

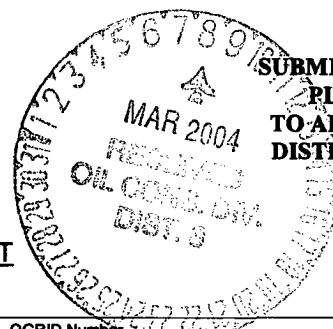
New Mexico
Energy Minerals and Natural Resources Department

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

**APPLICATION FOR
WELL WORKOVER PROJECT**



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

I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LP Box 4289, Farmington, NM 87499					OGRID Number 014538	
Contact Party Leslie D. White					Phone 505/326-9700	
Property Name HOWELL J			Well Number 3R		API Number 3004511886	
UL B	Section 11	Township 30 N	Range 8 W	Feet From The 840 FNL	Feet From The 1840 FEL	County SAN JUAN

II. Workover

Date Workover Commence 5/19/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 5/29/2003	

- 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.	
Leslie D. White, 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>Leslie D. White</u>	Title <u>Sr. Accountant</u> Date <u>3/5/04</u>
SUBSCRIBED AND SWORN TO before me this <u>5</u> day of <u>March</u> , <u>2004</u> .	
Notary Public	
My Commission expires: <u>September 15, 2004</u>	
<u>Tamatha Winters</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 5/29/03.

Signature District Supervisor <u>SSJ</u>	OCD District <u>3</u>	Date <u>4/8/04</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

HOWELL J

3R

3004511886

REG_DTL_D

BLANCO MESAVERDE

5/1/2002	7058
6/1/2002	6555
7/1/2002	6764
8/1/2002	6639
9/1/2002	6455
10/1/2002	6697
11/1/2002	6513
12/1/2002	6408
1/1/2003	6149
2/1/2003	5779
3/1/2003	5647
4/1/2003	5562
5/1/2003	3079
6/1/2003	10145
7/1/2003	14749
8/1/2003	14620

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Operations Summary Report

Legal Well Name: HOWELL J #3R
 Common Well Name: HOWELL J #3R
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 11/13/1966
 Start: 05/19/2003 End: 05/29/2003
 Rig Release: 05/29/2003 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
05/20/2003	14:30 - 17:00	2.50	RURD	a	MIRU	MI SR, SPOT RIG, RIG EQUIP., & MOUNTAIN AIR PACKAGE. RU DRAKE RIG 22, RIG EQUIP., & AIRPACK.
05/21/2003	17:00 - 18:00	1.00	SHDN	a	OBJECT	PREP TO TOH W/ RODS, SIW/ SDFN.
	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR REP.
	07:15 - 09:00	1.75	HOTO	a	OBJECT	BWD, RU MO-TE, HOT WTR RODS & TBG, RDMO HO UNIT. RDMO HO UNIT.
	09:00 - 10:00	1.00	TRIP	a	OBJECT	TOH W/ PROD 3/4" RODS. (22' PR W/ 10' LINER, 2', 6', 8' 3/4" PONY, 108 - 3/4" G-RODS, 108 - 3/4" PLN-RODS, 1 - G-ROD, 1 - 1 1/4" K-BAR, 2" X 1 1/4" X 14" PUMP).
	10:00 - 12:00	2.00	NUND	a	OBJECT	CHG OVER TO TOH W/ TBG, BWD, KW, ND TREE, NU BOP, RU RIG FLOOR & TONGS. LAY 4" B-LINE TO BLOW PIT. PREP TO TOH W/ 2 3/8" PRODUCTION TBG.
	12:00 - 13:30	1.50	TRIP	a	OBJECT	TOH W/ 2 3/8" EUE 4.7# J-55 PROD TBG, LD BHA. 177 TOTAL JTS= 5483.9', 30.98 AVER.
	13:30 - 15:30	2.00	TRIP	a	OBJECT	TALLY, TIH W/ 4 1/2" CIBP ON 2 3/8" EUE 4.7# J-55 WRK TBG TO 4930'. NOTE; TOL @ 3314'.
05/22/2003	15:30 - 16:30	1.00	PRES	a	OBJECT	SET 4 1/2" SCHLB CIBP @ 4925', LOAD HOLE W/ 2% KCL WTR, 185 BBLS TO LOAD HOLE (CAPACITY = 152 BBLS), EST RATE OF 2 BPM- 1000 PSI. HAD BLOW ON BH W/ TESTING. ISOLATE WELLHEAD, TEST, SEAL ON HEAD LEAKING, TEST @ 1000 PSI, DROP TO 400 PSI IN LESS THAN 1 MIN. RELEASE 3-RIVERS P-TRK.
	16:30 - 18:00	1.50	TRIP	a	OBJECT	TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG, LD 4 1/2" CIBP SET TOOL.
	18:00 - 20:00	2.00	CASE	a	OBJECT	RU BWWC W/L, RUN CCL & GR LOGS FROM 4925' - 2925', RD W/L SIW/ SDFN.
	20:00 - 20:30	0.50	SHDN	a	OBJECT	ROAD CREW TO LOCATION, START RIG.
	06:00 - 07:00	1.00	SRIG	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, WH HAND, WELDER, TOOL HAND.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	CHK PSI @ 0, ND BOP, ND 7" CSG HEAD, CHG OUT WH, NU NEW 7" CSG HEAD, TST WH, NU BOP. PREP TO TIH W/ TBG.
	07:15 - 10:30	3.25	WELH	a	OBJECT	ISOLATE 7" 20# CSG LEAK BETWEEN 230' - 265'. EST CIRCULATION OUT BH.
	10:30 - 13:30	3.00	PRES	a	OBJECT	CALL CSG LEAK RESULTS TO BR OFFICE, ORDERED OUT 150 SX CLASS TYPE 3 CEMENT W/ 2% CalClor ON SIDE. WAIT ON BLM APPROVAL. 1:45 PM APPROVAL GIVEN PER CONVERSATION W/ J. ANGVICK. WAIT ON CEMENT.
05/23/2003	13:30 - 15:00	1.50	WAIT	a	OBJECT	MIRU BJ SERVICES CEMENT EQUIP., TIH W/ 7" 20# SCHLMBR T-PKR ON 2 3/8" EUE 4.7# J-55 WRK TBG TO 360', SET 7" PKR, NU BJ SERV., TEST CSG FROM 360' - 4925' @ 3200 PSI- 10 MIN.
	15:00 - 18:30	3.50	CEMT	a	OBJECT	RELEASE PSI, MOVE 7" PKR TO APROX 35', RESET PKR. EST CIRCULATION OUT BH, PUMP 23 BBLS SLURRY, 15#, 1.3 YLD TO BRING CEMENT TO SURFACE, CLOSE IN BH, PUMP ADDITIONAL 15 BBLS SLURRY @ 1 BPM, 210 PSI, DISPLACE W/ 2 BBLS FRSH WTR, SD 30 MIN., PUMP 2 BBLS DISPLACEMENT @ 1/2 BPM- 300 PSI, SD 30 MIN, PUMP 1 BBL DISPLACEMENT @ 1/2 BPM- 550 PSI, SIW. TOTAL OF 150 SX CLASS TYPE 3.
	18:30 - 19:00	0.50	SHDN	a	OBJECT	DRAIN RIG EQUIP., SDFN.
	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, TOOL HAND, AIRHAND, R REP.
	07:15 - 08:30	1.25	TRIP	a	OBJECT	RELEASE 125 PSI, ND CEMENT VALVE, RELEASE 7" 20# FB PKR, TOH, LD 1 JT 2 3/8" EUE 4.7# J-55 WRK TBG, 8' PUP JT, & PKR.

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Operations Summary Report

Legal Well Name: HOWELL J #3R
 Common Well Name: HOWELL J #3R
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 11/13/1966
 Start: 05/19/2003 End: 05/29/2003
 Rig Release: 05/29/2003 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
05/23/2003	08:30 - 15:00	6.50	DRLG	a	OBJECT	PUMU 6 1/4" BIT, BITSUB, 4 - 3 1/2" DC'S ON 2 7/8" EUE 6.5# L-80 WRK TBG, TIH. TAG @ 155', DRILL OUT CEMENT FROM 155'- 255'. FELL THROUGH CEMENT, TIH W/ 200' TBG, CIRC HOLE CLN, TEST CSG @ 700 PSI- 15 MIN, TEST OK. TOH, LD 3 1/2" DC'S, BITSUB, & 6 1/4" BIT.
	15:00 - 16:30	1.50	TRIP	a	OBJECT	CHG OVER TO 2 3/8" TBG, TIH W/ 2 3/8" EUE 4.7# J-55 WRK TBG TO 4900'.
	16:30 - 17:30	1.00	SPOT	a	OBJECT	RU THREE RIVERS P-TRK, SPOT 600 GAL 15% HCL ACID, 3 INIHIB, ACROSS LEWIS PAY, 3975'- 4898', DISPLACE W/ 16 BBLS 2% KCL FLD, RD, RELEASE 3-RIVERS P-TRK.
05/24/2003	17:30 - 18:30	1.00	TRIP	a	OBJECT	TOH W/ 1000' 2 3/8" EUE 4.7# J-55 WRK TBG, SIW/ SDFN.
	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY, RIG CREW, AIRHAND, BR REP.
	07:15 - 09:30	2.25	TRIP	a	OBJECT	TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG.
	09:30 - 11:00	1.50	PERF	a	OBJECT	RU BWWC W/L, PERF LEWIS PAY W/ 26 HOLES, 1 SPF, 819' INTERVAL. RD W/L, RELEASE W/L.
	11:00 - 12:00	1.00	NUND	a	OBJECT	PUMU 7" 20# SCHLBR FB PKR, 15 JTS 2 7/8" EUE 6.5# FRAC TBG, 1 - 8'X 2 7/8" PUP JT. SET PKR @ 483'. NU CAMERON CIT TOOL,& FRAC VALVE (4" 5000#).
	12:00 - 15:30	3.50	WAIT	a	OBJECT	WAIT ON FRAC EQUIP.
	15:30 - 17:30	2.00	NUND	a	OBJECT	MIRU SCHLUMBERGER FRAC EQUIP. 15 MIN PREFRAC SAFETY - 28 PEOPLE ON LOCATION.
	17:30 - 19:00	1.50	FRAC	a	OBJECT	TEST LINES @ 4200 PSI. OPEN WELL, BD LEWIS PAY @ 800 PSI. EST RATE OF 15 BPM, 3000 PSI. RUN EXTENDED PAD OF 13500 GAL 65-70 QUALITY FOAMED 30# LG @ 15-25 BPM, 3000- 3180 PSI. FRAC LEWIS PAY W/ 200,000# BRADY 20/40 SAND, 1-3 PPG SAND CONE & 643 BBLS 70-75 QUALITY FOAMED 30# LG @ 15-42 BPM, 2955 TO 3180 PSI, DISPLACE W/ 28 FLD BBLS. TOTAL OF 671 FLD BBLS TO RECOVER, 1,342,400 SCF N2. ISIP= 1680 PSI. SIW AVER FG= .69
	19:00 - 20:30	1.50	NUND	a	OBJECT	RD SCHLUMBERGER FRAC EQUIP., MOVE OFF. NU 2" FB LINE TO BLOW PIT, TEST LINES. OPEN WELL ON 16/64 CHK, FWB.
05/25/2003	20:30 - 06:00	9.50	FLOW	a	OBJECT	11:00 PM- 16/64 CHK, 1300 PSI, HVY SAND, HVY FOAM. LEAVE 16/64 CHK DUE TO SAND CONTENT. 2:00 AM- 16/64 CHK, 1400 PSI, MOD-HVY SAND, HVY FLD FOAM. 5:00 AM- 1000 PSI, 16/64 CHK, HVY SAND, HVY FLD. LEAVE 16/64 CHK, FWB AS NEEDED. 8:00 AM - 24/64 CHK, 800 PSI, LIGHT SAND, HVY FLD FOAM. 11:00AM-32/64 CHK, 300 PSI, NO SAND, HVY FOAM FLD, 2:00 PM- 48/64 CHK, 150 PSI, NO SAND, MOD- HVY FLD. 5:00 PM- 2" LINE, LIGHT SURGES, NO SAND. 9:00 PM- 2" LINE, LIGHT GAS BLOW, NO FLD. SIW/ TILL TUESDAY 5/27/2003. DRY WATCH WELL.
	06:00 - 20:00	14.00	FLOW	a	CLEAN	
05/28/2003	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR REP.
	07:15 - 09:00	1.75	PULD	a	OBJECT	KW, ND FRC VALVE & CIT TOOL. RELEASE 7" 20# SCHLBR FB PKR, TOH, LD 15 JTS 2 7/8" EUE 6.5# L-80 FRC TBG, & 7" 20# FB PKR.
	09:00 - 11:00	2.00	TRIP	a	OBJECT	PUMU 3 7/8" BIT, BITSUB, ON 2 3/8" EUE 4.7# J-55 WRK TBG, TIH TO 3000', UNLOAD HOLE W/ AIRMIST, TIH W/ REMAINDER OF TBG, TAG FILL @ ,
	11:00 - 13:30	2.50	COUT	a	CLEAN	CO W/ AIRMIST TO TOP 4 1/2" CIBP @ 4925', DRILL OUT CIBP. CIRC HOLE CLN.
	13:30 - 16:00	2.50	COUT	a	CLEAN	TIH W/ 2 3/8" TBG, TAG FILL @ 5670', 69' FILL, PBTD @ 5739'. CO W/

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Operations Summary Report

Legal Well Name: HOWELL J #3R
 Common Well Name: HOWELL J #3R
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Spud Date: 11/13/1966
 Start: 05/19/2003 End: 05/29/2003
 Rig Release: 05/29/2003 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
05/28/2003	13:30 - 16:00	2.50	COUT	a	CLEAN	AIRMIST TO PBTD.
	16:00 - 06:00	14.00	BLOW	a	CLEAN	PULL TBG UP, BLOW W/ AIRMIST TO CLN WELL. RUN 4 BPH MIST W/ 4 BPH SWEEPS EVERY 2 HRS, APROX 8 MIN FOR RETURNS, APROX 6 BPH W/ 8- 10 BBL RETURNS ON SWEEPS, MOD TO HVY SAND.
05/29/2003	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR REP.
	07:15 - 11:00	3.75	COUT	a	CLEAN	TIH W/ TBG, TAG W/ 40' FILL, CO TO PBTD OF 5739'. BLOW WELL W/ AIRMIST, RECOVERING APROX 8 BWPH, MOD- HVY SAND.
	11:00 - 13:30	2.50	FLOW	a	CLEAN	PULL TBG ABOVE LINER TOP (3314') TO 3200', NAT FLOW WELL 2 HR. RECOVERING 12-15 BWPH FIRST HR, 6-8 BWPH 2 ND HR, HVY SAND.
	13:30 - 17:30	4.00	COUT	a	CLEAN	TIH W/ 2 3/8" EUE 4.7# J-55 WRK TBG, TAG W/ 15' FILL, CO W/ AIRMIST, BLOW W/ AIRMIST TO CLN WELL.
	17:30 - 06:00	12.50	BLOW	a	CLEAN	BLOW W/ AIRMIST OF 4 BWPH, RUNNING 4 BBL SWEEPS EVERY 2 HR. 6:00 PM- RECOVERING APROX 6-8 BPH LIGHT SAND ON SWEEPS, NO SAND ON MIST. 8:00 PM - LIGHT SAND ON SWEEP, NO SAND ON MIST, 4-6 BPH RECOVER. 10:00 PM - NO SAND ON SWEEP OR MIST, 4 BPH RECOVER. 12:00 AM- NO SAND, 4 BPH RECOVER. 2:00 AM - NO SAND, ONLY MIST RETURNS. 5:00 AM - SD AIRMIST, NAT FLOW.
05/30/2003	06:00 - 07:00	1.00	SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR REP.
	07:15 - 10:00	2.75	TRIP	a	OBJECT	TIH W/ WRK TBG. TAG PBTD W/ NO FILL @ 5739'. TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG, LD BITSUB & 3 7/8" BIT.
	10:00 - 11:30	1.50	TRIP	a	OBJECT	PUMU 2 3/8" BHA (30' SLOTTED 2 3/8" EUE JT TBG, 1.78 STD SN) ON 2 3/8" EUE 4.7# J-55 PROD TBG, TIH.
	11:30 - 13:00	1.50	NUND	a	OBJECT	TAG NO FILL, PULL TBG UP, LND TBG, RD RIG TONGS & FLOOR, ND 4" B-LINE & BOP, NU TREE. PREP TO TIH W/ PROD RODS.
	13:00 - 15:00	2.00	TRIP	a	OBJECT	PUMU 2"X 1 1/4"X 14" RHAC-Z ROD PUMP #BR-258 ON 1 - 1 1/4"x 25" K-BAR, 1 - 3/4" GUIDED ROD, 108 - 3/4" PLAIN RODS, 108 - GUIDED RODS, 8', 6' - 3/4" PONY RODS, 22' POLISH ROD W/ 10' LINER, RIH.
	15:00 - 16:30	1.50	NUND	a	OBJECT	SPACE OUT PUMP, HANG RODS ON PUMP UNIT HEAD, LOAD HOLE W/ 2% KCL WTR, TEST PUMP @ 500 PSI. PREP TO RD SR.
	16:30 - 18:30	2.00	RURD	a	RDMO	RD DRAKE RIG 22, RIG PUMP, & MOUNTAIN AIR PACKAGE. PREP TO MOVE TO EPNG COM 'D' #5. FINAL CSG PITOPT UP 2" LINE= 355 MCF
	18:30 -		RURD	a	RDMO	5/29/2003- RELEASE DRAKE RIG 22, RIG EQUIP., & MOUNTAIN AIR PACKAGE. TBG LND @ 5507', 1.780 STD SN @ 5474'. 176 TOTAL JTS 2 3/8" EUE 4.7# J-55 PROD TBG W/ 1 JT 2 3/8" SLOTTED TBG W/ PURGE VALVE BELOW 1.78 SN. TRANSFER 18 JTS 2 3/8" EUE TBG, 2 FRC TNKS # 424 & 429 TO EPNG COM 'D' #5 BY (TBG M&R, TNKS DAWN).
SUMMARY: MIRU SR, BWD, NDNU, TOH W/ PROD RODS & TBG, SET CIBP, TEST CSG, ISOLATE CSG LEAK, REPAIR CSG, DRILL OUT CEMENT, ADD LEWIS PAY, BD & FRAC LEWIS PAY, DO & CO TO PBTD, TIH W/ PROD TBG & RODS, NDNU, RDMO TO EPNG COM 'D' #5. FINAL PITOT UP 2", CSG = 5 OZ = 355 MCF.						
5/30/2003- RETURN TO LOCATION, CHK FENCES UP, NO TRASH,						

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Rig Release: 05/29/2003
Rig Number: 22

Spud Date: 11/13/1966
End: 05/29/2003
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
05/30/2003	18:30 -		RURD	a	RDMO	NO SPILLS, PIT EMPTY.