

New Mexico  
Energy Minerals and Natural Resources Department

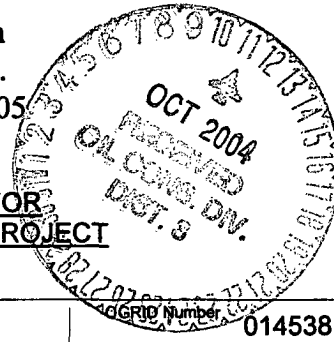
Form C-140  
Revised 06/99

**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 <b>Burlington Resources Oil and Gas Co. LP</b> <b>Box 4289, Farmington, NM 87499</b>				Well Number <b>41</b>		API Number <b>3004521356</b>	
Contact Party <b>Leslie D. White</b>				Phone <b>505/326-9700</b>			
Property Name <b>ALLISON UNIT NP</b>				Well Number <b>41</b>		API Number <b>3004521356</b>	
UL <b>K</b>	Section <b>29</b>	Township <b>32N</b>	Range <b>6W</b>	Feet From The <b>1500 FSL</b>	Feet From The <b>1600 FWL</b>	County <b>San Juan</b>	

**II. Workover**

Date Workover Commenced <b>3/5/2004</b>	Previous Producing Pool(s) (Prior to Workover):  <b>BLANCO MESAVERDE</b>
Date Workover Completed: <b>3/11/2004</b>	

- 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> )		
) ss.		
County of <u>San Juan</u> )		
<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>10/7/04</u>
SUBSCRIBED AND SWORN TO before me this <u>7th</u> day of <u>October</u> , <u>2004</u> .		
My Commission expires: <u>9/15/2008</u>		Notary Public <u>Patricia L. Chugh</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 5/11/04.

Signature District Supervisor <u>35.8</u>	OCD District <u>3</u>	Date <u>10/11/04</u>
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**VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:**

## BLANCO MESAVERDE

REG\_DTL\_D

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03/01/2003	4151
04/01/2003	4738
05/01/2003	4157
06/01/2003	3682
07/01/2003	4023
08/01/2003	4738
09/01/2003	4235
10/01/2003	4293
11/01/2003	4309
12/01/2003	4141
01/01/2004	4217
02/01/2004	3622
03/01/2004	3251
04/01/2004	6177
05/01/2004	4695
06/01/2004	4239

## Operations Summary Report

Legal Well Name: ALLISON UNIT NP #41  
 Common Well Name: ALLISON UNIT NP #41  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 12/05/1972  
 Start: 03/04/2004 End: 03/10/2004  
 Rig Release: 03/10/2004 Group:  
 Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/05/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON RU RIG & EQUIP , RIG CREW , AIR HANDS , RU DRIVERS & PUSHER , CONSULTANT WERE PRESENT .
	07:00 - 08:00	1.00	MIMO	a	MIRU	ROAD RIG FROM ALLISON # 10 TO ALLISON NP # 41 .
	08:00 - 10:00	2.00	RURD	a	MIRU	SPOT IN RIG RAMP , PUT RIG ON RAMP & STAND UP DERRICK .
	10:00 - 13:30	3.50	RURD	a	MIRU	SPOT IN & RU REST OF EQUIP , LAY FLOWLINES . CSG HAD 200 PSI , TBG HAD 120 PSI , BH WAS DEAD .
	13:30 - 15:00	1.50	NUND	a	MIRU	ND TREE , NU BOP .
	15:00 - 17:30	2.50	TRIP	a	OBJECT	TOOH W/ TBG , TALLY SAME .
	17:30 - 18:00	0.50	SHDN	a	OBJECT	SHUT & LOCK BLINDS , DRAIN UP EQUIP , PU TOOLS & LOC , FUEL UP RIG , SDFD .
03/06/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON PINCH POINTS & RU WL , RIG CREW , WL HANDS WERE PRESENT .
	07:00 - 07:30	0.50	CASE	a	OBJECT	RU WIRELINE , RIH & SET 4 1/2" CIBP @ 5456' , POOH .
	07:30 - 08:30	1.00	PUMP	a	OBJECT	LOAD HOLE W/ 2% KCL .
	08:30 - 11:00	2.50	CASE	a	OBJECT	RIH W/ GR/CCL/CBL , LOG FROM 5450' TO 3500' , POOH RD WL .
	11:00 - 11:30	0.50	TRIP	a	OBJECT	TIH W/ 4 1/2" FULLBORE PKR & SET @ 1012' .
	11:30 - 12:15	0.75	PRES	a	OBJECT	PRESS TEST CSG TO 3000 PSI , TESTED GOOD , PRESS TEST ANNULUS TO 200 PSI , TESTED GOOD .
	12:15 - 12:45	0.50	TRIP	a	OBJECT	TOOH W/ PKR .
	12:45 - 14:00	1.25	PERF	a	OBJECT	RU WIRELINE , RIH W/ 3 1/8" HSC CSG GUN , LOADED W/ TITAN 321T 10 GM CHARGES , PERF LEWIS FROM 4594',96',4606',08',12',14',4700',02',04',06',38',40',42',52' 55',62',4812',14',64',72',74',4996',98',5000',02' , @ 1 SPF FOR A TOTAL OF 25 HOLES , POOH , RD WL .
	14:00 - 15:00	1.00	TRIP	a	OBJECT	RIH W/ 4 1/2" FULLBORE PKR & 2 7/8" FRAC STRING , SET PKR @ 1022' .
	15:00 - 15:30	0.50	PRES	a	OBJECT	NU FRAC MANDERAL , FRAC VALVE , FRAC - Y , SHUT PIPE RAMS , PUT 200 PSI ON BACKSIDE .
03/07/2004	15:30 - 16:00	0.50	SHDN	a	OBJECT	LOCK PIPE RAMS , SHUT IN FRAC VALVE , DRAIN UP EQUIP , PU TOOLS & LOC , SDFD .
	06:00 - 10:30	4.50	RURD	a	OBJECT	TRAV TO LOC , SPOT IN & RU FRAC EQUIP .
	10:30 - 11:00	0.50	SAFE	a	OBJECT	HOLD SAFETY MEETING ON FRACING , FRAC CREW , FRAC CONSULTANT , RIG CREW , PKR HAND , CONSULTANT WERE PRESENT . PRESS TEST LINES TO 7000 PSI , TESSTED GOOD .
	11:00 - 12:15	1.25	FRAC	a	OBJECT	BREAKDOWN PERFS @ 850 PSI @ 5 BPM , SPEARHEAD 1000 GALS OF 15% HCL , PUMPED 10,500 GAL 75 QUALITY FOAM PAD @ 45 TO 50 BPM @ 4480 TO 4720 PSI , PUMPED APPROX 200,000# 20/40 ARIZONA SAND @ 1 - 3 PPG SAND CONC @ 45 TO 34 BPM , DISPLACE W/ 14 FLUID BBLs & 24,700 SCF N2 , TOTAL FLUID TO RECOVER 602 BBLs , TOTAL N2 1,470,700 SCF , AVG RATE 40 BPM , MAX 50 , MIN 34 BPM , AVG PRESS 4700 , MAX 5120 , MIN 4480 , ISIP 2000 PSI .
	12:15 - 14:00	1.75	RURD	a	OBJECT	RD FRAC LINE , RU FLOWLINE & TEST W/ WELL PRESS TESTED GOOD . WAIT FOR FRAC CREW TO LEAVE LOC TO BEGIN FLOWBACK .
	14:00 - 06:00	16.00	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE MANIFOLD . 16/64" CHOKE UNTIL FLUID CAME TO SURFACE . 14:30 , 10/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 1800 PSI . 19:30 , 12/64" CHOKE , MAKING HEAVY MIST , LIGHT SAND @ 1700 PSI . 21:30 , 14/64" CHOKE , MAKING HEAVY MIST , LIGHT SAND @ 1500 PSI .

## Operations Summary Report

Legal Well Name: ALLISON UNIT NP #41  
 Common Well Name: ALLISON UNIT NP #41  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Spud Date: 12/05/1972  
 Start: 03/04/2004 End: 03/10/2004  
 Rig Release: 03/10/2004 Group:  
 Rig Number: 449

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/07/2004	14:00 - 06:00	16.00	FLOW	a	CLEAN	23:30 , 16/64" CHOKE , MAKING HEAVY MIST , LIGHT SAND @ 1450 PSI . 01:30 , 18/64" CHOKE , MAKING HEAVY MIST , LIGHT SAND @ 1100 PSI .03:30 , 20/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 800 PSI
03/08/2004	06:00 - 06:00	24.00	FLOW	a	CLEAN	05:30 , 24/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 550 PSI . FLOW FRAC BACK THRU CHOKE MANIFOLD . 24/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 400 PSI . 10:00 , 32/64" CHOKE , MAKING HEAVY MIST , NO SAND @ 300 PSI . 14:00 , 48/64" CHOKE , MAKING HEAVY TO MODERATE MIST , NO SAND @ 150 PSI .
03/09/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON LAYING DOWN FRAC STRING , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 10:30	3.50	FLOW	a	CLEAN	FLOW FRAC BACK THRU CHOKE MANIFOLD ON 48/64" CHOKE & 2" LINE , MAKING HEAVY TO MODERATE MIST , LIGHT SAND @ 200 TO 75 PSI .
	10:30 - 11:00	0.50	NUND	a	OBJECT	KILL WELL W/ 2% KCL , ND FRAC VALVE & FRAC MANDERAL , UNSET PKR .
	11:00 - 13:30	2.50	TRIP	a	OBJECT	POOH W/ PKR , LAYING DOWN 2 7/8" FRAC STRING , CHANGE OUT SLIPS , ELEV , RAMS TO 2 3/8" .
	13:30 - 14:00	0.50	TRIP	a	OBJECT	TIH W/ 3 7/8" JUNK MILL , TAG UP @ 5360' , CIBP @ 5456' , HAD 96' OF FILL .
	14:00 - 06:00	16.00	BLOW	a	CLEAN	CO TO TOP OF CIBP W/ AIR MIST , MAKING 8 TO 12 BPH OF H2O & FOAM , 1 TO 5 CUPS OF SAND .
03/10/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON MILLING OUT CIBP , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 07:15	0.25	TRIP	a	OBJECT	SHORT TIH , TAG UP @ 5446' , PBD @ 5456' , HAD 10' OF FILL .
	07:15 - 09:00	1.75	BLOW	a	CLEAN	CO TO TOP OF CIBP & EST 15 BPH MIST RATE .
	09:00 - 11:15	2.25	MILL	a	CLEAN	MO CIBP @ 5456' .
	11:15 - 13:00	1.75	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 6 BPH OF H2O & 1/2 CUP OF SAND .
						HAD ENVIROMENTAL MEETING W/ AZTEC WELL SAFETY REP .
	13:00 - 14:00	1.00	TRIP	a	OBJECT	HANG BACK SWIVEL , TIH W/ MILL TO 6100' PBD .
	14:00 - 15:30	1.50	TRIP	a	OBJECT	TOOH W/ MILL .
	15:30 - 17:00	1.50	TRIP	a	OBJECT	TIH W/ EXC , 1 JT OF 2 3/8" TBG , 1.78" ID SEAT NIPPLE REST OF TBG TO 5970' .
	17:00 - 20:00	3.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 7 BPH OF H2O , 1/2 TO 1 CUP OF SAND .
	20:00 - 00:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 5 BPH OF H2O , 1/2 CUP OF SAND .
	00:00 - 02:00	2.00	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 7 BPH OF H2O , 1/2 TO 1 CUP OF SAND .
	02:00 - 06:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 5 BPH OF H2O , 1/2 CUP OF SAND
03/11/2004	06:00 - 07:00	1.00	SAFE	a	OBJECT	TRAV TO LOC , START RIG , HOLD SAFETY MEETING ON RD RIG & EQUIP , RIG CREW , AIR HAND , CONSULTANT WERE PRESENT .
	07:00 - 07:15	0.25	TRIP	a	OBJECT	SHORT TIH , TAG UP @ 6090' , PBD @ 6100' , HAD 10' OF FILL .
	07:15 - 09:00	1.75	BLOW	a	CLEAN	BLOW W/ AIR MIST , MAKING 5 TO 7 BPH OF H2O , 1/2 TO 1 CUP OF SAND .
	09:00 - 13:00	4.00	FLOW	a	CLEAN	FLOW WELL NATURAL , MAKING 4 TO 5 BPH OF H2O , 1/4 CUP TO TRACE OF SAND .

## Operations Summary Report

Legal Well Name: ALLISON UNIT NP #41  
 Common Well Name: ALLISON UNIT NP #41  
 Event Name: CAP WORKOVER  
 Contractor Name: AZTEC WELL SERVICE  
 Rig Name: AZTEC

Start: 03/04/2004  
 Rig Release: 03/10/2004  
 Rig Number: 449

Spud Date: 12/05/1972  
 End: 03/10/2004  
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
03/11/2004	13:00 - 15:00	2.00	BLOW	a	CLEAN	SHORT TIH , TAG UP @ 6097' , HAD 3' OF FILL , CO W/ AIR MIST , MAKING 5 TO 7 BPH OF H2O , 1/2 CUP TO TRACE OF SAND .
	15:00 - 15:30	0.50	BRCH	a	OBJECT	BROACH TBG TO SEAT NIPPLE .
	15:30 - 16:00	0.50	NUND	a	OBJECT	LAND ORIGINAL TBG IN ORIGINAL SPOT , ND BOP , NU TREE .
	16:00 - 17:00	1.00	PRES	a	OBJECT	PRESS TEST TBG TO 500 PSI , TESTED GOOD , PUMP OFF EXC , REV UP TBG .
	17:00 - 18:00	1.00	RURD	a	RDMO	RD RIG & EQUIP , MOVE RIG TO ALLISON # 52 . TAKE PITOT READING 15 MIN 10 OZ , 30 MIN 11 OZ , 45 MIN 11 OZ , 60 MIN 11 OZ = 514 MCF ON 2" LINE . SUMMARY , MOL , RU RIG & EQUIP , ND TREE , NU BOP TOOH W/ TBG , RU WL , RIH & SET 4 1/2" CIBP , RIH W/ BOND LOG , TIH W/ PKR , TEST CSG , TESTED GOOD , TOOH W/ PKR , RIH & PERF LEWIS , RIH W/ PKR & FRAC STRING , FOAM FRAC LEWIS , FLOW FRAC BACK , POOH W/ PKR & FS , TIH W/ MILL , CO LEWIS , MO CIBP CO TO PBTD , TOOH W/ MILL , TIH W/ EXC , BROACH TBG TO SEAT NIPPLE , LAND TBG , ND BOP , NU TREE , PUMP OFF EXC , REV UP TBG , RD RIG & EQUIP , MOL TO ALLISON UNIT # 52 .