>1290</td> </tr> <tr> <td>B5 LM</td> <td>2445</td> <td>1162</td> </tr> <tr> <td>C SH</td> <td>2452</td> <td>1155</td> </tr> <tr> <td>C LM</td> <td>2484</td> <td>1123</td> </tr> <tr> <td>D LM</td> <td>2534</td> <td>1073</td> </tr> <tr> <td>E LM</td> <td>2571</td> <td>1036</td> </tr> </table> (See Side Three) | Name | Top | Datum | A1 LM | 2317 | 1290 | B5 LM | 2445 | 1162 | C SH | 2452 | 1155 | C LM | 2484 | 1123 | D LM | 2534 | 1073 | E LM | 2571 | 1036 |
| Name | Top | Datum | | | | | | | | | | | | | | | | | | | | |
| A1 LM | 2317 | 1290 | | | | | | | | | | | | | | | | | | | | |
| B5 LM | 2445 | 1162 | | | | | | | | | | | | | | | | | | | | |
| C SH | 2452 | 1155 | | | | | | | | | | | | | | | | | | | | |
| C LM | 2484 | 1123 | | | | | | | | | | | | | | | | | | | | |
| D LM | 2534 | 1073 | | | | | | | | | | | | | | | | | | | | |
| E LM | 2571 | 1036 | | | | | | | | | | | | | | | | | | | | |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used | | | | | | | |
|---|-------------------|---------------------------|-----------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. | | | | | | | |
| Purpose of String | Size Hole Drilled | Size Casing Set(in. O.D.) | Weight Lbs./ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| Conductor | | | | | C | | |
| Surface | 12 1/4 | 8 5/8 | 24 | 1340 | C | 405 | 35/65 poz + additive |
| | | | | | C | 195 | Class C + Additives |
| Production | 7 7/8 | 4 1/2 | 10.5 | 3750 | H | 240 | 50/50 pozmix + Additives |

ADDITIONAL CEMENTING / SQUEEZE RECORD

| Purpose: | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
|---|------------------|----------------|-------------|----------------------------|
| <input type="checkbox"/> Perforate | | | | |
| <input type="checkbox"/> Protect Casing | - | | | |
| <input type="checkbox"/> Plug Back TD | | | | |
| <input type="checkbox"/> Plug off Zone | - | | | |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/type | Acid, Fracture, Shot, Cement Squeeze Record | |
|----------------|---|---|-------|
| | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used) | Depth |
| 6 | 3017-3022, 3027-3037 | Acidize - 4900 gls 17% FE Acid | |
| 6 | 2980-2985, 2944-2948 | | |
| | | | |
| | | | |

| | | | | |
|---|---------------|--|------------|--|
| TUBING RECORD | Size 2 3/8 | Set At 3114 | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr. NA | | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) Shut In | | |
| Estimated Production Per 24 Hours | Oil BBLs | Gas Mcf | Water Bbls | Gas-Oil Ratio Gravity |

| | | |
|---|--|---------------------|
| Disposition of Gas | METHOD OF COMPLETION | Production Interval |
| <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease (If vented, Submit ACO-18) | <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____ | _____ |

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Side Three

ORIGINAL

Operator Name: OXY USA Inc. Lease Name: Fowler A Well #: 1

Sec. 15 Twp. 33 S. R. 43W East West County: Morton

| <u>Name</u> | <u>Top</u> | <u>Datum</u> |
|-------------|------------|--------------|
| F SH | 2599.06 | 1007.94 |
| F LM | 2619.98 | 987.02 |
| WBNS GRP | 2670.91 | 936.09 |
| STOTLER | 2816.45 | 790.55 |
| BREDSH | 2891.04 | 715.96 |
| SEVERY | 2949.71 | 657.29 |
| SHWN GRP | 2955.62 | 651.38 |
| TPKA | 2956.08 | 650.92 |
| HBNR SH | 3216.68 | 390.32 |
| F/LNSG | 3258.07 | 348.93 |
| LANS GRP | 3298.09 | 308.91 |
| IOLA | 3372.23 | 234.77 |
| MNCRK | 3394.97 | 212.03 |
| DRUM | 3494.11 | 112.89 |
| KSSCB | 3595.08 | 11.92 |
| DENNIS | 3622.82 | -15.82 |
| STRK SH | 3640.56 | -33.56 |
| SWOPE | 3686.95 | -79.95 |
| HUSH SH | 3702.68 | -95.68 |
| HERTHA | 3718.38 | -111.38 |

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|----------------------------------|---------------------------------|
| Customer OXY USA, INC. | Job Number 2205548663 |
|----------------------------------|---------------------------------|

| Well AUG 08 2005 | Location (legal) | | Schlumberger Location Perryton, TX | | Job Start 2005-Apr-20 | | | | |
|---|---|---|--|----------------------------------|---------------------------------|---------------------------------------|-----------------------------|---|------------------------------|
| Field CONFIDENTIAL | Formation Name/Type | | Deviation | Bit Size 7.88 in | Well MD 3,753 ft | Well TVD 3,753 ft | | | |
| County | State/Province | | BHP psi | BHST 148 °F | BHCT 119 °F | Pore Press. Gradient psi/ft | | | |
| Well Master: | API / UWI: | | Casing/Liner | | | | | | |
| Rig Name MURFIN 25 | Drilled For | Service Via | Depth, ft 3752.96 | Size, in 4.5 | Weight, lb/ft 10.5 | Grade | Thread | | |
| Offshore Zone | Well Class | Well Type | Tubing/Drill Pipe | | | | | | |
| Drilling Fluid Type | Max. Density lb/gal | Plastic VI: cp | Depth, | Size, in | Weight, lb/ft | Grade | Thread | | |
| Service Line Cementing | Job Type Cem Prod Casing | | Perforations/Open Hole | | | | | | |
| Max. Allowed Tubing Pressure 800 psi | Max. Allowed Ann. Pressure psi | Wellhead Connection 4 1/2 HSM | Top, ft | Bottom, ft | spf | No. of Shots | Total Interval ft | | |
| Service Instructions CEMENT 4 1/2" CASING: 20 BBLS CW100 25 SKS 50/50 POZ H FOR RAT & MOUSE HOLES 245 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.25%D112+ 0.25 %D65 + 0.25%D46 DISPLACE W/ FRESH WATER | | | Diameter in | | Packer Depth ft | | | | |
| Casing/Tubing Secured <input type="checkbox"/> 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> | | | Casing Tools | | Squeeze Job | | | | |
| Lift Pressure: 1900 psi | Pipe Rotated <input type="checkbox"/> | Pipe Reciprocated <input checked="" type="checkbox"/> | Shoe Type: Guide | Shoe Depth: 3752.96 ft | | Squeeze Type | | | |
| No. Centralizers: Top Plugs: 1 Bottom Plugs: 1 | Cement Head Type: Double | | Stage Tool Type: | Stage Tool Depth: ft | | Tool Type: | | | |
| Job Scheduled For: 2005-Apr-20 7:00 | Arrived on Location: 2005-Apr-20 7:00 | Leave Location: 2005-Apr-20 10:00 | Collar Type: Float | Collar Depth: 3710 ft | | Tail Pipe Size: in | | | |
| | | | Tail Pipe Depth: ft | | Sqz Total Vol: bbl | | | | |
| Date | Time | Treating Pressure psi | Flow Rate bbl/min | Density lb/gal | Volume bbl | 0 | 0 | 0 | Message |
| 2005-Apr-20 | 7:48 | -3584 | 0.0 | -6.25 | 16.8 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:48 | | | | | | | | safety meeting |
| 2005-Apr-20 | 7:48 | -3584 | 0.0 | -6.25 | 16.8 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:48 | | | | | | | | Reset Total, Vol = 16.80 bbl |
| 2005-Apr-20 | 7:49 | 5 | 0.0 | 8.24 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:49 | | | | | | | | chem wash |
| 2005-Apr-20 | 7:50 | 5 | 0.4 | 8.23 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:53 | 334 | 5.5 | 8.22 | 13.1 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:54 | | | | | | | | Reset Total, Vol = 20.08 bbl |
| 2005-Apr-20 | 7:54 | 60 | 0.9 | 8.18 | 20.1 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:54 | 60 | 0.0 | 8.17 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:54 | | | | | | | | Pressure test |
| 2005-Apr-20 | 7:54 | 60 | 0.0 | 8.12 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:54 | | | | | | | | start cement |
| 2005-Apr-20 | 7:56 | 78 | 0.0 | 8.31 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 7:59 | 558 | 7.5 | 13.87 | 12.4 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:02 | 375 | 7.5 | 13.57 | 34.8 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:05 | 110 | 3.9 | 13.99 | 56.0 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:08 | 348 | 6.5 | 13.95 | 75.3 | 0 | 0 | 0 | end cement |
| 2005-Apr-20 | 8:11 | | | | | | | | pump out lines |
| 2005-Apr-20 | 8:11 | 174 | 4.2 | 8.48 | 0.7 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:14 | 50 | 2.5 | 8.22 | 9.7 | 0 | 0 | 0 | |

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| Well # | | Field | | Service Date | | Customer | | Job Number | |
|---------------------------------------|------------------------|-------------------|-------------------------|---|-------------------------------|---|----|------------|------------------------------|
| | | | | 05110-Apr-20 | | OXY USA, INC. | | 2205548863 | |
| Date | Time | Treating Pressure | Flow Rate | Density | Volume | 0 | 0 | 0 | Message |
| | 24 hr clock | psi | bbl/min | lb/gal | bbl | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:15 | | | | | | | | Reset Total, Vol = 12.57 bbl |
| 2005-Apr-20 | 8:15 | 0 | 0.0 | 7.34 | 12.6 | 0 | 0 | 0 | displace |
| 2005-Apr-20 | 8:15 | | | | | | | | |
| 2005-Apr-20 | 8:15 | 0 | 0.0 | 7.46 | 0.0 | 0 | 0 | 0 | KCC AUG 18 2005 |
| 2005-Apr-20 | 8:17 | 133 | 7.7 | 8.33 | 5.6 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:20 | 73 | 5.0 | 8.33 | 23.6 | 0 | 0 | 0 | CONFIDENTIAL |
| 2005-Apr-20 | 8:23 | 412 | 5.0 | 8.31 | 38.7 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:26 | 751 | 5.0 | 8.29 | 53.7 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:28 | | | | | | | | Bump Plug |
| 2005-Apr-20 | 8:28 | 1698 | 0.0 | 8.28 | 60.7 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:28 | | | | | | | | Reset Total, Vol = 60.75 bbl |
| 2005-Apr-20 | 8:28 | 1671 | 0.0 | 8.28 | 60.7 | 0 | 0 | 0 | |
| 2005-Apr-20 | 8:29 | 1648 | 0.0 | 8.28 | 0.0 | 0 | 0 | 0 | floats held |
| 2005-Apr-20 | 8:43 | | | | | | | | |
| Post Job Summary | | | | | | | | | |
| Average Pump Rates, bpm | | | | | Volume of Fluid Injected, bbl | | | | |
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 | | |
| 5 | | | 6 | 66 | 0 | 20 | | | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Volume | Density | | | |
| 700 | | 200 | 1300 | | bbl | lb/gal | | | |
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | <input type="checkbox"/> Cement Circulated to Surface? Volume bbl <input type="checkbox"/> Washed Thru Perfs To ft | | | | | |
| % | 66 bbl | 59 bbl | °F | | | | | | |
| Customer or Authorized Representative | | | Schlumberger Supervisor | | | <input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed | | | |
| Willimon, Wes | | | Ousley, John | | | | | | |

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Service Order

2005-Apr-19

| | | | | | | | | | |
|--------------------------------------|--|--------------------------------------|--------------------------------------|------------------------------------|---|----------------------------------|-----------------------------|--------------------------|--|
| Customer OXY USA, INC. | | Person Taking Call Pathak, Rakesh | | Dowell Location Perryton, TX | | Order Date 2005-Apr-15 | | Job Number 2205548167 | |
| Well Name and Number Fowler 'A' 1 | | | Legal Location Sec 15 - 33S - 43W | | County Morton | | State/Province Kansas | | |
| Well Master: 0630686481 | | | API / UWI: | | | | | | |
| Rig Name CHEYENNE 8 | | Well Age New | | Sales Engineer Cambern, Charles | | | Job Type Cem Prod Casing | | |
| Time Well Ready: | | Deviation ° | | Bit Size 7.88 in | | Well MD 3,950 ft | | Well TVD 3,950 ft | |
| BHP psi | | BHST 120 °F | | BHCT °F | | | | | |
| Treat Down Casing | | Packer Type | | Packer Depth ft | | WellHead Connection 4 1/2 HSM | | HHP on Location | |
| Max Allowed Pressure 2000 | | Max Allowed Ann Pressure | | | | | | | |
| Casing | | | | | Services Instructions: | | | | |
| Depth, ft | | Size, in | | Weight, lb/ft | | Grade | | Thread | |
| 3950 | | 4.5 | | 10.5 | | | | 240 | |
| | | | | | CEMENT 4 1/2" CASING WITH: 20 BBLS CW100 275 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.6 %D112+ 0.25 %D65 + 0.25%D46 DISPLACE W/FRESH WATER | | | | |
| Tubing | | | | | Extra Equipment: | | | | |
| Depth, | | Size, in | | Weight, lb/ft | | Grade | | Thread | |
| | | | | | 1 CemCAT 1 PUMP 1 ABT | | | | |
| Perforated Intervals | | | | | | | | | |
| Top, ft | | Bottom, ft | | spf | | No. of Shots | | Total Interval | |
| | | | | | | | | ft | |
| | | | | | | | | Diameter | |
| | | | | | | | | in | |
| Expected On Location: | | | | | Ready To Pump: | | | | |

| Contact | Voice | Mobile | FAX | Notes |
|-----------|-------|----------------|-----|-------|
| Cal Wylie | | 1 620 629 5656 | | |

Notes:
 TOC = 2500 ft
 Caliper = 354 cuft + 20%

Directions:
 Perryton TX >Hwy 83 North to Hwy 51 (9 mi North of Liberal), T/L, Hwy 51 West to Elkhart KS
 Hwy 27 Truck Route (2 mi East of town), T/R, 11 mi North on Hwy 27 to CR 'P', T/L, 4 1/2 mi
 West, T/L, 1/4 mi South into loc.

Other Notes:
 FOLLOW ALL CONVOY POLICIES AND QHSE STANDARDS, REMEMBER THAT YOUR FAMILY WAITS FOR YOU COME BACK
 SAFE!!!

Comments:

| Material | Description | Quantity Needed |
|----------|--------------------------|-----------------|
| D827 | Chemical Wash CW100 D827 | 0 BL |

Fluid Systems:

| CW100 | | |
|-----------------|---------------------|------------------------------|
| 20 BBLs CW100 | | |
| <i>Density:</i> | 8.33 lb/gal | <i>Thickening Time:</i> |
| <i>Yield:</i> | ft ³ /sk | |
| <i>H2O Mix:</i> | 0 gal/sk | |
| <i>H2O:</i> | 0 gal | <i>Eq. Sack Weight:</i> 0 lb |
| | | <i>Total Blend:</i> 0 sacks |
| Dowell Code | Conc/ Amount | Total Quantity |
| J237A | 5 gal | 5 |
| D122A | 10 gal | 10 |

| TAIL | | |
|---|--------------------------|---------------------------------|
| 275 SKS 50/50 Poz:H+2%D20+3%M117+ 5 PPS D42+5 PPS D53+0.6 %D112+ 0.25 %D65 + 0.25%D46 | | |
| <i>Density:</i> | 13.8 lb/gal | <i>Thickening Time:</i> |
| <i>Yield:</i> | 1.55 ft ³ /sk | |
| <i>H2O Mix:</i> | 7.1 gal/sk | |
| <i>H2O:</i> | 1952.5 gal | <i>Eq. Sack Weight:</i> 86.5 lb |
| | | <i>Total Blend:</i> 275 sacks |
| Dowell Code | Conc/ Amount | Total Quantity |
| D132 | 39.71 lbs/sk | 10920.25 |
| CLASS H | 47 lbs/sk | 12925 |
| D020 | 1.734 lbs/sk | 476.85 |
| M117 | 2.6 lbs/sk | 715 |
| D042 | 5 lbs/sk | 1375 |
| D053 | 5 lbs/sk | 1375 |
| D112 | 0.519 lbs/sk | 142.725 |
| D065 | 0.216 lbs/sk | 59.4 |
| D046 | 0.216 lbs/sk | 59.4 |

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| | |
|-------------|-------------|
| Date | 4/20/2005 |
| Company | OXY USA INC |
| Job Number | 2205548167 |
| Well Name | Fowler'A' 1 |
| Well Number | 063068648 |
| County | Morton |
| State | KANSAS |

| | |
|--------------|---------|
| Pipe Size | 4 1/2 |
| Pipe Weight | 10.5 |
| Pipe Depth | 3752.96 |
| Shoe Length | 42.74 |
| Insert Depth | 3710.22 |
| Hole Size | 7 7/8 |
| Hole Depth | 3950 |

| | |
|----------------|-----|
| Pipe Volume | 60 |
| Annular Volume | 209 |
| Total Cement | 66 |
| Total Water | 120 |

| | |
|----------------|--------|
| Pipe Factor | 0.0159 |
| Annular Factor | 0.0558 |
| Height Factor | 3.9331 |

Casing lift 2478
Cement lift 1055

| | |
|-------------|---|
| 1st System | |
| 0 sacks | |
| 1.55 yield | |
| 13.8 weight | |
| 7.1 water | 0 |
| cubic ft. | 0 |
| height | 0 |
| bbls | 0 |

| | |
|-------------|-------------|
| 2nd System | |
| 240 sacks | 50:50 POZ H |
| 1.55 yield | |
| 13.8 weight | |
| 7.1 water | 41 |
| cubic ft. | 372 |
| height | 1463 |
| bbls | 66.3 |

| | |
|------------|---|
| 3rd System | |
| sacks | |
| yield | |
| weight | |
| water | 0 |
| cubic ft. | 0 |
| height | 0 |
| bbls | 0 |

| | |
|------------|---|
| 4th System | |
| sacks | |
| yield | |
| weight | |
| water | 0 |
| cubic ft. | 0 |
| height | 0 |
| bbls | 0 |

Test 1000

Mud

20 Spacer CW100

0 mouse/rat 13.8

66 Tail 13.8

58.99 Displacement

750 Maximum Pressure

Pump time @ 5 BPM 25 MIN



Cementing Service Report

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| | | |
|---------------------------|----------------------------|--------------------------|
| Customer OXY USA, INC. | KCC AUG 0 8 2005 | Job Number 2205548503 |
|---------------------------|----------------------------|--------------------------|

| | | | |
|----------------------------|--|---------------------------------------|--------------------------------|
| Well FOWLER A 1 | Location (legal) Perryton, TX | Schlumberger Location Perryton, TX | Job Start 2005-Apr-17 |
| Field | Formation Name/Type CONFIDENTIAL | Bit Size in | Well MD 1,340 ft |
| County | State/Province | BHP psi | BHST °F |
| Well Master: 0630686481 | API / UWI: | BHCT °F | Pore Press. Gradient psi/ft |

| | | | | | | | |
|-------------------------------|--------------------------|-------------|-------------------|------------------|---------------------|-------|--------|
| Rig Name CHEYENNE 8 | Drilled For Oil & Gas | Service Via | Depth, ft 1340 | Size, in 8.63 | Weight, lb/ft 24 | Grade | Thread |
|-------------------------------|--------------------------|-------------|-------------------|------------------|---------------------|-------|--------|

| | | | | | | | |
|---------------------|------------------------|----------------|--------------------------|----------|---------------|-------|--------|
| Offshore Zone | Well Class New | Well Type | Tubing/Drill Pipe | | | | |
| Drilling Fluid Type | Max. Density lb/gal | Plastic Vi: cp | Depth, | Size, in | Weight, lb/ft | Grade | Thread |

| | | | | | | | |
|-------------------------------------|-----------------------------------|-------------------------------|---------|------------|-----|--------------|----------------------|
| Service Line Cementing | Job Type Cem Surface Casing | Perforations/Open Hole | | | | | |
| Max. Allowed Tubing Pressure psi | Max. Allowed Ann. Pressure psi | WellHead Connection | Top, ft | Bottom, ft | spf | No. of Shots | Total Interval ft |

| | | | | | | | |
|--|---------------------------|---------------------------|----------------------------|--|--|--|--|
| Service Instructions CEMENT 8 5/8 SURFACE CASING WITH: 10 BBL FRESHWATER 405 SKS 35:65 POZ C + 6% D20+2% S01+ .5pps D029 195 SKS CLASS C + 2% S01 + .25 pps D29 DISPLACE FRESHWATER | | | | | | | |
| Treat Down Casing | Displacement 82.83 bbl | Packer Type | Packer Depth ft | | | | |
| Tubing Vol. bbl | Casing Vol. 85.58 bbl | Annular Vol. 98.49 bbl | OpenHole Vol 195.37 bbl | | | | |

| | | | | | | |
|---|---|--|---------------------------|-----------------------|------------------------|--|
| Casing/Tubing Secured <input checked="" type="checkbox"/> | 1 Hole Volume Circulated prior to Cementing <input checked="" type="checkbox"/> | Casing Tools | | Squeeze Job | | |
| Lift Pressure: 300 psi | Pipe Rotated <input type="checkbox"/> | Pipe Reciprocated <input type="checkbox"/> | Shoe Type: Guide | Squeeze Type | | |
| No. Centralizers: 5 | Top Plugs: 1 | Bottom Plugs: 0 | Shoe Depth: 1343.42 ft | Tool Type: | | |
| Cement Head Type: Single | Job Scheduled For: 2005-Apr-17 21:00 | | Stage Tool Type: | Tool Depth: ft | | |
| Arrived on Location: 2005-Apr-17 21:00 | Leave Location: 2005-Apr-18 1:00 | Collar Type: Auto-Fill | Stage Tool Depth: ft | Tail Pipe Size: in | | |
| | | Collar Depth: 1300.44 ft | | | Tail Pipe Depth: ft | |
| | | | | Sqz Total Vol: bbl | | |

| Date | Time | Treating Pressure psi | Flow Rate bbl/min | Density lb/gal | Volume bbl | CMT AN PRES psi | 0 | 0 | Message |
|-------------|-------|--------------------------|----------------------|-------------------|---------------|--------------------|---|---|----------------------|
| 2005-Apr-17 | 23:08 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:08 | | | | | | | | Start Job |
| 2005-Apr-17 | 23:08 | | | | | | | | Pressure Test Lines |
| 2005-Apr-17 | 23:08 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:08 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:08 | | | | | | | | Start Pumping Spacer |
| 2005-Apr-17 | 23:08 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:09 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:09 | 0 | 0.0 | 8.35 | 0.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:10 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:10 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:11 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:11 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:12 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:12 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:13 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:13 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:14 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:14 | 0 | 0.0 | 8.35 | 0.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:15 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:15 | 0 | 0.0 | 8.35 | 0.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:16 | 5 | 0.0 | 8.35 | 0.0 | -5 | 0 | 0 | |

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| Well | | Field | | | Service Date | | Customer | | Job Number |
|-------------|-------------|-------------------|-----------|---------|--------------|-------------|---------------|---|------------------------------|
| FOWLER #A 1 | | | | | 05107-Apr-17 | | OXY USA, INC. | | 2205548503 |
| Date | Time | Treating Pressure | Flow Rate | Density | Volume | CMT AN PRES | 0 | 0 | Message |
| | 24 hr clock | psi | bbl/min | lb/gal | bbl | psi | 0 | 0 | |
| 2005-Apr-17 | 23:16 | 46 | 0.2 | 8.35 | 0.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:17 | 1918 | 0.0 | 8.35 | 0.1 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:17 | 23 | 0.0 | 8.35 | 0.1 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:18 | 50 | 2.6 | 8.35 | 0.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:18 | 146 | 5.9 | 8.33 | 3.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:19 | 146 | 5.9 | 8.33 | 6.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:19 | 142 | 5.9 | 8.35 | 8.9 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:19 | 146 | 6.0 | 8.38 | 10.5 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:19 | | | | | | | | End Spacer |
| 2005-Apr-17 | 23:19 | 146 | 6.0 | 8.44 | 10.7 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:19 | | | | | | | | Start Mixing Lead Slurry |
| 2005-Apr-17 | 23:20 | 146 | 6.0 | 8.48 | 10.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:20 | | | | | | | | Reset Total, Vol = 10.81 bbl |
| 2005-Apr-17 | 23:20 | 160 | 6.0 | 9.13 | 1.1 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:20 | 165 | 6.0 | 10.61 | 4.1 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:21 | 160 | 6.1 | 11.04 | 7.1 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:21 | 160 | 6.1 | 11.28 | 10.2 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:22 | 156 | 6.1 | 11.59 | 13.3 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:22 | 137 | 5.9 | 11.15 | 16.3 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:23 | 50 | 3.4 | 10.98 | 18.3 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:23 | 46 | 3.4 | 11.78 | 20.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:24 | 64 | 4.1 | 12.30 | 21.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:24 | 119 | 5.3 | 12.33 | 24.3 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:25 | 124 | 5.6 | 12.33 | 27.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:25 | 133 | 5.8 | 12.38 | 30.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:26 | 146 | 6.3 | 12.39 | 33.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:26 | 137 | 6.2 | 12.36 | 36.1 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:27 | 128 | 5.9 | 12.28 | 39.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:27 | 128 | 5.9 | 12.22 | 42.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:28 | 124 | 5.9 | 12.23 | 45.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:28 | 124 | 5.9 | 12.30 | 47.9 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:29 | 124 | 6.0 | 12.21 | 50.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:29 | 124 | 6.0 | 12.15 | 53.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:30 | 133 | 6.0 | 12.46 | 56.8 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:30 | 133 | 6.0 | 12.34 | 59.8 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:31 | 133 | 6.0 | 12.39 | 62.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:31 | 133 | 6.0 | 12.43 | 65.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:32 | 133 | 6.0 | 12.25 | 68.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:32 | 133 | 6.0 | 12.30 | 71.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:33 | 128 | 6.0 | 12.16 | 74.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:33 | 128 | 6.0 | 12.06 | 77.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:34 | 133 | 6.0 | 12.09 | 80.8 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:34 | 133 | 6.0 | 12.11 | 83.8 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:35 | 133 | 6.0 | 12.11 | 86.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:35 | 128 | 6.0 | 12.10 | 89.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:36 | 128 | 6.0 | 12.19 | 92.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:36 | 133 | 6.0 | 12.24 | 95.9 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:37 | 133 | 6.1 | 12.27 | 99.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:37 | 133 | 6.1 | 12.06 | 102.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:38 | 133 | 6.1 | 12.23 | 105.0 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:38 | 133 | 6.1 | 12.34 | 108.0 | 0 | 0 | 0 | |
| 2005-Apr-17 | 23:39 | 124 | 5.8 | 12.16 | 110.9 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:39 | 119 | 5.8 | 12.08 | 113.7 | -5 | 0 | 0 | |
| 2005-Apr-17 | 23:40 | 114 | 5.7 | 12.10 | 116.6 | -5 | 0 | 0 | |

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| Well | | Field | | | Service Date | | Customer | | | Job Number |
|-------------|-------------|-------------------|-----------|---------|--------------|-------------|---------------|---|-------------------------------|------------|
| FOWLER #A 1 | | | | | 05107-Apr-17 | | OXY USA, INC. | | | 2205548503 |
| Date | Time | Treating Pressure | Flow Rate | Density | Volume | CMT AN PRES | 0 | 0 | Message | |
| | 24 hr clock | psi | bbf/min | lb/gal | bbf | psi | 0 | 0 | | |
| 2005-Apr-17 | 23:40 | 119 | 5.8 | 12.08 | 119.5 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:41 | 119 | 5.7 | 12.08 | 122.3 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:41 | 119 | 5.7 | 12.09 | 125.2 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:42 | 119 | 5.8 | 12.11 | 128.1 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:42 | 110 | 5.5 | 12.08 | 130.9 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:43 | 105 | 5.4 | 12.07 | 133.6 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:43 | 105 | 5.4 | 12.12 | 136.3 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:44 | 110 | 5.4 | 12.27 | 139.0 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:44 | 110 | 5.4 | 12.45 | 141.7 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:45 | 110 | 5.4 | 12.32 | 144.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:45 | 114 | 5.4 | 12.37 | 147.1 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:46 | 110 | 5.4 | 12.27 | 149.8 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:46 | 110 | 5.4 | 12.30 | 152.5 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:47 | 105 | 5.4 | 11.98 | 155.2 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:47 | 73 | 4.3 | 12.15 | 157.5 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:48 | 73 | 4.3 | 12.84 | 159.7 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:48 | | | | | | | | Start Mixing Tail Slurry | |
| 2005-Apr-17 | 23:48 | 78 | 4.3 | 13.06 | 160.5 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:48 | 78 | 4.3 | 13.10 | 160.6 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:48 | | | | | | | | End Lead Slurry | |
| 2005-Apr-17 | 23:48 | | | | | | | | Reset Total, Vol = 160.77 bbl | |
| 2005-Apr-17 | 23:48 | 78 | 4.3 | 13.13 | 160.8 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:48 | 69 | 3.9 | 13.38 | 1.0 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:49 | 69 | 3.9 | 13.79 | 3.0 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:49 | 69 | 3.9 | 14.06 | 4.9 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:50 | 69 | 3.9 | 14.30 | 6.9 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:50 | 69 | 3.9 | 14.44 | 8.8 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:51 | 73 | 3.9 | 14.54 | 10.7 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:51 | 64 | 3.5 | 14.62 | 12.6 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:52 | 60 | 3.5 | 14.86 | 14.3 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:52 | 64 | 3.5 | 14.87 | 16.1 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:53 | 60 | 3.5 | 14.81 | 17.9 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:53 | 60 | 3.5 | 14.81 | 19.7 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:54 | 64 | 3.8 | 14.88 | 21.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:54 | 87 | 4.0 | 14.91 | 23.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:55 | 87 | 4.0 | 14.90 | 25.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:55 | 87 | 3.9 | 14.89 | 27.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:56 | 87 | 4.0 | 14.88 | 29.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:56 | 82 | 4.0 | 14.87 | 31.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:57 | 87 | 4.0 | 14.87 | 33.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:57 | 87 | 4.0 | 14.88 | 35.4 | -5 | 0 | 0 | | |
| 2005-Apr-17 | 23:58 | 87 | 4.0 | 14.86 | 37.4 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:58 | 87 | 4.0 | 14.84 | 39.3 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:59 | 82 | 4.0 | 15.00 | 41.3 | 0 | 0 | 0 | | |
| 2005-Apr-17 | 23:59 | 87 | 4.0 | 15.12 | 43.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:00 | 87 | 4.0 | 15.12 | 45.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:00 | -5 | 0.0 | 13.33 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:01 | -5 | 0.0 | 13.89 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:01 | -5 | 0.0 | 11.90 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:02 | -5 | 0.0 | 10.66 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:02 | 0 | 0.0 | 10.21 | 46.5 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:03 | 0 | 0.0 | 9.89 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:03 | -5 | 0.0 | 9.65 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:04 | 0 | 0.0 | 9.56 | 46.5 | 0 | 0 | 0 | | |

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| Well | | Field | | | Service Date | | Customer | | Job Number | |
|-------------|-------------|-------------------|-----------|---------|--------------|-------------|---------------|---|---|-----------------|
| FOWLER #A 1 | | | | | 05107-Apr-17 | | OXY USA, INC. | | 2205548503 | |
| Date | Time | Treating Pressure | Flow Rate | Density | Volume | CMT AN PRES | 0 | 0 | Message | |
| | 24 hr clock | psi | bbl/min | lb/gal | bbl | psi | 0 | 0 | | |
| 2005-Apr-18 | 0:04 | -5 | 0.0 | 9.47 | 46.5 | 0 | 0 | 0 | KCC AUG 0 8 2005 CONFIDENTIAL | |
| 2005-Apr-18 | 0:05 | 0 | 0.0 | 9.43 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:05 | -5 | 0.0 | 9.37 | 46.5 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | -5 | 0.0 | 9.38 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | 0 | 0.0 | 9.37 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | 27 | 0.0 | 9.35 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | | | | | | | | | End Tail Slurry |
| 2005-Apr-18 | 0:06 | 37 | 0.0 | 9.34 | 46.5 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | | | | | | | | | Drop Top Plug |
| 2005-Apr-18 | 0:06 | 41 | 0.0 | 9.34 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | | | | | | | | Start Displacement | |
| 2005-Apr-18 | 0:06 | 46 | 0.0 | 9.28 | 46.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:06 | | | | | | | | Reset Total, Vol = 46.54 bbl | |
| 2005-Apr-18 | 0:07 | 41 | 2.6 | 8.83 | 0.6 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:07 | 78 | 5.4 | 8.83 | 2.8 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:08 | 78 | 5.4 | 8.76 | 5.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:08 | 64 | 5.4 | 8.36 | 8.1 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:09 | 64 | 5.5 | 8.38 | 10.7 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:09 | 64 | 5.5 | 8.38 | 13.4 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:10 | 73 | 5.4 | 8.37 | 16.1 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:10 | 82 | 5.5 | 8.37 | 18.9 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:11 | 92 | 5.5 | 8.37 | 21.7 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:11 | 96 | 5.5 | 8.37 | 24.4 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:12 | 110 | 5.5 | 8.37 | 27.2 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:12 | 114 | 5.5 | 8.37 | 29.9 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:13 | 133 | 5.5 | 8.37 | 32.7 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:13 | 146 | 5.5 | 8.35 | 35.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:14 | 160 | 5.5 | 8.35 | 38.2 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:14 | 174 | 5.6 | 8.35 | 41.0 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:15 | 192 | 5.5 | 8.35 | 43.8 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:15 | 211 | 5.6 | 8.35 | 46.6 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:16 | 224 | 5.6 | 8.35 | 49.4 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:16 | 238 | 5.6 | 8.35 | 52.2 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:17 | 261 | 5.6 | 8.35 | 55.0 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:17 | 284 | 5.6 | 8.35 | 57.8 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:18 | 288 | 5.6 | 8.35 | 60.6 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:18 | 316 | 5.7 | 8.35 | 63.4 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:19 | 330 | 5.6 | 8.35 | 66.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:19 | 357 | 5.6 | 8.35 | 69.1 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:20 | 375 | 5.7 | 8.35 | 71.9 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:20 | 311 | 2.3 | 8.35 | 74.1 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:21 | 316 | 2.3 | 8.35 | 75.2 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:21 | 316 | 2.3 | 8.35 | 76.4 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:22 | 330 | 2.3 | 8.35 | 77.5 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:22 | 330 | 2.2 | 8.35 | 78.7 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:23 | 339 | 2.3 | 8.35 | 79.8 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:23 | 352 | 2.3 | 8.35 | 80.9 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:24 | 627 | 0.0 | 8.35 | 81.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:24 | 499 | 0.0 | 8.35 | 81.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:25 | -5 | 0.0 | 8.35 | 81.3 | 0 | 0 | 0 | | |
| 2005-Apr-18 | 0:25 | | | | | | | | End Displacement | |
| 2005-Apr-18 | 0:25 | -5 | 0.0 | 8.35 | 81.3 | -5 | 0 | 0 | | |
| 2005-Apr-18 | 0:25 | | | | | | | | Bump Top Plug | |
| 2005-Apr-18 | 0:25 | -5 | 0.0 | 8.35 | 81.3 | -5 | 0 | 0 | | |

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|---|------------------------|--------------------------|--|------------------------------|---|---|----|--------------------------|--------------------|
| Well FOWLER #A 1 | | Field | | Service Date 05107-Apr-17 | | Customer OXY USA, INC. | | Job Number 2205548508 | |
| Date | Time 24 hr clock | Treating Pressure psi | Flow Rate bbl/min | Density lb/gal | Volume bbl | CMT AN PRES psi | 0 | 0 | Message |
| 2005-Apr-18 | 0:25 | | | | | | 0 | 0 | KCC AUG 18 2005 |
| 2005-Apr-18 | 0:25 | 0 | 0.0 | 8.35 | 81.3 | 0 | 0 | 0 | End Job |
| Post Job Summary | | | | | | | | | |
| Average Pump Rates, bpm | | | | | Volume of Fluid Injected, bbl | | | | |
| Slurry | N2 | Mud | Maximum Rate | Total Slurry | Mud | Spacer | N2 | | |
| 6 | 0 | 0 | 6 | 204 | 0 | 10 | | | |
| Treating Pressure Summary, psi | | | | | Breakdown Fluid | | | | |
| Maximum | Final | Average | Bump Plug to | Breakdown | Volume | Density | | | |
| 650 | | 150 | 650 | | | lb/gal | | | |
| Avg. N2 Percent | Designed Slurry Volume | Displacement | Mix Water Temp | | <input checked="" type="checkbox"/> Cement Circulated to Surface? | Volume | 80 | bbl | |
| % | 204 bbl | 82.83 bbl | °F | | <input type="checkbox"/> Washed Thru Perfs | To | ft | | |
| Customer or Authorized Representative Wylie, Cal | | | Schlumberger Supervisor Paul Gonzales | | | <input type="checkbox"/> Circulation Lost <input checked="" type="checkbox"/> Job Completed | | | |

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AUG U 8 2005

ORIGINAL

CONFIDENTIAL Schlumberger

| | |
|-------------|------------|
| Date | 4/17/2005 |
| Company | OXY USA |
| Job Number | 2205548164 |
| Well Name | FOWLER |
| Well Number | A 1 |
| County | MORTON |
| State | KS |

| | | |
|--------------|---------|----|
| Pipe Size | 8 5/8 | |
| Pipe Weight | 24 | 32 |
| Pipe Depth | 1343.42 | |
| Shoe Length | 42.98 | |
| Insert Depth | 1300.44 | |
| Hole Size | 12 1/4 | |
| Hole Depth | 1340 | |

| | | |
|-------------|---------|---------|
| 35:65 POZ | | |
| 405 sacks | Class C | D29 S01 |
| 2.18 yield | D20 | D132 |
| 12.4 weight | | |
| 12.2 water | 118 | |
| cubic ft. | 883 | |
| height | 1079 | |
| bbls | 157 | |

| | |
|----------------|-----|
| Pipe Volume | 86 |
| Annular Volume | 99 |
| Total Cement | 204 |
| Total Water | 230 |

184

| | | |
|----------------|--------|--------|
| Pipe Factor | 0.0637 | 0.0609 |
| Annular Factor | 0.0735 | |
| Height Factor | 1.2218 | |

| | | |
|-------------|---------|-----|
| C + ADDS | | |
| 195 sacks | D903 S1 | D29 |
| 1.34 yield | | |
| 14.8 weight | | |
| 6.35 water | 29 | |
| cubic ft. | 261 | |
| height | 319 | |
| bbls | 46.5 | |

| | |
|-------------|-----|
| Casing lift | 552 |
| Cement lift | 309 |

| | | |
|------------|---|--|
| 3rd System | | |
| 0 sacks | | |
| 0 yield | | |
| 0 weight | | |
| 0 water | 0 | |
| cubic ft. | 0 | |
| height | 0 | |
| bbls | 0 | |

Test 2000 psi

Mud

10 Spacer

157 Lead 12.395

47 Tail 14.8

82.8 Displacement

2000 Maximum Pressure

| | | |
|------------|---|--|
| 4th System | | |
| sacks | | |
| yield | | |
| weight | | |
| water | 0 | |
| cubic ft. | 0 | |
| height | 0 | |
| bbls | 0 | |

Pump time @ 4 BPM 72 MIN