

New Mexico
Energy Minerals and Natural Resources Department

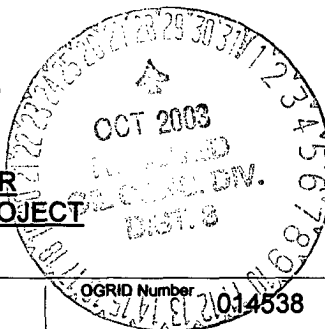
Form C-140
Revised 06/99

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 1014538	
Contact Party Leslie D. White					Phone 505/326-9700	
Property Name HOWELL A			Well Number 1A		API Number 3004521729	
UL	Section	Township	Range	Feet From The	Feet From The	County
I	08	30 N	8 W	1682 FSL	990 FEL	SAN JUAN

II. Workover

Date Workover Commence + 3/10/2003	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 3/19/2003	

- 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.		
<u>Leslie D. White</u> , 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>10/22/03</u>
SUBSCRIBED AND SWORN TO before me this <u>22</u> day of <u>October</u> , <u>2003</u> .		
My Commission expires: <u>September 16, 2004</u>		Notary Public <u>Tamatha Wrisatt</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 3/19/03.

Signature District Supervisor <u>75.8</u>	OCD District <u>3</u>	Date <u>12/6/03</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

BLANCO MESAVERDE

REG_DTL_D

3/1/2002	5282
4/1/2002	8448
5/1/2002	5021
6/1/2002	4801
7/1/2002	4725
8/1/2002	5254
9/1/2002	4828
10/1/2002	5034
11/1/2002	4382
12/1/2002	4501
1/1/2003	4129
2/1/2003	4142
3/1/2003	1268
4/1/2003	10133
5/1/2003	7968
6/1/2003	7325

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Operations Summary Report

Legal Well Name: HOWELL A #1A
 Common Well Name: HOWELL A #1A
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 03/10/2003 Spud Date: 04/22/1975
 End: 03/19/2003
 Rig Release: 03/19/2003 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/11/2003	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 - RIG MOVE, DAILY JOB ACTIVITY. RIG CREW, AIRHANDS, DAWN TRUCKING- 10, BR REP.
	07:15 - 13:00	5.75	MIMO	a	MIRU	ROAD SR TO LOCATION, HELP DAWN TRUCKING SET PUMPING UNIT, & PAD OUT OF WAY. SPOT MOUNTAIN AIR PACKAGE, RIG EQUIP., FRAC TANKS, & DRAKE RIG 22. PREP TO RU SR.
	13:00 - 15:30	2.50	RURD	a	MIRU	RU DRAKE RIG 22, RIG EQUIP., & MOUNTAIN AIR PACKAGE.
03/12/2003	15:30 - 17:30	2.00	TRIP	a	OBJECT	CHK PSI TBG @ 15 PSI, CSG @ 80 PSI, BWD. NU TO TOH W/ RODS & PUMP, TOH. 229 - 3/4" RODS, K-BAR, PUMP. NOTE: RODS HAD HVY PARIFFIN.
	17:30 - 18:00	0.50	SHDN	a	OBJECT	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	NUND	a	OBJECT	CHK PSI TBG @ 15 PSI, CSG @ 50 PSI, BWD, CHG OVER TO TOH W/ PROD TBG, ND TREE, NU BOP. LAY 4" B-LINE TO BLOW PIT.
	09:00 - 10:00	1.00	HOTO	a	OBJECT	RU MOTEE HO UNIT, PUMP 40 BBLS HOT 2% KCL WTR DOWN TBG FOR PARIFFIN PROBLEMS. RD MOTEE.
	10:00 - 12:00	2.00	TRIP	a	OBJECT	TALLY & TOH W/ 2 3/8" EUE 4.7# J-55 PROD TBG. TOTAL OF 179 JTS. = 5674'
	12:00 - 15:30	3.50	CASE	a	OBJECT	RU BLACK WARRIOR W/L, RIH W/ 4 1/2" G-RING, REHEAD W/L CABLE, RIH, SET 4 1/2" CIBP @ 4785'. RUN CBL & GR LOGS FROM 4790' TO TOP OF LINER @ 3295'. RD W/L.
	15:30 - 17:00	1.50	DISP	a	OBJECT	RU RIG PUMP, LOAD HOLE W/ 2% KCL WTR. TEST W/ RIG PUMP @ 1500 PSI, TEST OK. RELEASE PSI.
	17:00 - 18:00	1.00	SHDN	a	OBJECT	SIW/ DRAIN RIG PUMP, SDFN
03/13/2003	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, WH MAN, BR REP.
	07:15 - 10:00	2.75	NUND	a	OBJECT	CHK PSI @ 0, ND BOP, ND CSG WELLHEAD, ROTATE WH TO SQUARE UP W/ LOCATION, NU CSG HEAD, TEST WH. NU BOP.
	10:00 - 11:30	1.50	PRES	a	OBJECT	PUMU 7" 23# BAKER FB PKR ON 2 7/8" EUE L-80 6.5# TBG, TIH 60', SET PKR. RU THREE RIVER TRUCKING PUMP TRUCK, TEST CSG @ 3000 PSI- 15 MIN. TEST OK. RELEASE PSI, RELEASE PKR, TOH, LD PKR.
03/14/2003	11:30 - 14:00	2.50	SHDN	a	OBJECT	PREP TO FRAC WELL, SIW/ DRAIN RIG PUMP, SERVICE RIG. 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, AIRHANDS, TOOL HAND, W/L CREW, BR REP.
	07:15 - 09:00	1.75	PERF	a	OBJECT	MIRU BLACK WARRIOR W/L, PERF LEWIS PAY; 4028' - 4753', 25 HOLES @ 1 SPF. RD W/L, HOLD W/L TILL BD PERFS. PU RIH W/ 7" 23# BAKER FB PKR ON 2 JTS 2 7/8" EUE 6.5# L-80 TBG & 8' PUP JT W/ ISOLATION TOOL, SET PKR.
	09:00 - 10:30	1.50	MIMO	a	OBJECT	MIRU SCHLUMBERGER FRAC EQUIP., NU TO FRAC. PREFRAC SAFETY- 28 PEOPLE ON LOCATION.
	10:30 - 12:30	2.00	STIM	a	OBJECT	TRY TO BD LEWIS PAY, COULD NOT ESTABLISH ENOUGH OF A RATE TO FRAC.
	12:30 - 14:00	1.50	SPOT	a	OBJECT	RU BLOWBACK LINE, FWB. RU BLACK WARRIOR W/L, SPOT ACID ACROSS LOWER PERFS. RD W/L.
	14:00 - 16:00	2.00	STIM	a	OBJECT	RU FRAC EQUIP., TRY BD LEWIS PAY, RD FRAC EQUIP.
	16:00 - 18:00	2.00	TRIP	a	OBJECT	RELEASE 7" 23# BAKER FB PKR, TOH, LD PKR. CHG OVER TO 2 3/8" EUE TBG, TIH HOLE OE W/ 2 3/8" EUE 4.7# J-55 WRK TBG.

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Operations Summary Report

Legal Well Name: HOWELL A #1A
 Common Well Name: HOWELL A #1A
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 03/10/2003
 Rig Release: 03/19/2003
 Spud Date: 04/22/1975
 End: 03/19/2003
 Group:
 Rig Number: 22

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/14/2003	18:00 - 18:30	0.50	SHDN	a	OBJECT	SIW/ SDFN.
03/15/2003	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 - 32 PEOPLE ON LOCATION, BD W/ ACID, FRAC SAFETY, MIMO SAFETY.
	07:15 - 08:00	0.75	SPOT	a	OBJECT	RU FRAC EQUIP., SPOT 1000 GAL 15% HCL ACID ACROSS LEWIS PERFS; 4028' - 4753'. RD EQUIP.
	08:00 - 09:30	1.50	TRIP	a	OBJECT	TOH W/ 2 3/8" EUE 4.7# J-55 WRK TBG.
	09:30 - 11:30	2.00	FRAC	a	OBJECT	PU, RIH W/ 7" 23# BAKER FB PKR. & CAMERON ISOLATION TOOL. SET PKR, RU SCHLUMBERGER FRAC EQUIP. 15 MIN PREFRAC SAFETY. BD LEWIS PAY @ 1552 PSI, 8 BPM. EST INJ RATE, PUMP 500 GAL 15% HCL ACID AHEAD OF FRAC, FRAC W/ 65,000# BRADY 20/40 SAND, 1/4- 1 PPG SAND CONE, & 557 BBLs 65- 80 QUALITY FOAMED SLK WTR @ 2360 PSI - 44 BPM, MAX OF 2600 PSI- 48 BPM, MIN OF 2240 PSI- 40 BPM. DISPLAC W/ 43 FLD BBLs. TOTAL OF 600 BBLs FLD, 1,152,400 SCF N2. ISIP= 1868 PSI.
	11:30 - 12:30	1.00	NUND	a	OBJECT	RD FRAC EQUIP., NU FLOWBACK LINE TO BLOW PIT. OPEN WELL ON 16/64 CHK, 1800 PSI, FWB.
	12:30 - 06:00	17.50	FLOW	a	OBJECT	FWB AS DIRECTED, 3:00 PM- CHG TO 24/64 CHK, 1250 PSI, HVY MIST, LIGHT SAND. 7:00 PM- CHG TO 32/64 CHK, HVY FOAM MIST, 420 PSI, LIGHT SAND. 11:00 PM- CHG TO 48/64 CHK, 150 PSI, MOD FOAM MIST, NO SAND. 3:00 AM- CHG TO 2" LINE, 10-20 PSI, FLUX/ FLD, NO SAND. 5:00 AM- 2" LINE SCATTERED FLD, NO SAND.
03/16/2003	06:00 - 07:00	1.00	TRIP	a	PREWRK	ROAD CREW TO LOCATION, START RIG.
	07:00 - 07:15	0.25	SAFE	a	PREWRK	PREJOB SAFETY - DAILY JOB ACTIVITY. RIG CREW, AIRHANDS, BR REP.
	07:15 - 10:00	2.75	FLOW	a	CLEAN	FWB ON 2" LINE.
	10:00 - 11:30	1.50	NUND	a	OBJECT	KW, ND FLOWBACK EQUIP., PREP TO TIH W/ 2 3/8" WRK TBG.
	11:30 - 13:00	1.50	TRIP	a	OBJECT	PUMU 3 7/8" BIT ON 2 3/8" EUE 4.7# J-55 WRK TBG, TIH. TAG FILL @ 4680'.
	13:00 - 17:00	4.00	COUT	a	CLEAN	CO W/ AIRMIST TO TOP 4 1/2" CIBP @ 4785', CIRC CLN.
03/17/2003	17:00 - 06:00	13.00	BLOW	a	CLEAN	BLOW W/ AIRMIST TO CLN WELLBORE, RECOVERING APROX 8-10 BWPB, LIGHT SAND.
03/18/2003	06:00 - 07:00	1.00	RURD	a	CLEAN	ROAD CREW TO LOCATION, START RIG. BLOW W/ AIRMIST TO CLN WELLBORE, RECOVERING APROX 4 BWPB, TRACE SAND.
	07:00 - 08:00	1.00	BLOW	a	CLEAN	TRAVEL TO LOC. WARM UP & PRIME EQUIP.
	08:00 - 10:00	2.00	MILL	a	CLEAN	BLOWING WELL CLEAN @ CIBP @ 4790'.
	10:00 - 12:00	2.00	MILL	a	CLEAN	MILL UP CIBP @ 4790'.
	12:00 - 17:00	5.00	BLOW	a	CLEAN	TIH. TAG JUNK FROM CIBP 40' FROM PBTD. MILL ON JUNK. CLEAN OUT TO PBTD @ 5767.
	17:00 - 06:00	13.00	BLOW	a	CLEAN	BLOW WELL CLEAN @ PBTD @ 5767'. RUNNING 3-4 BBL WATER SWEEPS. RETURNING LIGHT SAND ON SWEEPS.
03/19/2003						BLOW CLEAN OVERNIGHT. RETURNING 2-3 BPH OVER MIST RATE W/ TRACE SAND.
	06:00 - 07:00	1.00	RURD	a	CLEAN	TRAVEL TO LOC. WARM UP & PRIME EQUIP.
	07:00 - 17:00	10.00	FLOW	a	CLEAN	ALTERNATE BETWEEN 2 HR NATURAL FLOW & 1 HR UNLOADING & BLOWING WELL. TRYING TO LOG OFF ON NATURAL FLOW. RETURNING 1-12 BBL FLUID ON UNLOAD W/ LT/MOD SAND. EACH CYCLE GETTING CLEANER.
03/20/2003	17:00 - 06:00	13.00	FLOW	a	CLEAN	CONT' SAME CYCLE OVERNIGHT. 7'-8" FLARE ON NATURAL FLOW. RETURNING 4-5 BBL FLUID ON UNLOAD W/ NO SAND.
	06:00 - 07:00	1.00	RURD	a	CLEAN	TRAVEL TO LOC. WARM UP & PRIME EQUIP.
	07:00 - 08:00	1.00	BLOW	a	CLEAN	BLOWING CLEAN @ PBTD. RETURNING HVY MIST W/ NO SAND.
	08:00 - 09:30	1.50	TRIP	a	CLEAN	TOH W/ MILL.

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Operations Summary Report

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 Common Well Name: HOWELL A #1A
 Event Name: CAP WORKOVER
 Contractor Name: DRAKE WELL SERVICE
 Rig Name: DRAKE

Start: 03/10/2003
 Rig Release: 03/19/2003
 Rig Number: 22

Spud Date: 04/22/1975
 End: 03/19/2003
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/20/2003	09:30 - 12:00	2.50	TRIP	a	CLEAN	PU BHA. TIH W/ 2 3/8" PROD TBG. BROACH TBG EVERY 2000'. RAN 2 3/8" PURGE VALVE, 2 3/8" X 16" PUP JT; 2 3/8" X 6' PERF SUB; 2 3/8" X 1,780" ID SEATING NIPPLE & 179 JTS 2 3/8", 4.7#, J-55, EUE, 8RD TBG. LAND @ 5687' KB. ND BOP. NU WELLHEAD. RUN PUMP & RODS. SEAT PUMP & SPACE OUT. PRESSURE TEST TBG & PUMP SEAT TO 500 PSI. OK. RD EQUIP.
	12:00 - 13:00	1.00	NUND	a	CLEAN	
	13:00 - 14:30	1.50	TRIP	a	CLEAN	
	14:30 - 15:30	1.00	PRES	a	CLEAN	
	15:30 - 17:00	1.50	RURD	a	CLEAN	