

District I - (505) 393-6161  
1625 N. French Dr. Hobbs, NM 88240  
District II - (505) 448-1283  
1301 W. Grand Avenue, Artesia, NM 88210  
District III - (505) 384-6188  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV - (505) 476-3440  
1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy Minerals and Natural Resources Department

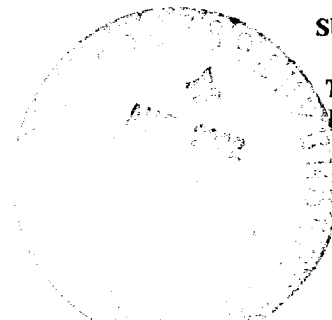
Form C-140

Revised 06/99

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 Rio Chama Petroleum 462 Lewis St. PO Box 3027 Pagosa Springs, CO						OGRID Number 160560		
Contact Party Craig Creel						Phone 970-264-0170		
Property Name Jicarilla Joint Venture KD				Well Number 1		API Number 30-039-21426		
UL P	Section 4	Township 23N	Range 03W	Feet From The 990	North/South Line South	Feet From The 800	East/West Line East	County Rio Arriba

II. Workover

Date Workover Commenced: 10/9/01	Previous Producing Pool(s) (Prior to Workover): W. Lindrith Gallup Dakota
Date Workover Completed: 11/9/01	

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 Colorado )  
County of Archuleta ) ss.

Jeffrey W. Hudson, being first duly sworn, upon oath states:

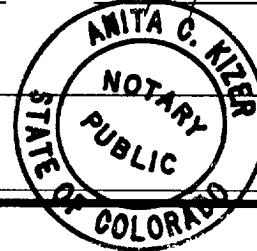
1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Jeffrey W. Hudson  
SUBSCRIBED AND SWORN TO before me this 7th day of August, 2002

Title Senior Engineer

Date 8/7/02

Anita C. Kizer  
Notary Public



My Commission expires: 08/07/05

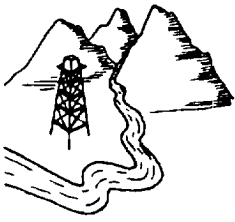
FOR OIL CONSERVATION DIVISION USE ONLY:

VI. 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 on 11-09-2001.

Signature District Supervisor <u>Charlie T. Lerman</u>	OCD District <u>AZTEC III</u>	Date <u>08-08-2002</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: \_\_\_\_\_



# *Rio Chama Petroleum, Inc.*

August 6, 2002

Re: Workover Procedure for Jicarilla JV KD #1

On October 9, 2001 we commenced to clean out the wellbore, repair casing, and return the Gallup/Dakota completion to production in the Jicarilla Joint Venture KD #1 well. We finished the completion on February 1, 2002. Attached, please find the graphical illustration of the historical production and a table with historical production from January 2000 through June 2002. Production for the 12 months prior to the workover (November 2000 through October 2001) averaged 133 Mscf/month and no oil production. Post workover production for the last 5 months (February 2002 through June 2002) averaged 659 Mscf/month and 39 STB/month oil production.

Phone: 970-264-0170

P.O. Box 3027  
Pagosa Springs, CO 81147

Fax: 970-264-0171

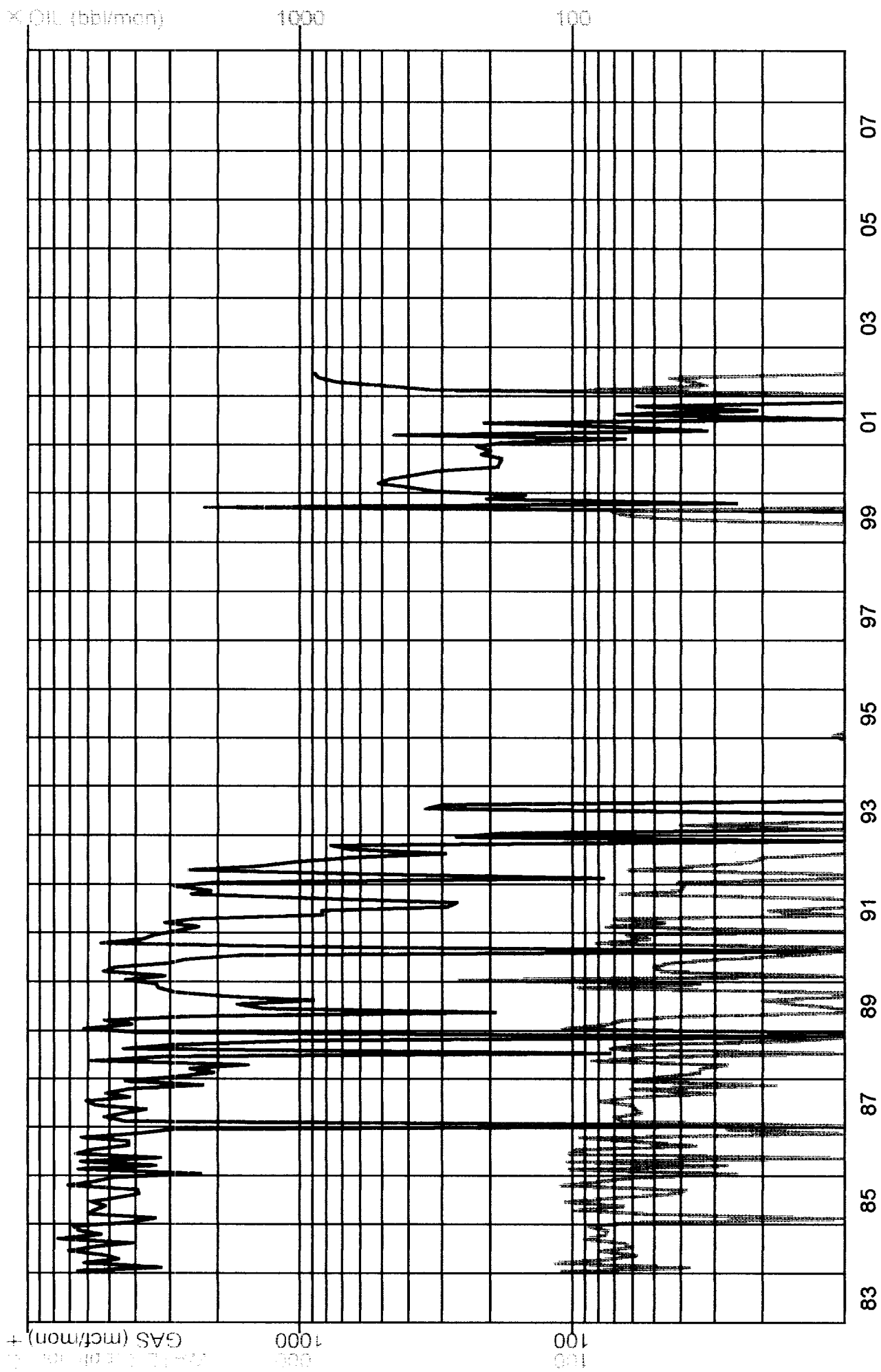
Daily Workover Report  
Jicarilla JV KD #1  
Repair Csg Hole

10/09/01	MIRU. POOH w/ 2 3/8 tbg. Notice paraffin inside of tbg. at 20 stands.
10/10/01	Finish POOH w/ 118 stands of 2 3/7 tbg. NU BOP
10/11/01	TIH w/ 12 stands and circulate. Tbg. almost completely filled w/mud and sand
10/12/01	TIH w/ 6 stands and wash pipe. Pipe very plugged w/ mud and sand
10/15/01	TIH w/ 3 stands and wash. WO water truck. TIH w/ 3 more stands and wash. Start POOH w/ tbg.
10/16/01	Finish POOH w/ tbg. TIH w/ Baker RBP and packer on 83 stands tbg. Try to set. Will not set. Pump 40 bbl wtr down backside. Set plug and test to 500#. Test OK
10/17/01	TIH and latch and release RBP. TIH w/ tbg. POOH w/ tbg. TIH w/ 10 stands
10/18/01	RU BWWC. Set CIBP @ 7316'. RD BWWC. Load hole w/ fresh wtr. TIH w/ Baker packer and tbg. Set packer @ 5738' and test below packer to 500#. Test OK. Test backside to 500#. Test OK. POOH and set packer @ 4733'. Test to 500# - OK. POOH and pressure test every 10 stand. All tests OK. Test @ 1979' -OK. Test @ 1797' - OK. POOH until 1 stand in hole. Pressure test to 500# - OK
10/19/01	MU bit sub & 3 7/8" mill. TIH w/ mill and tbg to 6870'. Pressure surge well to 1200#. Pressure test well to 500#. Well lost 500# in 3 min. Repeat pressure test with same results. POOH w/ tbg & mill. RIH w/ 20 stand kill string.
10/22/01	TIH w/ packer and tbg to 4723'. Test to 500# - OK. POOH w/ tbg to 1879', set packer and test - OK. POOH to 1789', set packer and test - NO TEST. Repeat pressure test @ 1789' - NO TEST. POOH w/ tbg and packer. TIH w/ RBP and packer to 1789'. Set plug and pressure test - NO TEST. Move plug up 30' and test - NO TEST. Move plug up 60' and test - NO TEST. POOH w/ packer, plug and tbg.
10/23/01	RU RBP and packer. TIH 60' below surface, set plug and test - NO TEST. Repeat several times w/ no test. POOH. TIH w/ 3 7/8" mill and tbg to 7268'.
10/24/01	TIH to top of CIBP @ 7316'. Mill on CIBP. POOH w/ 2 stand tbg. Swivel broke
10/25/01	Tried to circulate. No circulation. WO water truck. Break circulation and TIH to CIBP. Mill on CIBP @ 7316' TIH to clean out rat hole. Clean out rat hole. POOH 5 stands
10/26/01	TIH and tag junk. Mill on plug (?) for 9 hrs. POOH 5 stands
10/27/01	WO water trucks. Run hard line from production tank to pump. POOH 5 stands
10/30/01	Pull 90 bbls of wtr from Prod tank and mix w/ KCL. WO more KCL. Mix 10 more sacks of KCL
10/31/01	Establish circulation and pump 110 bbl KCL wtr. Mill on junk for 5 hrs. Pump broke down. Swap out pump for rental.
11/01/01	Pump 280 bbls to get circulation. WO water 5 hrs
11/02/01	Mill and circulate on junk. Clean out to 7511' Circulate hole clean. POOH and tally tbg. & mill
11/03/01	TIH w/ tbg and mill. Clean out rat hole. POOH w/ tbg and mill

11/05/01	TIH w/ packer and tbg. Set packer @ 2000' and hang tbg. in donut. RD floor and RU for swabbing.
11/06/01	Swab on well for 3 ½ hrs. Get kink in sand line. SD
11/07/01	Splice sand line. Swab on well. Recover 15 bbl wtr.
11/08/01	Swab on well. Recover 80 bbl wtr.
11/09/01	Swab on well. RD MO

JICARILLA JV KD 1  
RIO ARRIBA,NM  
Major Phase: OIL

Rio Chama Petroleum, Inc.  
LINDRITH GALLUP-DAKOTA, WEST



Proj GAS Cum: 1,086.67 mmcf

Proj OIL Cum: 22.48 mbbl  
RCP Owned