#### New Mexico Energy Minerals and Natural Resources Department

Form C-140 Revised 06/99

District 1 - (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

Operator and Well  Department of the properties							OGRID Number 014538	
Contac	ct Party	Leslie [	). White	Phone 505/326-9700				
Property Name HOWELL C					Well Number	·	API Number 3004522834	
UL	Section Township Range Feet From Th				Feet F	rom The	County	
ı	07	30 N	8 W.	1860 F	SL	790 FEL	SAN JUAN	
II.	Workov	er						
)ate V	Vorkover Comme	ence	3/21/2003		roducing Pool(s) (Prior to	Workover):	15 TO 11 10 11 11 10 10 10 10 10 10 10 10 10	
)ate V	Vorkover Comple	eted:	4/23/2003		FEB 2004			
		County Lesi 1. I a 2. I i av 3. To cu fo	nave made, o ailable for this the best of n rve and/or tal r this Well are	, being first of tor, or authorized recaused to be made well.  The symmetry of	e, a diligent search application and the urate.  Title <u>Sr. Accoun</u>	e Operator, of the and of the production data used to prepare tant Date 2/200	17/04	
	My C	ommission e	expires: Sep	kmber 15, 20	04	Notary Public	Tamatha Wim att	

#### BLANCO MESAVERDE

REG_DTL_D			
4/1/2002	4	4584	
5/1/2002		4926	
6/1/2002	4	4760	
7/1/2002	4	4911	
8/1/2002	4	4857	
9/1/2002	4	4686	
10/1/2002	4	4829	
11/1/2002	•	4659	
12/1/2002	•	4483	
1/1/2003	,	4186	
2/1/2003	:	3846	
3/1/2003	:	2838	
4/1/2003	•	4021	
5/1/2003		7023	
6/1/2003	;	5217	
7/1/2003		5543	

Wednesday, February 11, 2004

#### Page 1 of 4

## BURLINGTON RESOURCES O&G CO

## **Operations Summary Report**

Legal Well Name:

**HOWELL C #3A** 

Common Well Name: HOWELL C #3A

Event Name: Contractor Name:

**CAP WORKOVER DRAKE WELL SERVICE**  Start:

End: 03/21/2003

Sp ud Date: 11/28/1978 04/23/2003

Rig Release: 04/23/2003 Group:

Rig Name:		DRAKE	VVELL S		,E	Rig Release: 04/23/2003 Group: Rig Number: 22
Date	From - To	Hours	Code	Sub Code	Phase	Description of O perations
03/22/2003	06:00 - 07:00		SRIG	а	PREWRK	
	07:00 - 07:15	0.25	SAFE	а	PREWRK	PREJOB SAFETY - RIG MOVE, DAILY JO B ACTIVITY. RIG CREW, AIRHANDS, DAWN TRUCKING- 10, BR R ■ EP.
	07:15 - 13:00	5.75	MIMO	а	MIRU	ROAD RIG TO LOCATION, HELP DAWN "TRUCKING SET PUMPING UNIT, & PAD OUT OF WAY. SPOT MOUN! TAIN AIR PACKAGE, RIG
	13:00 - 14:30	1.50	DUDD			EQUIP., FRAC TANKS, & DRAKE RIG 22.
	14:30 - 16:30		RURD	a	MIRU OBJECT	RU DRAKE RIG 22, RIG EQUIP., & MOUNTAIN AIR PACKAGE.
	10.00	2.00	''''	*	OBJECT	PUMP HOT 2% KCL WATER DOWN TBG & ANNULUS TO CLEAN RODS & TBG & TOO KILL WELL. TOH W/ RODS & PUMP.
	16:30 - 17:30	1.00	NUND	a	OBJECT	ND WH. NU BOP.
03/23/2003	06:00 - 07:00	1.00	RURD	a	OBJECT	TRAVEL TO LOC. WARM UP & PRIME EQUIP.
	07:00 - 08:00	1.00	STUK	а	OBJECT	WORK STUCK DONUT FREE.
	08:00 - 09:30	1.50	TRIP	a	OBJECT	TOH W/ 2 3/8" PROD TBG.
	09:30 - 11:30	2.00	CASE	a	OBJECT	RU BLACK WARRIOR WIRELINE. RUN & SET CIBP @ 4550'. RUN GR/CCL CORRELATION STRIP FROM
	11:30 - 12:30	1 00	PUMP	a	OBJECT	4550' TO 3700'. RD W/L. LOAD HOLE W/ 160 BBL 2% KCL WATE ►.
	12:30 - 13:15	1	PRES	a	OBJECT	RUN PKR & SET @ 30'. RU THREE RIVE IRS. PRESSURE TEST
				-	00000	CASING TO 3000 PSI F/ 15 MIN. RD THR. IEE RIVERS. PULL PKR.
	13:15 - 15:30	2.25	NUND	а	OBJECT	ND BOP. TURN TBG HEAD. PT SEALS. NU BOP. SDFN.
03/25/2003	06:00 - 07:00	1.00	SRIG	а	PREWRK	ROAD CREW TO LOCATION, START RICE.
	07:00 - 07:15	0.25	SAFE	а	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY _ RIG CREW, AIRHAND, BR REP.
	07:15 - 08:30		NUND	а	OBJECT	NU TO TIH W/ 2 3/8" TBG.
	08:30 - 10:00	1	TRIP	а	OBJECT	TIH OE W/ 2 3/8" EUE 4.7# J-55 WRK TB G TO 4520'.
	10:00 - 10:30	1	SPOT	а	OBJECT	RU THREERIVER P-TRUCK, SPOT 500 GAL 15% HCL ACID ( D-INHIB. ). RD P-TRK.
	10:30 - 12:30	1	TRIP	а	OBJECT	TALLY & TOH W/ 2 3/8" TBG.
	12:30 - 14:30		NUND	а	OBJECT	RD 4" B-LINE, TONGS. PREP TO FRC WIELL. DRAIN RIG EQUIP., SERVICE RIG.
02/06/0002	14:30 - 15:00		SHDN	а	OBJECT	SIW/ WAIT ON FRAC EQUIP.
03/26/2003	07:30 - 08:30		SRIG	a	PREWRK	ROAD CREW TO LOCATION, START RICS.
	08:30 - 10:30		SRIG	а		SERVICE & STEAM CLEAN RIG & AIR PACKAGE, PREP TO FRAC WELL.
	10:30 - 12:00		PERF	а	OBJECT	RU BLACK WARRIOR W/L, PERF LEWIS PAY; 3932'- 4505' W/ 1 SPF, 25 HOLES. RD W/L.
	12:00 - 13:30		FRAC	а	OBJECT	PU, RIH W/ 7" 20# BAKER FB PKR ON 2 JTS 2 7/8" EUE 6.5# L-80 WRK TBG, SET PKR @ 65', NU CAMER N ISOLATION TOOL. MIRU BJ SERVICES FRAC EQUIP. 15 MIN PRE FRAC SAFETY - 34 PEOPLE ON LOC. TEST LINES @ 4500 PSI. MAX IPSI TREATING @ 3000 PSI. BD LEWIS PAY @ 7.5 BPM, 2240 PSI. EST RATE OF 40 BPM- 1800 PSI, START TO FRAC LEWIS PAY, 274 F OAM BBLS PUMPED, SAND STARTED W/ 1/4 PPG, CSG PSI WENT T ○ 3000 PSI, SD. SIW.
	13:30 - 15:30			a	CLEAN	NU FLOWBACK EQUIP., OPEN ON 22/64- CHK- 2000 PSI, OPEN CHK & FLOW WELL BACK AS HARD AS SAFE: LY COULD BE FLOWED.
	15:30 - 17:00	1.50	STIM	а	OBJECT	RD FLWBK LINE, TEST LINES, LOAD HOLE W/2% KCL WTR, 113 BBLS. TRY EST RATE, @ 2 BPM-3000 PSI. RELEASE PSI. RD FRAC EQUIP. ND FRC VALVE & ISOLATION TOOL, RELEASE 7" PKR, TOH W/2 7/8" FRC TBG. PREP TO TIH W/2 3/8" WRK TBG OE.
	17:00 - 19:30	2.50	TRIP	а	OBJECT	AIR. TIH, TAG @ 4450', 100' FILL. UNLOAD HOLE, PULL UP HOLE
		L		L		

#### BURLINGTON RESOURCES 0&G CO

Page 2 of 4

## **Operations Summary Report**

Legal Well Name:

**HOWELL C #3A** 

Common Well Name: HOWELL C #3A

**Event Name:** 

**CAP WORKOVER** 

Start:

03/21/2003

Spud Date: 11/28/1978

04/23/2003

End:

Contractor Name:

DRAKE WELL SERVICE

Rig Release: 04/23/2003

Group:

Rig Name:

DRAKE

Rig Number: 22

Sub Code Date From - To Hours Code Phase Description of Operations 03/26/2003 17:00 - 19:30 2.50 TRIP OBJECT 3001 19:30 - 20:00 0.50 SHDN OBJECT DRAIN RIG PUMP, SIW/ SDFN 03/27/2003 06:00 - 07:00 1.00 SRIG PREWRK la ROAD CREW TO LOCATION, START RIG. 07:00 - 07:15 0.25 SAFE PREWRK PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIR HANDS, **BR REP** 07:15 - 14:00 6.75 COUT CLEAN TIH, CO 100' FILL W/ AIRMIST TO TOP 4 1/2" CIBP W/ AIRMIST. UNLOAD HOLE W/ AIR. CHECK FOR FLUID ENTRY. NO FLD ENTRY. PULL TBG UP HOLE, SIW/ SDFN. 03/28/2003 06:00 - 07:00 1.00 SRIG ROAD CREW TO LOCATION, START RIG. PREWRK 07:00 - 08:00 1.00 BLOW я CLEAN UNLOAD HOLE W/ AIRMIST, PULL TBG UP ABOVE PROPOSED PERFS, RU THREE RIVERS P-TRK, SPOT 500 GAL 15% HCL ACID, D- INHIBITED. RD P-TRK. 08:00 - 09:00 1.00 TRIP TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG. OBJECT 09:00 - 10:30 1.50 PERF а OBJECT RU BWWC W/L, PERF LEWIS PAY W/ 25 HOLES, 1 SPF@ 3932'-4505', RD W/L. 10:30 - 11:30 1.00 NUND OBJECT PU, RIH W/ 7" 20# BAKER FB PKR & 2 JTS 2 7/8" EUE 6.5# L-80 FRAC TBG W/ 8' PUP JT. SET PKR @ 68', NU CAMERON ISOLATION TOOL, & 4" 5000# FRAC VALVE. 11:30 - 13:00 1.50 FRAC OBJECT RU BJ SERVICES FRAC EQUIP. 15 MIN PREFRAC SAFETY MEETING- 25 PEOPLE ON LOCATION. BULLHEAD 1500 GAL 15% HCL ACID AHEAD, BD LEWIS PAY @ 1560 PSI- 25 BPM. FRAC LEWIS PAY W/ 65,000# ARIZONA 20/40 SAND, 1/4-1 PPG SAND CONE, & 525 BBLS 72- 85 QUALITY FOAMED SLK WTR @ 44 BPM-1930 PSI. MAX OF 48 BPM- 1974 PSI, MIN OF 40 BPM- 1667 PSI. DISPLACE W/ 43 FLD BBLS. TOTAL FLD TO RECOVER = 570 BBLS. TOTAL N2= 1,110,000 SCF N2. ISIP= 1200 PSI. 13:00 - 14:00 1.00 NUND CLEAN RD FRAC EQUIP., NU FLOWBACK LINE TO BLOW PIT. OPEN WELL ON 16/64 CHK- 1100 PSI, FWB. 14:00 - 06:00 16.00 FLOW CLEAN FWB AS PER SCHEDULE. 5:00 PM - 850 PSI, 24/64 CHK, HVY FOAM FLD, LIGHT SAND. 10:00 PM - 465 PSI, 32/64 CHK, HVY FOAM FLD, LIGHT SAND. 2:00 AM, 120 PSI, HVY FOAM FLD, LIGHT SURGES, NO SAND. 5:00 AM - 2" LINE, LIGHT BLOW, NO FLD, NO SAND. 03/29/2003 06:00 - 07:00 1.00 SRIG ROAD CREW TO LOCATION, START RIG. **PREWRK** 07:00 - 07:15 0.25 SAFE PREWRK PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIR HANDS, TOOL HAND, CIT HAND, BR REP. 07:15 - 09:00 1.75 NUND OBJECT KW, ND FRAC VALVE, CIT, RELEASE 7" 20# BAKER FB PKR, TOH. LD 2 JTS 2 7/8" EUE 6.5# L-80 FRAC TBG & PKR. PREP TO TIH W/ WRK TBG. 09:00 - 11:00 2.00 TRIP **OBJECT** PUMU 3 7/8" BIT, BITSUB ON 2 3/8" EUE: 4.7# J-55 WRK TBG, TIH W/ 3000' TBG, UNLOAD HOLE W/ AIR, TIH 🕪/ TBG, TAG @ 11:00 - 17:30 6.50 COUT CLEAN CO W/ AIRMIST TO TOP 4 1/2" CIBP @ 4:550'. BLOW W/ AIRMIST. 17:30 - 06:00 12.50 COUT CLEAN PULL TBG UP HOLE APROX 150', BLOW WELL AROUND, DRAIN RIG EQUIP., SDSR. BLOW W/ AIRMIST. 5:00 AM - RECOVERING APROX 8 BWPH, LIGHT SAND. 03/30/2003 06:00 - 06:00 24.00 COUT CLEAN BLOW W/AIRMIST. 5:00 PM- RECOVERING APROX 4-6 BWPH, TRACE OF SAND. 5:00 AM- RECOVERING APROX 2-4 BWPH, TRACE SAND. 03/31/2003 06:00 - 06:00 24.00 BLOW CLEAN BLOW WELL W/ AIRMIST, ALTERNATE, FLOW WELL NAT, 5:00 AM-BLOW WELL 1 HR, FLOW WELL NAT 2 HIR, RECOVERING APROX 2-3 BWPH, TRACE SAND. 04/01/2003 06:00 - 07:00 1.00 SRIG ROAD CREW TO LOCATION, START RIG. PREWRK 07:00 - 07:15 0.25 SAFE PREWRK PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR а REP.

Printed: 02/11/2004 4:05:02 PM

#### Page 3 of 4

# BURLINGTON RESOURCES O&G CO

## **Operations Summary Report**

Legal Well Name:

**HOWELL C #3A** 

Common Well Name: HOWELL C #3A

**Event Name:** Contractor Name:

**CAP WORKOVER** 

DRAKE WELL SERVICE

Start:

03/21/2003

Spud Date: 11/28/1978 End: 04/23/2003

Rig Release: 04/23/2003 Group:

Rig Name		DRAKE	WELL S	SERVI	CE	Rig Release: 04/23/2003 Group: Rig Number: 22
Date	From - To	Hours	Code	Sub Code		Description of Operations
04/01/2003	07:15 - 09:30	2.25	DRLG	а	CLEAN	TIH, TAG W/ 12' FILL, CO TO TOP 4 1/2" CIBP @ 4550', DRILL OUT
	09:30 - 12:00	2.50	TRIP	a	CLEAN	CIBP. CIRC CLN W/ AIRMIST. TIH W/ WRK TBG, TAG @ 5640', CO W/ AIRMIST TO PBTD OF 5673'.
•	12:00 - 13:30	1.50	TRIP	а	OBJECT	33' FILL. TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG, LD 3 7/8" BIT & BITSUB.
	13:30 - 15:30	2.00	TRIP	а	OBJECT	CHG OUT BHA, PU, TIH W/ PURGE VLVE, PERF JT, 1.78 ID STD-SN, & 178 JTS 2 3/8" EUE 4.7# J-55 PROD TBG.
	15:30 - 17:30	2.00	NUND	а	OBJECT	TAG FOR FILL, NO FILL, PULL TBG UP. LND TBG @ 5541', RD
	17:30 - 18:30	1.00	BLOW	a	CLEAN	FLOOR, TONGS, & 4" B- LINE. ND BOP, NU TREE. BLOW W/ AIRMIST TO CLN WELL. DRAIN RIG & AIR EQUIP., SIW/
04/02/2003	06:00 - 07:00	1.00	SRIG	а	PREWRK	SDFN ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15		SAFE	а	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY, & RURD SAFETY, RIG
	07:15 - 09:00	1.75	TRIP	a	OBJECT	BWD, PUMU 2"X 14' ROD PUMP, 1 KBAR, 1 G-ROD, 83 P-RODS, 134
	09:00 - 11:00	2.00	NUND	a	OR IECT	GUIDE-RODS, 4' PONY ROD, POLISH ROD W/ 10' LINER.
		2.00	NOND	a	OBJECT	SPACE OUT ROD PUMP, CLAMP OFF POLISH ROD. LOAD HOLE, TEST PUMP @ 500 PSI, TEST OK. CHG OVER TO TBG EQUIP., PREP TO RD SERV. RIG.
	11:00 - 12:00	1.00	RURD	а	RDMO	RD DRAKE RIG 22, RIG EQUIP., & MOUNTAIN AIR PACK PREP TO
	12:00 -		RURD	a	RDMO	MOVE TO HOWELL C #4A. RESPOT PUMPING UNIT MOVE TO HOWELL 'C' #4A. TRANSFER 16 JTS 2 3/8", 2
		ļ		-		BURLINGTON FRC TNKS # 424 & 429 TO HOWELL 'C' #4A BY M&R
	l	}		ļ		RUCKING. TBG LND @ 5541', 1,78 STID - SEAT NIPPLE @ 5508'
						TOTAL OF 179 JTS 2 3/8" EUE 4.7# J-55 TBG IN HOLE. TOTAL OF 218 - 3/4" "D" RODS ON HOLE.
						SUMMARY; MIRU SR, BWD, NDNU, TOH W/ PROD TBG & PROD
				)		RODS, SET CIBP ABOVE EXISTING PERFS. RUN CCI & GRIDGID
						HOLE W/ 2% KCL WTR, TEST CSG. ROTATE WELLHEAD RETEST
						SEALS, SPOT ACID, PERF, FRAC LEWIS PAY. CO TO PBTD, TIH W/PROD TBG, RODS. SPACE OUT, NDNU, RDMO TO HOWELL 'C' #4A
4/23/2003	06:00 - 07:00		SRIG	а	PREWRK	4/1/2003- 13:30 PM, CHK LOCATION, FENCE UP, LOCATION CLN. ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25		а		PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHANDS,
	07:15 - 09:00	, , , ,				KIG MOVE HANDS, BR REP.
	09:00 - 11:00			a a	OBJECT OBJECT	MISR, SPOT RIG, RU DRAKE RIG 22.
		2.00	""	a	OBJECT	SPOT RIG EQUIP., & AIRPACK, PULL HEAD OFF PUMPING UNIT, BD
						TBG PSI, UNSEAT ROD PUMP, TOH W/ PROD 3/4" RODS, LD ROD PUMP. (22' PR W/ 10' LINER, 1- 4'X 3/4" PONY ROD, 134 - 3/4" 'D'
						RODS W/ GUIDES, 83 - 3/4" 'D' RODS PILAIN. 1 - 3/4" 'D' ROD W/
	11:00 - 15:00	4.00	MUNIO	_	00.50	GUIDE, 25X 1.25" K-BAR, 14' ROD PUMIP ).
	10.00	4.00	NUND	а	OBJECT	RU TO TOH W/ PROD 2 3/8" TBG. LAY 2" LINE TO BLOW PIT BLOW
			1			CSG DOWN, ND TREE, NU BOP, RU FLOOR & TONGS. PULL TBG
			ï			HANGER. TIH W/ 2 3/8" TBG, TAG FOR FILL, NO FILL. RELND TBG, RD FLOOR & TONGS, ND BOP, NU TREE, RU TO TIH W/ PROD
	15:00 - 16:30	1.50	TRIP		00.505	RODS.
	10.00	1.30	IRIP	a	OBJECT	PU, TIH W/ 14' X 1 1/2"X 2" PROD PUMP, 1 - 25'X 1 1/4" K-BAR, 1 - 3/4"
	1					'D' ROD GUIDED, 83 - 3/4" 'D' RODS PLAIN, 134 - 'D' RODS GUIDED, 4'X 3/4" PONY ROD, 22' PR W/ 10' LINER.
	16:30 - 18:00	1.50	NUND	a	OBJECT	SPACE OUT PUMP, PU PUMPING UNIT HEAD, INSTALL, HANG
ļ		}				WELL ON, LOAD HOLE, TEST PUMP. LEAVE UNIT RUNNING
İ		- 1	I			

#### **BURLINGTON RESOURCES 0&G CO**

Page 4 of 4

## **Operations Summary Report**

Legal Well Name:

**HOWELL C#3A** 

Common Well Name: HOWELL C #3A

Event Name:

**CAP WORKOVER** 

RURD

Sub

**RDMO** 

Start:

03/21/2003

Spud Date: 11/28/1978

End:

04/23/2003

Contractor Name:

DRAKE WELL SERVICE

Rig Release: 04/23/2003 Rig Number: 22

Group:

Rig	Name:	

DRAKE

09:30 -

From - To Hours Date Code Phase Code 04/23/2003 16:30 - 18:00 1.50 NUND **OBJECT** 04/24/2003 06:00 - 07:00 1.00 SRIG PREWRK 07:00 - 07:15 0.25 SAFE **PREWRK** 07:15 - 09:30 2.25 RURD **RDMO** 

OVERNIGHT, SDFN ROAD CREW TO LOCATION, START RIG.

PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHAND, BR

Description of Operations

CHK PUMP ACTION, RDSR, RIG EQUIP., & AIRPACK. PREP TO

MOVE.

4/23/2003- 9:30 AM, RELEASE DRAKE RIG 22, RIG EQUIP., & MOUNTAIN AIR PACKAGE. TRANSFER 14 JTS 2 3/8" EUE 4.7# J-55 TBG TO HOWELL 'K' # 4A BY M&R TRUCKING, RODS & TBG LANDED SAME AS PREVIOUS, TBG @ 5541', 1.78 STD SN @ 5508'.B

SUMMARY; MIRU SR, NDNU, TOH W/ PROD RODS, NDNU, TAG FOR FILL, LND TBG, NDNU, CHG ROD PUMP, TIH W/ PROD RODS, HANG WELL ON, CHK PUMP, RDMO TO HOWELL 'K' #4A.

4/23/2003- CHK LOCATION, FREE OF SPILLS, TRASH, & FENCES