

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

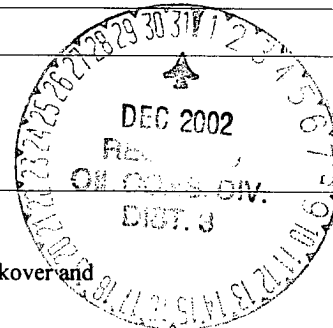
I. Operator and Well

Operator name address Burlington Resources Oil and Gas Co. LPPO Box 4289, Farmington, NM 87499					OGRID Number 014538	
Contact Party Peggy Cole					Phone 505/326-9700	
Property Name HOWELL D			Well Number 1		API Number 3004510250	
UL	Section	Township	Range	Feet From The	Feet From The	County
M	28	31 N	8 W	990 FSL	990 FWL	SAN JUAN

II. Workover

Date Workover Commence 1/31/2002	Previous Producing Pool(s) (Prior to Workover): BLANCO MESAVERDE
Date Workover Completed: 2/6/2002	

- 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>12-27-02</u>
SUBSCRIBED AND SWORN TO before me this <u>27</u> day of <u>December</u> , 2002.		
My Commission expires:		Notary Public
<u>September 15, 2004</u>		<u>Tamatha Wimsatt</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 02-06, 2002.

Signature District Supervisor <u>Charlie Herron</u>	OCD District <u>AZTEC III</u>	Date <u>01-09-2003</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

REG_DTL_D

BLANCO MESAVERDE

2/1/2001	4279
3/1/2001	4541
4/1/2001	4375
5/1/2001	4560
6/1/2001	4726
7/1/2001	5195
8/1/2001	5859
9/1/2001	8286
10/1/2001	8555
11/1/2001	7073
12/1/2001	5656
1/1/2002	4140
2/1/2002	5184
3/1/2002	7046
4/1/2002	6783
5/1/2002	6161

Operations Summary Report

Legal Well Name: HOWELL D #1

Common Well Name: HOWELL D #1

Event Name: LOE WORK

Contractor Name: TJR WELL SERVICE

Rig Name: TJR

Start: 1/31/2002

Rig Release: 2/6/2002

Rig Number: 2

Spud Date: 6/7/1951

End: 2/6/2002

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/1/2002	11:45 - 14:45	3.00	RURD	a	OBJECT	MOVE IN TJR RIG NO. 2 FROM TURNER B COM NO. 250. RIG UP UNIT.
	14:45 - 15:00	0.25	RURD	a	OBJECT	UNHANG RODS. LAY DOWN POLISH ROD. NO EVIDENCE OF PARAFFIN.
	15:00 - 15:45	0.75	FISH	a	OBJECT	ATTEMPT TO UNSEAT PUMP. PULL 20K OVER. JAR UP AND DOWN. NO MOVEMENT OF PUMP BARREL.
	15:45 - 16:30	0.75	SRIG	a	OBJECT	UNABLE TO FIND BACK OFF TOOL ON RIG. TOOL PUSHER INSISTS IT IS ON THE RIG. CREW AND RIG SUPERVISOR LOOK THROUGH ALL TOOL BOXES. TOO LATE TO HAVE A REPLACEMENT DELIVERED.
	16:30 - 16:45	0.25	RURD	a	OBJECT	INSTALL POLISH ROD AND STUFFING BOX TO SHUT WELL IN FOR NIGHT.
2/4/2002	16:45 - 06:00	13.25	SHDN	a	OBJECT	SHUT IN FOR NIGHT
	06:00 - 07:00	1.00	SHDN	a	OBJECT	CONTINUE SHUT IN FOR NIGHT.
	07:00 - 07:30	0.50	SRIG	a	OBJECT	SERVICE RIG & WARM UP. SAFETY MEETING - ROD BACK OFF OPERATIONS.
	07:30 - 07:45	0.25	TRIP	a	OBJECT	ATTEMPT TO JAR PUMP LOOSE. ON 8TH LICK, PUMP UNSEATED. NO ROD DAMAGE. TUBING BLOWING.
	07:45 - 10:00	2.25	TRIP	a	OBJECT	TRIP OUT OF HOLE WITH RODS & PUMP. RECOVER 22'PR W/ LINER, 4', 8', 6' - 3/4" SUBS, 99 - 3/4" GUIDED RODS, 120 - 3/4" SLICK RODS, 3 - 3/4" GUIDED RODS, SPIRAL ROD GUIDE W/ LIFT SUB, O/O TOOL, 2X 1 1/4X10X14 RHAC, 1"X10' STINGER, SMALL PIECE OF SAND SCREEN. ALL OF SCREEN SECTION (8') LEFT IN MUD ANCHOR. MODERATE AMOUNT OF LOOSE FLAKY SCALE. RODS ARE IN GOOD SHAPE. NO PARAFFIN.
	10:00 - 11:45	1.75	SRIG	a	OBJECT	STANDING VALVE DROPPED. READY TO PUMP, BUT CAN'T GET RIG PUMP STARTED.
	11:45 - 12:45	1.00	NUND	a	OBJECT	NIPPLE DOWN WELL HEAD. NIPPLE UP BOP AND STRIPPING RUBBER.
	12:45 - 13:00	0.25	TRIP	a	OBJECT	TAG FILL WITH 47' OF TUBING. END OF TUBING WAS REPORTED AT 5654.69'KB. FILL AT 5701.69'KB. PBTD IS 5731'. 30' OF FILL.
	13:00 - 16:00	3.00	TRIP	a	OBJECT	TRIP OUT OF HOLE W/ TUBING. REC 179 JTS 2 3/8", SN, 8', 8' - SUBS, PS, 31.76' BPMA. 109TH JOINT WAS ROD CUT. LAY DOWN 107, 108, 109, 110 & 111TH JOINTS. SCALE INSIDE TUBING. UNABLE TO GET SAND SCREEN PIECES OUT OF MUD ANCHOR. MUD ANCHOR FULL OF FRAC SAND. EOT WAS 5657.73'KB. FILL IS 5704.73'KB. BOTTOM PERF IS 5720'. PBTD IS 5731'.
	16:00 - 16:30	0.50	RURD	a	OBJECT	SECURE WELL FOR WEEKEND SHUT DOWN.
2/5/2002	16:30 - 06:00	13.50	SHDN	a	OBJECT	SHUT DOWN FOR WEEKEND.
	06:00 - 07:00	1.00	SAFE	a	OBJECT	ROAD CREW TO LOC.- 5 MIN. SAFETY MEETING- TOPIC: WORKING AROUND SANDLINE & BAILER
	07:00 - 11:00	4.00	COUT	a	OBJECT	ND STRIPPER- RU BAILER- C/OUT W/ SANDLINE BAILER- REC. APPROX. 2 1/2 GAL. SAND- RD BAILER- NU STRIPPER
	11:00 - 13:00	2.00	TRIP	a	OBJECT	PU FLAPPER VALVE- 2' PUP JT.- FLAPPER VALVE- 6 STDS. OF CAVITY- BAILER- 1 STD- DRAIN SUB- 169 JTS. 2 3/8" TBG.- TIH- TAG FILL @ 5704
	13:00 - 14:00	1.00	COUT	a	OBJECT	C/OUT APPROX. 27' FILL W/ TBG. BAILER TO PBTD @ 5731
	14:00 - 16:00	2.00	TRIP	a	OBJECT	POH W/ TBG.- C/OUT APPROX. 120' OF SAND IN TBG.- LD BAILER
	16:00 - 17:30	1.50	TRIP	a	OBJECT	PU PROD. BHA- TIH W/ PROD. TBG.- LAND TBG. W/ SN @ SAME DEPTH- SDFN RAN: PURGE VALVE @ 5657.88 1 JT 2 3/8" TBG 2- 8' PUP JTS

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Rig Number: 2

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Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/5/2002	16:00 - 17:30	1.50	TRIP	a	OBJECT	4' PERF SUB SN @ 5604 179 JTS. 2 3/8" J-55 4.7# EUE TBG X-FER 6 JTS. TO JUNK- LEFT ON LOC. X-FER 6 JTS. COND B 2 3/8" TBG. TO WELL F/ BR STOCK
2/6/2002	06:00 - 07:00	1.00	SAFE	a	OBJECT	ROAD CREW TO LOC.- 5 MIN. SAFETY MEETING- TOPIC: WORK AROUND PUMP & PRESS. LINES SAFELY
	07:00 - 08:00	1.00	RURD	a	OBJECT	RU PUMP & LINES-
	08:00 - 08:30	0.50	PUMP	a	OBJECT	DROP STD. VALVE-PUMP 30 BBLS. PW DOWN TBG.- ON VAC.
	08:30 - 11:00	2.50	TRIP	a	OBJECT	POH W/ PROD. TBG.- FOUND HOLE @ APPROX. 4171' - LD JT. W/ HOLE & JTS. ABOVE & BELOW
	11:00 - 14:00	3.00	TRIP	a	OBJECT	TIH W/ PROD. TBG.- TEST EVERY 10 STDS TO 600 PSI- NO MORE HOLES
	14:00 - 14:30	0.50	FISH	a	OBJECT	FISH STD. VALVE W/ SANDLINE- PARTED SANDLINE- LEFT APPROX. 500' IN HOLE
	14:30 - 17:00	2.50	TRIP	a	OBJECT	POH W/ 2 3/8" PROD. TBG.- WET STRING- CUT & STRIP SANDLINE IN 9 STDS TBG.- REC. STD. VALVE- PCS. OF SCALE PARTIALLY PLUGGED STD. VALVE
	17:00 - 17:30	0.50	TRIP	a	OBJECT	TIH W/ PROD. BHA- 29 STDS. PROD. TBG.
	17:30 - 18:00	0.50	RURD	a	OBJECT	DRAIN PUMP & LINES- SDFN
2/7/2002	06:00 - 07:00	1.00	SAFE	a	OBJECT	ROAD CREW TO LOC.- 5 MIN. SAFETY MEETING- TOPIC: CK & BLEEDING OFF PRESS. ON WELLHEAD
	07:00 - 08:30	1.50	TRIP	a	OBJECT	FINISH TIH W/ PROD. TBG.-
	08:30 - 10:00	1.50	NUND	a	OBJECT	LAND TBG.- ND BOP- NU B-1 FLANGE & PUMPING TEE
	10:00 - 12:00	2.00	TRIP	a	OBJECT	CK PUMP ACTION- TIH W/ PUMP & RODS- RAN: 2"X 1 1/4"X 14' RHAC-Z W/ 8' SAND SCREEN- B/O TOOL- SPIRAL ROD GUIDE- 1"X1' LIFT SUB 1- 25'X 3/4" SINKER BAR 3- 3/4" GUIDED RODS 45- 3/4" PLAIN RODS 45- 3/4" GUIDED RODS 75- 3/4" PLAIN RODS 54- 3/4" GUIDED RODS 8', 8', 4' 3/4" PONY RODS 1 1/4"X 22' POLISH ROD W/ LINER NOTE: MOVED 45 GUIDED RODS ACROSS AREA IN TBG. W/ ROD WEAR
	12:00 - 14:00	2.00	RURD	a	OBJECT	SEAT PUMP- LOAD & TEST TBG. TO 500 PSI- PUMP WON'T PUMP- LONG STROKE PUMP- UNSEAT PUMP- FLUSH TBG. W/ 12 BBLS. PW- RE- SEAT PUMP- LOAD TBG.- CK PUMP ACTION- OK- HANG RODS ON PUMPING UNIT
	14:00 - 15:30	1.50	RURD	a	OBJECT	RU P/U & PUMP LOC. CLEAN- FENCE UP AROUND PUMPING UNIT RE-RAN TBG. & SN IN SAME PLACE NOTE: X/FER 9 JTS. 2 3/8" TBG. TO JUNK- LEFT ON LOC. X/FER 9 JTS. 2 3/8" COND B TBG. TO WELL F/ BR STOCK DEL. 20 JTS. 2 3/8" COND B TBG. TO LOC. F/ BR YARD- KEPT ON RIG