

New Mexico
Energy Minerals and Natural Resources Department

Form C-140
Revised 06/99

District I - (505) 393-6161
1625 N. French Dr, Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road, Aztec, NM 87410
District IV - (505) 476-3440
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

| | | | | | | |
|--|---------|----------|--------------------------|---------------|---------------------------------|----------|
| Operator name address Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499 | | | | | OGRID Number 014538 | |
| Contact Party Peggy Cole | | | | | Phone 505/326-9700 | |
| Property Name HUERFANO UNIT | | | Well Number 50 | | API Number 3004505764 | |
| UL | Section | Township | Range | Feet From The | Feet From The | County |
| H | 22 | 26 N | 9 W | 1650 FNL | 990 FEL | SAN JUAN |

II. Workover

| | |
|---|---|
| Date Workover Commence 10/7/2002 | Previous Producing Pool(s) (Prior to Workover): BALLARD PICTURED CLIFFS (GAS) |
| Date Workover Completed: 10/13/2002 | |

- III. Attach a description of the Workover Procedures performed to increase production.
IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.
V. AFFIDAVIT:

| | | |
|--|---------------------------------------|---|
| State of <u>New Mexico</u>) | | |
| County of <u>San Juan</u>) ss. | | |
| Peggy Cole, being first duly sworn, upon oath states: | | |
| 1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well. | | |
| 2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well. | | |
| 3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate. | | |
| Signature <u>Peggy Cole</u> | Title <u>Regulatory Administrator</u> | Date <u>6-4-03</u> |
| SUBSCRIBED AND SWORN TO before me this <u>4th</u> day of <u>June</u> 2003 | | |
| My Commission expires: <u>September 15, 2004</u> | | Notary Public <u>Nancy Oltramans</u> |

FOR OIL CONSERVATION DIVISION USE ONLY:

IV. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed 10-13-2002.

| | | |
|--|----------------------------------|---------------------------|
| Signature District Supervisor <u>Charles Fern</u> | OCD District <u>AZTEC III</u> | Date <u>06-30-2003</u> |
|--|----------------------------------|---------------------------|

VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

| REG_DTL_D | BALLARD PICTURED CLIFFS (GAS) |
|-----------|----------------------------------|
|-----------|----------------------------------|

| | |
|-----------|------|
| 10/1/2001 | 3072 |
| 11/1/2001 | 3108 |
| 12/1/2001 | 2705 |
| 1/1/2002 | 3166 |
| 2/1/2002 | 2448 |
| 3/1/2002 | 2764 |
| 4/1/2002 | 1111 |
| 5/1/2002 | 785 |
| 6/1/2002 | 5582 |
| 7/1/2002 | 5000 |
| 8/1/2002 | 4565 |
| 9/1/2002 | 5464 |
| 10/1/2002 | 2681 |
| 11/1/2002 | 4939 |
| 12/1/2002 | 4513 |
| 1/1/2003 | 4096 |

BURLINGTON RESOURCES DIVISIONS

Page 1 of 3

Operations Summary Report

Legal Well Name: HUERFANO UNIT #50
 Common Well Name: HUERFANO UNIT #50
 Event Name: CAP WORKOVER
 Contractor Name: RIGLESS WORKOVER
 Rig Name: RIGLESS

Spud Date: 01/19/1956
 Start: 10/07/2002 End: 10/13/2002
 Rig Release: 10/13/2002 Group:
 Rig Number: 1

| Date | From - To | Hours | Code | Sub Code | Phase | Description of Operations |
|------------|---------------|-------|------|----------|--------|---|
| 10/02/2002 | 14:00 - 15:00 | 1.00 | MIMO | a | MIRU | ROAD RIG FROM HUERFANITO # 48 TO HUERFANO # 50 . |
| | 15:00 - 16:00 | 1.00 | RURD | a | MIRU | SPOT IN RIG RAMP , PUT RIG ON RAMP & STAND UP RIG . |
| | 16:00 - 19:00 | 3.00 | RURD | a | MIRU | SPOT IN REST OF EQUIP & LAY FLOWLINES , SDFD . |
| 10/03/2002 | 06:00 - 07:00 | 1.00 | SAFE | a | OBJECT | TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON DEEPING WELL , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT . |
| | 07:00 - 08:00 | 1.00 | NUND | a | MIRU | TAKE CAP OFF OF TBG HEAD , SCREW ON FLANGE , NU BOP . |
| | 08:00 - 09:00 | 1.00 | TRIP | a | OBJECT | POOH , LAYING DOWN 2 3/8" TBG , LAID DOWN A TOTAL OF 64 JTS . |
| | 09:00 - 09:30 | 0.50 | PULD | a | OBJECT | CHANGE OUT SLIPS , ELEV , RAMS TO 2 7/8" , MU 6 1/4" BIT , BIT SUB ON FIRST DRILL COLLAR . |
| | 09:30 - 10:30 | 1.00 | TRIP | a | OBJECT | RIH W/ 6 1/4" BIT , 6 - 3 1/8" DRILL COLLARS & PU 2 7/8" TBG , TAGGED UP @ 2020' , TD @ 2025' , HAD 5' OF FILL . |
| | 10:30 - 17:00 | 6.50 | DRLG | a | OBJECT | CO TO TD & DEEPEN HOLE FROM 2025' TO 2176' W/ AIR MIST , CIRCULATE HOLE CLEAN W/ AIR MIST . |
| | 17:00 - 17:45 | 0.75 | TRIP | a | OBJECT | TOOH W/ BIT , LAY DOWN DRILL COLLARS & BIT . |
| | 17:45 - 18:15 | 0.50 | TRIP | a | OBJECT | TIH W/ SAW TOOTH COLLAR , 4' SHOE JT , OMEGA LATCH DOWN BAFFLE , 7 JTS OF 2 7/8" , 10' MARKER JT & REST OF TBG . |
| | 18:15 - 18:45 | 0.50 | NUND | a | OBJECT | LAND CSG @ 2167.31' W/ 69 JTS OF 2.875" , 6.8 # , J-55 , EUE , 8 RD , OMEGA LATCH DOWN BAFFLE @ 2163' , MARKER JT @ 1944.22' , W/ KB INCLUDED , ND BOP & FLANGE , MAKE UP CAP . |
| | 18:45 - 19:15 | 0.50 | RURD | a | OBJECT | RU CEMENT HEAD & PUMPLINE , HOOK UP AIR LINE TO HEAD . BLOW W/ AIR MIST . |
| | 19:15 - 19:30 | 0.25 | SAFE | a | OBJECT | CIRCULATE W/ AIR MIST , HOLD SAFETY MEETING ON CEMENTING CSG , RIG CREW , AIR HANDS , CEMENT CREW , CONSULTANT WERE PRESENT . WELL WAS CIRCULATING BY THE END OF SAFETY MEETING . |
| | 19:30 - 20:15 | 0.75 | CEMT | a | OBJECT | PRESS TEST LINES TO 3500 PSI , TESTED GOOD , PUMP 10 BBLs GEL DYE SPACER , PUMP 10 BBL GEL SPACER , PUMP 3 BBL SPACER , PUMP 81 BBLs OF 12.1 PPG LEAD CEMENT , HAD DYE TO SURFACE , PUMP 13 BBLs OF 14.2 PPG TAIL CEMENT , WASH UP PUMP & LINES , DROP WIPER PLUG , PUMP 12.5 BBLs OF H2O DISPLACEMENT , BUMPED PLUG TO 1715 PSI , SLOWLY BLEED OFF PLUG TO 700 PSI , POPPED BLEED OFF OPEN TO MAKE SURE PLUG HELD , TESTED GOOD . CHECK FLOAT , FLOAT HELD & HAD NO ANNULAR FLOW AFTER SHUT DOWN PUMPING . |
| | 20:15 - 21:00 | 0.75 | SHDN | a | OBJECT | WASH UP PUMP & LINES , RD CEMENT HEAD & LINES , RU TREE , PU TOOLS & LOC , SDFD . |
| 10/04/2002 | 06:00 - 07:00 | 1.00 | SAFE | a | OBJECT | TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON RD RIG & EQUIP , MOVING RIG , RIG CREW , AIR HANDS , RU DRIVERS & PUSHER , CONSULTANT WERE PRESENT . |
| | 07:00 - 08:00 | 1.00 | RURD | a | MIRU | RD RIG & EQUIP , MOL TO HUERFANITO # 31 . |
| 10/08/2002 | 08:00 - 09:00 | 1.00 | CASE | a | OBJECT | SUMMARY MOL , ND TREE , NU BOP , POOH W/ TBG , RIH W/ BIT , DEEPEN WELL , TOOH W/ BIT , RIH W/ CSG LAND CSG , ND BOP , NU TREE , CEMENT CSG , RD RIG & EQUIP , MOL . |
| | 09:00 - 13:00 | 4.00 | MIMO | a | OBJECT | NOTE SENT 64 JTS OF 2 3/8" TBG TO MOI ON M&R TRUCKING , TRANS 13 JTS OF 2 7/8" TO HUERFANITO # 31 . |
| | 13:00 - 13:30 | 0.50 | NUND | a | OBJECT | RIG UP BLUE JET , LOG W/ GR/CCL 2,161' TO SURFACE 10/03/2002. |
| | 13:30 - 14:30 | 1.00 | PUMP | a | OBJECT | MOVE IN AMERICAN ENERGY & BLUE JET , RIG UP BLUE JET MAST TRUCK . |
| | 14:30 - 16:30 | 2.00 | PERF | a | OBJECT | PICK UP FRAC VALVE W/ BOOM TRUCK & NIPPLE UP . NIPPLE UP AMERICAN ENERGY , TEST CSG W/ 5,000 PSI , 15 MIN TEST , LOST 150 PSI IN 15 MIN DUE TO AIR . NIPPLE DOWN . PERF PICTURED CLIFFS IN 3 RUNS , RUN # 1 PERF @ 2,060' , 58' , |

Printed: 06/03/2003 10:05:28 AM

BURLINGTON RESOURCES DIVISIONS

Page 2 of 3

Operations Summary Report

Legal Well Name: HUERFANO UNIT #50
 Common Well Name: HUERFANO UNIT #50
 Event Name: CAP WORKOVER
 Contractor Name: RIGLESS WORKOVER
 Rig Name: RIGLESS

Spud Date: 01/19/1956
 Start: 10/07/2002 End: 10/13/2002
 Rig Release: 10/13/2002 Group:
 Rig Number: 1

| Date | From - To | Hours | Code | Sub Code | Phase | Description of Operations |
|------------|---------------|-------|------|----------|--------|--|
| 10/08/2002 | 14:30 - 16:30 | 2.00 | PERF | a | OBJECT | 56', 54', 52', 47', 45', & 43', ALL SHOTS FIRED. RUN # 2, PERF @ 2,024', 22', 19', 17', 15', 06', 04', & 01', ALL SHOTS FIRED. RUN # 3, GUNS STOPPED @ 1,934'. RUN # 4, RIH W/ SINKER BAR, KNOCK OUT BRIDGE @ 1,934', TAG PBD @ 2,160', RUN # 4, PERF @ 1,981', 79', 77', 75', 73', 71', 68', 66', 64', 62', & 60', ALL SHOTS FIRED. PERF W/ 1-11/16" SHOGUN PERF SYS W/ 9 GRAM .24 DIA SHOTS. RIG DOWN, MOVE TO HUERFANITO # 48 |
| 10/09/2002 | 06:30 - 08:15 | 1.75 | RURD | a | OBJECT | RIG UP SCHLUMBERGER DOWELL. |
| | 08:15 - 08:30 | 0.25 | SAFE | a | OBJECT | SAFETY MEETING, 14 DOWELL, 2 BR REPS. TEST LINES TO 6,000 PSI - OK. |
| | 08:30 - 10:30 | 2.00 | FRAC | a | OBJECT | FRAC PICTURED CLIFFS 252 BBLS 20# LINEAR GEL, 70 QUALITY FOAM W/ 250,000 SCF N2, W/ 100,000# 20/40 BRADY SAND 1 PPG TO 4 PPG, & 15,000# 12/20 BRADY SAND @ 4 PPG, MAX PRESS - 4518 PSI, MIN PRESS - 3259, AVRG PRESS - 3100 PSI, MAX RATE - 35 BPM, MIN RATE, 35 BPM, FLUSH W/ 5.2 BBLS 2% KCL W/ 5,938 SCF/N2, INSTANT SHUT DOWN PSI - 970 PSI, SHUT WELL IN, RIG DOWN FRAC EQUIPMENT. |
| | 10:30 - 06:00 | 19.50 | FLOW | a | OBJECT | SHUT IN CASING PRESS - 860 PSI. TIME CHOKE PRESS WTR SAND 10:30 8/64 420 N2 MIST LITE 10:45 10/64 400 N2 MIST LITE 11:00 12/64 310 N2 MIST LITE 11:30 12/64 300 N2 MIST LITE 11:45 14/64 290 N2 MIST MED 12:00 18/64 180 N2 MIST MED 13:00 32/64 90 N2 MIST HVY CHOKE PLUGGED OFF W/ SAND, REMOVE CHOKE TO UNPLUG LINES. 14:00 48/64 60 N2 MIST TRC 14:30 48/64 0-6 N2 MIST LITE 05:30 48/64 0-5 N2 MIST TRC |
| 10/10/2002 | 06:00 - 06:00 | 24.00 | FLOW | a | OBJECT | FLOWING ON 48/64 CHOKE W/ 3 - 4 PSI. FLOWING N2 FOAM MIST W/ TRACE OF SAND. TIME CHOKE PRESS WATER SAND 00:00 48/64 3 - 4 N2 MIST TRC 05:00 48/64 3 - 4 N2 MIST TRC |
| 10/11/2002 | 06:00 - 06:00 | 24.00 | FLOW | a | OBJECT | FLOWING ON 48/64 CHOKE @ 05:30 W/ 2-1/2 PSI. FLOWING N2 FOAM MIS, NO SAND & NO GAS. PERFS POSSIBLY SANDED OFF. SHUT WELL IN. |
| 10/22/2002 | 14:00 - 15:00 | 1.00 | MIMO | a | MIRU | ROAD SILVER STAR SWAB UNIT TO LOCATION |
| | 15:00 - 17:00 | 2.00 | COUT | a | OBJECT | R/U. C/O FILL F 2010' TO 2030'. RETURN WELL TO PRODUCTION SDFN |
| 10/23/2002 | 07:00 - 07:30 | 0.50 | SRIG | a | OBJECT | SERVICE & START SWAB UNIT. |
| | 07:30 - 17:00 | 9.50 | COUT | a | OBJECT | INSTALL NEW LINE FLAGGING RUN 1-3/4" SAND BAILER. TAG FILL @ 2015'. C/O FROM 2015' TO 2095' WAIT 30 MIN. TAG NEW FILL @ 2065' |

BURLINGTON RESOURCES DIVISIONS

Page 3 of 3

Operations Summary Report

Legal Well Name: HUERFANO UNIT #50
Common Well Name: HUERFANO UNIT #50
Event Name: CAP WORKOVER
Contractor Name: RIGLESS WORKOVER
Rig Name: RIGLESS

Start: 10/07/2002 Spud Date: 01/19/1956
End: 10/13/2002
Rig Release: 10/13/2002 Group:
Rig Number: 1

| Date | From - To | Hours | Code | Sub Code | Phase | Description of Operations |
|------------|---------------|-------|------|----------|--------|--|
| 10/23/2002 | 07:30 - 17:00 | 9.50 | COUT | a | OBJECT | SDFN |
| 10/24/2002 | 07:00 - 12:30 | 5.50 | COUT | a | OBJECT | TAG FILL @ 2065' W/ SANDLINE BAILER. C/O SAND BRIDGES F 2065' TO 2163', { PBTD }. RAN 2-1/2" SWAB TO 2163'. NO FLUID RECOVERED. RETURN WELL TO PROD. RELEASE SWAB UNIT @ 12:20 HRS |