



Date:

Time Sent:

10-13-94 11:15 Am

This transmission
consists of:

pages

Notes:

CHARLIE Gholson

AMOC

ARREC

FAX Number

FAX Operator's Number for Confirmation

FROM

R.J. CANDELARIA

APC

STOC

FAX Telephone Number

Voice Telephone Number

Mail Code

**RECOMPLETION PROCEDURE
CHAVEZ GAS COM D 1E - Run 36
BASIN DAKOTA → PICTURED CLIFFS
SRBU - SAN JUAN OC
September 28, 1994**

Purpose:

This well is a single completion Dakota well. It is in a good location for recompletion to the Pictured Cliffs horizon. Despite a repair in 1993, liquid loading has made Dakota production intermittent and prohibitively expensive. The Dakota has been shut in for several months. Although the well has recovered only approx 98 MMCF, it appears that nearly all the recoverable reserves have been produced from the Dakota and that horizon will be P&Aed.

This procedure will P&A the Dakota and recomplete the Chavez Gas Com D 1E to the Pictured Cliffs.

Please call Stan Kolodzie at ext. 4769 in Denver if you have any questions.

Current Production:

0 MCFD

Estimated Cost:

\$ 105,000 (Gross)

Anticipated Production:

150 MCFD

Estimated Payoff:

30 mos

REQUIRED PERMITS AND APPROVALS BEFORE WORKOVER CAN BEGIN

(Check off as permits are received)

BLM

<> Surface Disturbance - No Permit Required

No surface disturbance is anticipated.

<> Wellbore Changes - PERMIT REQUIRED

Isolation of the Dakota and recompletion to the Pictured Cliffs horizon will require a permit.

<> Produced Gas - No Permit Required

Produced gas will be handled as before the workover.

DEQ

<> Surface Discharge - No Permit Required

No surface discharge is anticipated.

NOTES:

Current Well Fiac No. = 97590201

Elev. Reference: 5672 GL

Amoco WI = 1.000

Total Royalty = 0.120

Dakota depths are based on the Geathart-Owen Compensated Density Sidewall Neutron Porosity log dated 10/16/79. A copy of the pertinent intervals is attached.

RECEIVED
OCT 13 1994
OIL CON. DIV.
DIST. 3

Recompletion
Chavez GC D1E - Run 38
September 28, 1994

Procedures:

1. Move in rig. Rig Up. Nipple up blowout preventer.
2. Control or kill well with 2% KCl water. The volume of kill fluid lost to the Dakota is not critical - the Dakota is to be P&Aed.
3. Pull Dakota 2 3/8" tubing string.
4. Run 4 1/2" bit and scraper and clean out to top Dakota perf at 6671'.
5. Run CBL from top of Dakota perfs at 6671' to approx 2100' to determine the TOC for the production casing.
6. Run cement retainer and set retainer between 6571' and 6621'. Squeeze Dakota perfs through retainer.
7. Determine TOC and free point of 4 1/2" casing from CBL.
8. Spot the P&A fluid and the cement plugs necessary to abandon the 4 1/2" casing to a depth both above the free point of the casing and above the 7" casing shoe at 2703'. Top cement plug must also be below the lowest Pictured Cliffs pay interval at 2392'.
9. Back off 4 1/2" casing above top P&A cement plug.
10. Run 7" CIBP and set above top joint of 4 1/2" casing. Cover CIBP with 50' of cement.
11. Perforate the following Pictured Cliffs intervals with 3 1/8" casing gun, 2 JSPF, 120 degree phasing.

2315 -- 2366	104 shots
2370 -- 2392	46 shots
	150 shots total

STIMULATION

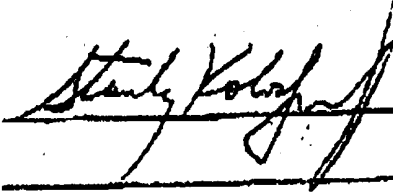
12. The Pictured Cliffs will be fracture stimulated in a manner similar to the Johnston Com B /PC/ 2. Refer to the attached frac schedule for details.
13. Run 2 3/8" tubing to bottom of Pictured Cliffs perfs. Kick well off with nitrogen or air unit. Swab well in if necessary. Flow well to atmosphere for 2 hours against 150 psi back pressure to estimate flow rate for completion report.

Recompletion
Chavez GC D1E - Run 36
September 28, 1994

14. Remove BOP. Hook up well to production equipment. Return to production.

AUTHORIZATIONS

ENGINEER



PRODUCTION FOREMAN

WORKOVER FOREMAN

CHAVEZ GAS COM D #1E
Location - 3J-29N-9W
Basin Dakota
Orig. Completion - 12/79
Last File Update - 5/90

BOT OF 5.625 IN OD CSA 317
TGC - SURF

QA AT 943
KI-FL AT 1275

PG AT 2310

BOT OF 7 IN OD CSA 2703, 20 LB/FT
TGC - 9 SKS

CH AT 3830
MI AT 4090

PL AT 4555

GP AT 5680

QK AT 6685

2SPF PERF 6671-6798

BOT OF 2.375 IN OD TBG AT 6724
FRAC 103M GAL FLD 256M# SNO

6864-6981

FRAC 152M GAL FLD 381M# SNO

PBTD AT 6971 FT.

TOTAL DEPTH 6992 FT.

BOT OF 4.5 IN OD CSA 6992
TGC - 11.6 LB/FT, W/470 SKS

FILENAME:
WGT6971

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer D-3, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30045 23724		1 Pool Code 72359		1 Well Name Blanco Pictured Cliffs		
1 Property Code		1 Property Name Chavez Gas Com "D"			1 Well Number 1E	
1 OGRID No. 000778		1 Operator Name Amoco Production Company			1 Elevation 5672' GL	

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	3	29N	9 W	J	1560	South	1760	East	San Juan

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres 223.40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16						17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <i>Lois Raeburn</i> Signature Lois Raeburn Printed Name Business Assistant Title 11/28/94 Date
						18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Aug 1, 1979 Date of Survey Signature and Seal of Professional Surveyor: On File 3950 Certificate

ACCEPTED FOR RECORD
DEC 08 1994
FARMINGTON DISTRICT OFFICE

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	3004523724
5. Indicate Type of Lease	STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>		7. Lease Name or Unit Agreement Name CHAVEZ GAS COM D
b. Type of Completion: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/> OTHER <input type="checkbox"/> RECOMPLETE <input type="checkbox"/>		8. Well No. 1 E
2. Name of Operator AMOCO PRODUCTION COMPANY		9. Pool name or Wildcat BLANCO PICTURED CLIFFS
3. Address of Operator P.O. Box 800 Denver Colorado 80201		
4. Well Location Unit Letter J : 1560 Feet From The SOUTH Line and 1760 Feet From The EAST Line Section 3 Township 29N Range 9W NMPM SAN JUAN County		
10. Date Spudded 10-05-79	11. Date T.D. Reached 10-17-79	12. Date Compl. (Ready to Prod.) 10-27-94
13. Elevations (DF & RKB, RT, GR, etc.) 5672' gl	14. Elev. Casinghead	
15. Total Depth 6992'	16. Plug Back T.D. 2430'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By Rotary Tools YES Cable Tools NO	19. Producing Interval(s), of this completion - Top, Bottom, Name 2315' - 2392' Pictured Cliffs	
20. Was Directional Survey Made N		21. Type Electric and Other Logs Run CBL
22. Was Well Cored N		

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32.3#	317'	12 1/4"	325 sks	0
7"	20.0#	2703'	8 3/4"	450 sks	0
4 1/2"	11.6#	6992	6 1/4"	470sks	0

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	2392'	
26. Perforation record (interval, size, and number)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.			
See Attached				DEPTH INTERVAL			
				AMOUNT AND KIND MATERIAL USED			
				See Attached			
OIL CON. DIV.							

28. Date First Production 10-26-94		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING				Well Status (Prod. or Shut-in) SI WF PIPELINE	
Date of Test 24 Jan 1995	Hours Tested 10 HRS	Choke Size 32/64	Prod'n For Test Period	Oil - Bbl. 0	Gas - MCF 10	Water - Bbl. 0	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure 155 PSI	Calculated 24-Hour Rate	Oil - Bbl. 0	Gas - MCF 10	Water - Bbl. 0	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) TO BE SOLD						Test Witnessed By	
30. List Attachments							
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
Signature <i>Lois R Raeburn</i>		Printed Name LOIS RAEBURN		Title Business Assistant		Date	

③

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy	T. Canyon	T. Ojo Alamo	943	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	1275	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	2310	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	3930	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	4090	T. Madison
T. Queen	T. Silurian	T. Point Lookout	4555	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	4700	T. McCracken
T. San Andres	T. Simpson	T. Gallup	5680	T. Ignacio Otzte
T. Glorieta	T. McKee	Base Greenhorn	6620	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	6650	T.
T. Blinebry	T. Gr. Wash	T. Morrison		T.
T. Tubb	T. Delaware Sand	T. Todilto		T.
T. Drinkard	T. Bone Springs	T. Entrada		T.
T. Abo	T.	T. Wingate		T.
T. Wolfcamp	T.	T. Chinle		T.
T. Penn	T.	T. Permian		T.
T. Cisco (Bough C)	T.	T. Penn "A"		T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
No. 2, from.....to.....
No. 3, from.....to.....
No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology

From	To	Thickness in Feet	Lithology

Chavez Gas Com D 1 E API 300452324 J 1560 FSL 920 FEL Sec. 3 Township 29 N R 9W

On 10/14/94 RAN CBL FROM 12' TO 6581', TOP OF CMT @ 2670', CMT DK PERFS W/ 50 SKS CL "B" CMT, SPOT 50 SKS CL "B" CMT ON TOP RET. TOP OF CMT @ 6531'. SQZ DK PERFS W/ 50 SKS CL B CMT, TEST TO 900 PSI, SET cibp @ 3830' SPOT 14 SKS NEAT CMT ON bp TOC @ 3780' CMT TOP FOR 7" @ 580', CIBP SET @ 2480'. SPOT 50' OF CMT 2480 - 2430' ON CIBP. PBD 2430'.

PERFS , 2315' - 2392' , W/2 JSPF , .450 " DIAM. TOTAL 156 SHOTS OPEN.

FRAC: PICTURED CLIFFS FORMATION 2315'- 2392', PAD W/ 175 BBLS, 70 QUAL FOAM, FRAC W/ 470 BBLS, 70 QUAL N2 FOAM & 16,000 LBS 16/30 BRADY SAND, FLUSH W/ 15 BBLS N2 FLLUID. BREAKDOWN MAX PSI: 1033 PSI, MAX RATE 18.0 BPM.

TOH W/ TBG AND PKR, TIH, RUN 2 3/8 " TBG AND LAND @ 2361' RDSUMO ON 10/27/94.

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Revised February 21, 1994

Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address Amoco Production Company P. O. Box 800 Denver, Colorado 80201		OGRID Number 000778
		Reason for Filing Code RC
API Number 30 - 045 23724	Pool Name Blanco Pictured Cliffs	Pool Code 72359
Property Code 000370	Property Name CHAVEZ GAS COM "D"	Well Number 1 E

II. Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
J	3	29N	9 W	J	1560	South	1760	East	San Juan

Bottom Hole Location

UI. or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P									
Use Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
007057	EPNG P. O. Box 4990 Farmington, NM 87499	169030		

RECEIVED
MAR - 1 1995

IV. Produced Water

POD 169050	POD ULSTR Location and Description OIL CON. DIV. DIST. 3
---------------	----------------------------------------------------------------

V. Well Completion Data

Spud Date	Ready Date	TD	PHD	Perforations
10 5 79	10 20 94	6992'	2430'	2315' - 2392'
Hole Size	Casing & Tubing Size	Depth Set	Sacks Cement	
12 1/4"	9 5/8"	317	325 sx	
8 3/4"	7"	2703'	450 sx	
6 1/4"	4 1/2"	6992'	470 sx	
Tubing	2 3/8"	2392'		

VI. Well Test Data

Date New Oil	Gas Delivery Date	Test Date	Test Length	Tbg. Pressure	Csg. Pressure
		Jan 24, 1995	10 Hrs		155 PSI
Choke Size	Oil	Water	Gas	AOF	Test Method
32/64	0	10	0		

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Lois Raeburn*

Printed name: Lois Raeburn

Title: Business Assistant

Date: 11 4 94

Phone: (303) 830-5294

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY ERNIE BUSCH

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 3

Approval Date: MAR 1 0 1995

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature

Printed Name

Title

Date

New Mexico Oil Conservation Division
C-104 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT

Report all gas volumes at 15.025 PSIA at 60°.
Report all oil volumes to the nearest whole barrel.

A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.

All sections of this form must be filled out for allowable requests on new and recompleted wells.

Fill out only sections I, II, III, IV, and the operator certifications for changes of operator, property name, well number, transporter, or other such changes.

A separate C-104 must be filed for each pool in a multiple completion.

Improperly filled out or incomplete forms may be returned to operators unapproved.

1. Operator's name and address
2. Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.
3. Reason for filing code from the following table:

NW	New Well
RC	Recompletion
CH	Change of Operator
AO	Add oil/condensate transporter
CO	Change oil/condensate transporter
AG	Add gas transporter
CG	Change gas transporter
RT	Request for test allowable (include volume requested)

If for any other reason write that reason in this box.
4. The API number of this well
5. The name of the pool for this completion
6. The pool code for this pool
7. The property code for this completion
8. The property name (well name) for this completion
9. The well number for this completion
10. The surface location of this completion NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. The bottom hole location of this completion
12. Lease code from the following table:

F	Federal
S	State
P	Fee
J	Jicarilla
N	Navajo
U	Ute Mountain Ute
I	Other Indian Tribe
13. The producing method code from the following table:

F	Flowing
P	Pumping or other artificial lift
14. MO/DA/YR that this completion was first connected to a gas transporter
15. The permit number from the District approved C-129 for this completion
16. MO/DA/YR of the C-129 approval for this completion
17. MO/DA/YR of the expiration of C-129 approval for this completion
18. The gas or oil transporter's OGRID number
19. Name and address of the transporter of the product
20. The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
21. Product code from the following table:

O	Oil
G	Gas

22. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A", "Jones CPD", etc.)
23. The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
24. The ULSTR location of this POD if it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.)
25. MO/DA/YR drilling commenced
26. MO/DA/YR this completion was ready to produce
27. Total vertical depth of the well
28. Plugback vertical depth
29. Top and bottom perforation in this completion or casing shoe and TD if openhole
30. Inside diameter of the well bore
31. Outside diameter of the casing and tubing
32. Depth of casing and tubing. If a casing liner show top and bottom.
33. Number of sacks of cement used per casing string

The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.

34. MO/DA/YR that new oil was first produced
35. MO/DA/YR that gas was first produced into a pipeline
36. MO/DA/YR that the following test was completed
37. Length in hours of the test
38. Flowing tubing pressure - oil wells
Shut-in tubing pressure - gas wells
39. Flowing casing pressure - oil wells
Shut-in casing pressure - gas wells
40. Diameter of the choke used in the test
41. Barrels of oil produced during the test
42. Barrels of water produced during the test
43. MCF of gas produced during the test
44. Gas well calculated absolute open flow in MCF/D
45. The method used to test the well:

F	Flowing
P	Pumping
S	Swabbing

If other method please write it in.
46. The signature, printed name, and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report
47. The previous operator's name, the signature, printed name, and title of the previous operator's representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person