

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other		5. Lease Serial No. NMSF078905
2. Name of Operator AMOCO PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name EASTERN NAVAJO
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM78391C
3b. Phone No. (include area code) Ph: 281.366.4491		8. Well Name and No. GALLEGOS CANYON 217E
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T28N R12W Mer NWNW 0840FNL 1050FWL 36.66701 N Lat, 108.06795 W Lon		9. API Well No. 30-045-24645-00-D1
		10. Field and Pool, or Exploratory UNNAMED
		11. County or Parish and State SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☐ Acidize ☐ Deepen ☐ Production (Start/Resume) ☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing ☐ Fracture Treat ☐ Reclamation ☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair ☐ New Construction ☐ Recomplete ☒ SUBCOM
	☐ Change Plans ☐ Plug and Abandon ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amoco Production Company request permission to complete the subject well into the Kutz Pictured Cliffs West Pool and commingle production downhole with the existing Basin Dakota & Pinon Gallup Pools as per the attached procedure. Application for state approval of this trimingle application is being submitted to the NMOCD on Form C-107A. Although the interest owners are not identical between these Pools, NMOCD CASE NO. 12520, ORDER NO. R-11567 effective 04/26/2001, established approval for subsequent applications for the downhole commingling of production in wellbores within the Gallegos Canyon Unit without notice to the unit interest owners, therefore, additional notification is required prior to downhole commingling approval. Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Dakota and Gallup Pools. This production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Pictured Cliffs. Attached is the future production decline estimates for the Dakota & Gallup Pools. Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

DHC 407A2 5-22-01

14. I hereby certify that the foregoing is true and correct. Electronic Submission #4202 verified by the BLM Well Information System For AMOCO PRODUCTION COMPANY, sent to the Farmington Committed to AFMSS for processing by Maurice Johnson on 05/16/2001 (01MXJ1874SE)	
Name (Printed/Typed) (None Specified)	Title
Signature	Date 05/14/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Joe Hewitt	Title Geologist	Date 5-29-01
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office BLM - FFO

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

Gallegos Canyon Unit 217E
Future Production Decline Estimate Gallup
(Monthly Factor .312%)

Month	Gas Volume
Jan-2000	20
Feb-2000	21
Mar-2000	21
Apr-2000	21
May-2000	22
Jun-2000	20
Jul-2000	20
Aug-2000	20
Sep-2000	20
Oct-2000	19
Nov-2000	21
Dec-2000	18
Jan-2001	19
Feb-2001	21
Mar-2001	20
Apr-2001	24
May-2001	24
Jun-2001	24
Jul-2001	24
Aug-2001	24
Sep-2001	24
Oct-2001	24
Nov-2001	24
Dec-2001	23
Jan-2002	23
Feb-2002	23
Mar-2002	23
Apr-2002	23
May-2002	23
Jun-2002	23
Jul-2002	23
Aug-2002	23
Sep-2002	23
Oct-2002	23
Nov-2002	23
Dec-2002	23

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 20 \text{ MCFD (09/2000)}$
 $Q_f = 18 \text{ MCFD (01/2001)}$
 $t = 6 \text{ months (.41666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes
 $18/20 = 0.90000$
 $.90 * .41666 = .37499$
 0.031249167

Month	Gas Volume
Jan-2003	23
Feb-2003	23
Mar-2003	23
Apr-2003	23
May-2003	22
Jun-2003	22
Jul-2003	22
Aug-2003	22
Sep-2003	22
Oct-2003	22
Nov-2003	22
Dec-2003	22
Jan-2004	22
Feb-2004	22
Mar-2004	22
Apr-2004	22
May-2004	22
Jun-2004	22
Jul-2004	22
Aug-2004	22
Sep-2004	22
Oct-2004	21
Nov-2004	21
Dec-2004	21
Jan-2005	21
Feb-2005	21
Mar-2005	21
Apr-2005	21
May-2005	21
Jun-2005	21
Jul-2005	21
Aug-2005	21
Sep-2005	21
Oct-2005	21
Nov-2005	21
Dec-2005	21

Month	Gas Volume
Jan-2006	21
Feb-2006	21
Mar-2006	20
Apr-2006	20
May-2006	20
Jun-2006	20
Jul-2006	20
Aug-2006	20
Sep-2006	20
Oct-2006	20
Nov-2006	20
Dec-2006	20
Jan-2007	20
Feb-2007	20
Mar-2007	20
Apr-2007	20
May-2007	20
Jun-2007	19
Jul-2007	19
Aug-2007	19
Sep-2007	19
Oct-2007	19
Nov-2007	19
Dec-2007	19
Jan-2008	19
Feb-2008	19
Mar-2008	19
Apr-2008	19
May-2008	19
Jun-2008	19
Jul-2008	19
Aug-2008	19
Sep-2008	18
Oct-2008	18
Nov-2008	18
Dec-2008	18

Gallegos Canyon Unit 217E
Future Production Decline Estimate Gallup
(Monthly Factor .312%)

Month	Gas Volume
Jan-2009	18
Feb-2009	18
Mar-2009	18
Apr-2009	18
May-2009	18
Jun-2009	18
Jul-2009	18
Aug-2009	18
Sep-2009	18
Oct-2009	18
Nov-2009	18
Dec-2009	18
Jan-2010	17
Feb-2010	17
Mar-2010	17
Apr-2010	17
May-2010	17
Jun-2010	17
Jul-2010	17
Aug-2010	17
Sep-2010	17
Oct-2010	17
Nov-2010	17
Dec-2010	17
Jan-2011	17
Feb-2011	17
Mar-2011	17
Apr-2011	17
May-2011	17
Jun-2011	16
Jul-2011	16
Aug-2011	16
Sep-2011	16
Oct-2011	16
Nov-2011	16
Dec-2011	16

Month	Gas Volume
Jan-2012	16
Feb-2012	16
Mar-2012	16
Apr-2012	16
May-2012	16
Jun-2012	16
Jul-2012	16
Aug-2012	16
Sep-2012	16
Oct-2012	16
Nov-2012	16
Dec-2012	16
Jan-2013	16
Feb-2013	15
Mar-2013	15
Apr-2013	15
May-2013	15
Jun-2013	15
Jul-2013	15
Aug-2013	15
Sep-2013	15
Oct-2013	15
Nov-2013	15
Dec-2013	15
Jan-2014	15
Feb-2014	15
Mar-2014	15
Apr-2014	15
May-2014	15
Jun-2014	15
Jul-2014	15
Aug-2014	15
Sep-2014	15
Oct-2014	15
Nov-2014	15
Dec-2014	14

Month	Gas Volume
Jan-2015	14
Feb-2015	14
Mar-2015	14
Apr-2015	14
May-2015	14
Jun-2015	14
Jul-2015	14
Aug-2015	14
Sep-2015	14
Oct-2015	14
Nov-2015	14
Dec-2015	14
Jan-2016	14
Feb-2016	14
Mar-2016	14
Apr-2016	14
May-2016	14
Jun-2016	14
Jul-2016	14
Aug-2016	14
Sep-2016	14
Oct-2016	14
Nov-2016	14
Dec-2016	13
Jan-2017	13
Feb-2017	13
Mar-2017	13
Apr-2017	13
May-2017	13
Jun-2017	13
Jul-2017	13
Aug-2017	13
Sep-2017	13
Oct-2017	13
Nov-2017	13
Dec-2017	13

Month	Gas Volume
Jan-2018	13
Feb-2018	13
Mar-2018	13
Apr-2018	13
May-2018	13
Jun-2018	13
Jul-2018	13
Aug-2018	12
Sep-2018	12
Oct-2018	12
Nov-2018	12
Dec-2018	12
Jan-2019	12
Feb-2019	12
Mar-2019	12
Apr-2019	12
May-2019	12
Jun-2019	12
Jul-2019	12
Aug-2019	12
Sep-2019	12
Oct-2019	12
Nov-2019	12
Dec-2019	12
Jan-2020	11
Feb-2020	11
Mar-2020	11
Apr-2020	11
May-2020	11
Jun-2020	11
Jul-2020	11
Aug-2020	11
Sep-2020	11
Oct-2020	11
Nov-2020	11
Dec-2020	11

Gallegos Canyon Unit 217E
Future Production Decline Estimate Gallup
(Monthly Factor .312%)

5/14/01

Month	Gas Volume
Jan-2021	11
Feb-2021	11
Mar-2021	11
Apr-2021	11
May-2021	11
Jun-2021	11
Jul-2021	10
Aug-2021	10
Sep-2021	10
Oct-2021	10
Nov-2021	10
Dec-2021	10
Jan-2022	10
Feb-2022	10
Mar-2022	10
Apr-2022	10
May-2022	10
Jun-2022	10
Jul-2022	10
Aug-2022	10
Sep-2022	10
Oct-2022	10
Nov-2022	10
Dec-2022	10
Jan-2023	10
Feb-2023	10
Mar-2023	9
Apr-2023	9
May-2023	9
Jun-2023	9
Jul-2023	9
Aug-2023	9
Sep-2023	9
Oct-2023	9
Nov-2023	9
Dec-2023	9

Month	Gas Volume
Jan-2024	9
Feb-2024	9
Mar-2024	9
Apr-2024	9
May-2024	9
Jun-2024	9
Jul-2024	9
Aug-2024	9
Sep-2024	9
Oct-2024	9
Nov-2024	9
Dec-2024	9
Jan-2025	8
Feb-2025	8
Mar-2025	8
Apr-2025	8
May-2025	8
Jun-2025	8
Jul-2025	8
Aug-2025	8
Sep-2025	8
Oct-2025	8
Nov-2025	8
Dec-2025	8
Jan-2026	8
Feb-2026	8
Mar-2026	8
Apr-2026	8
May-2026	8
Jun-2026	8
Jul-2026	8
Aug-2026	8
Sep-2026	8
Oct-2026	8
Nov-2026	8
Dec-2026	8

Month	Gas Volume
Jan-2027	8
Feb-2027	7
Mar-2027	7
Apr-2027	7
May-2027	7
Jun-2027	7
Jul-2027	7
Aug-2027	7
Sep-2027	7
Oct-2027	7
Nov-2027	7
Dec-2027	7
Jan-2028	7
Feb-2028	7
Mar-2028	7
Apr-2028	7
May-2028	7
Jun-2028	7
Jul-2028	7
Aug-2028	7
Sep-2028	7
Oct-2028	7
Nov-2028	7
Dec-2028	7
Jan-2029	7
Feb-2029	7
Mar-2029	7
Apr-2029	7
May-2029	7
Jun-2029	7
Jul-2029	6
Aug-2029	6
Sep-2029	6
Oct-2029	6
Nov-2029	6
Dec-2029	6

Month	Gas Volume
Jan-2030	6
Feb-2030	6
Mar-2030	6
Apr-2030	6
May-2030	6
Jun-2030	6
Jul-2030	6
Aug-2030	6
Sep-2030	6
Oct-2030	6
Nov-2030	6
Dec-2030	6
Jan-2031	6
Feb-2031	6
Mar-2031	6
Apr-2031	6
May-2031	6
Jun-2031	6
Jul-2031	6
Aug-2031	6
Sep-2031	6
Oct-2031	6
Nov-2031	6
Dec-2031	6
Jan-2032	6
Feb-2032	6
Mar-2032	5
Apr-2032	5
May-2032	5
Jun-2032	5
Jul-2032	5
Aug-2032	5
Sep-2032	5
Oct-2032	5
Nov-2032	5
Dec-2032	5

Gallegos Canyon Unit 217E

Future Production Decline Estimate Dakota Pool

Month	Gas Volume	Month	Gas Volume	Month	Gas Volume
Jan-2000	0	Jan-2003	67	Jan-2006	59
Feb-2000	0	Feb-2003	66	Feb-2006	59
Mar-2000	0	Mar-2003	66	Mar-2006	59
Apr-2000	0	Apr-2003	66	Apr-2006	59
May-2000	0	May-2003	65	May-2006	58
Jun-2000	0	Jun-2003	65	Jun-2006	58
Jul-2000	0	Jul-2003	65	Jul-2006	58
Aug-2000	0	Aug-2003	64	Aug-2006	58
Sep-2000	0	Sep-2003	64	Sep-2006	58
Oct-2000	0	Oct-2003	64	Oct-2006	57
Nov-2000	0	Nov-2003	64	Nov-2006	57
Dec-2000	0	Dec-2003	63	Dec-2006	57
Jan-2001	0	Jan-2004	63	Jan-2007	57
Feb-2001	0	Feb-2004	63	Feb-2007	57
Mar-2001	0	Mar-2004	63	Mar-2007	56
Apr-2001	74	Apr-2004	63	Apr-2007	56
May-2001	74	May-2004	63	May-2007	56
Jun-2001	74	Jun-2004	62	Jun-2007	56
Jul-2001	74	Jul-2004	62	Jul-2007	56
Aug-2001	73	Aug-2004	62	Aug-2007	55
Sep-2001	73	Sep-2004	62	Sep-2007	55
Oct-2001	73	Oct-2004	62	Oct-2007	55
Nov-2001	72	Nov-2004	62	Nov-2007	55
Dec-2001	72	Dec-2004	61	Dec-2007	55
Jan-2002	71	Jan-2005	61	Jan-2008	55
Feb-2002	71	Feb-2005	61	Feb-2008	54
Mar-2002	71	Mar-2005	61	Mar-2008	54
Apr-2002	70	Apr-2005	61	Apr-2008	54
May-2002	70	May-2005	61	May-2008	54
Jun-2002	69	Jun-2005	60	Jun-2008	54
Jul-2002	69	Jul-2005	60	Jul-2008	53
Aug-2002	69	Aug-2005	60	Aug-2008	53
Sep-2002	68	Sep-2005	60	Sep-2008	53
Oct-2002	68	Oct-2005	60	Oct-2008	53
Nov-2002	68	Nov-2005	60	Nov-2008	53
Dec-2002	67	Dec-2005	59	Dec-2008	52

Nom Fit Decline - Hyper, 0.3264
 Forecast Decline - Hyper, 0.95
 Beginning Date Rate 06/01/2001
 Volume 74.01MCFD
 Cum @ Beginning - 318416
 Remaining - 469270.21
 Total Reserves - 787686.21

Gallegos Canyon Unit 217E

Future Production Decline Estimate Dakota Pool

Month	Gas Volume
Jan-2009	52
Feb-2009	52
Mar-2009	52
Apr-2009	52
May-2009	52
Jun-2009	51
Jul-2009	51
Aug-2009	51
Sep-2009	51
Oct-2009	51
Nov-2009	51
Dec-2009	50
Jan-2010	50
Feb-2010	50
Mar-2010	50
Apr-2010	50
May-2010	49
Jun-2010	49
Jul-2010	49
Aug-2010	49
Sep-2010	49
Oct-2010	49
Nov-2010	48
Dec-2010	48
Jan-2011	48
Feb-2011	48
Mar-2011	48
Apr-2011	48
May-2011	47
Jun-2011	47
Jul-2011	47
Aug-2011	47
Sep-2011	47
Oct-2011	47
Nov-2011	46
Dec-2011	46

Month	Gas Volume
Jan-2012	46
Feb-2012	46
Mar-2012	46
Apr-2012	46
May-2012	46
Jun-2012	46
Jul-2012	45
Aug-2012	45
Sep-2012	45
Oct-2012	45
Nov-2012	45
Dec-2012	45
Jan-2013	45
Feb-2013	44
Mar-2013	44
Apr-2013	44
May-2013	44
Jun-2013	44
Jul-2013	44
Aug-2013	44
Sep-2013	44
Oct-2013	43
Nov-2013	43
Dec-2013	43
Jan-2014	43
Feb-2014	43
Mar-2014	43
Apr-2014	43
May-2014	42
Jun-2014	42
Jul-2014	42
Aug-2014	42
Sep-2014	42
Oct-2014	42
Nov-2014	42
Dec-2014	42

Month	Gas Volume
Jan-2015	41
Feb-2015	41
Mar-2015	41
Apr-2015	41
May-2015	41
Jun-2015	41
Jul-2015	41
Aug-2015	41
Sep-2015	40
Oct-2015	40
Nov-2015	40
Dec-2015	40
Jan-2016	40
Feb-2016	40
Mar-2016	40
Apr-2016	40
May-2016	40
Jun-2016	39
Jul-2016	39
Aug-2016	39
Sep-2016	39
Oct-2016	39
Nov-2016	39
Dec-2016	39
Jan-2017	39
Feb-2017	38
Mar-2017	38
Apr-2017	38
May-2017	38
Jun-2017	38
Jul-2017	38
Aug-2017	38
Sep-2017	38
Oct-2017	38
Nov-2017	37
Dec-2017	37

Month	Gas Volume
Jan-2018	37
Feb-2018	37
Mar-2018	37
Apr-2018	37
May-2018	36
Jun-2018	36
Jul-2018	36
Aug-2018	36
Sep-2018	36
Oct-2018	35
Nov-2018	35
Dec-2018	35
Jan-2019	35
Feb-2019	35
Mar-2019	35
Apr-2019	34
May-2019	34
Jun-2019	34
Jul-2019	34
Aug-2019	34
Sep-2019	34
Oct-2019	33
Nov-2019	33
Dec-2019	33
Jan-2020	33
Feb-2020	33
Mar-2020	33
Apr-2020	32
May-2020	32
Jun-2020	32
Jul-2020	32
Aug-2020	32
Sep-2020	32
Oct-2020	31
Nov-2020	31
Dec-2020	31

Gallegos Canyon Unit 217E

5/14/01

Future Production Decline Estimate Dakota Pool

Month	Gas Volume
Jan-2021	31
Feb-2021	31
Mar-2021	31
Apr-2021	31
May-2021	30
Jun-2021	30
Jul-2021	30
Aug-2021	30
Sep-2021	30
Oct-2021	30
Nov-2021	29
Dec-2021	29
Jan-2022	29
Feb-2022	29
Mar-2022	29
Apr-2022	29
May-2022	29
Jun-2022	28
Jul-2022	28
Aug-2022	28
Sep-2022	28
Oct-2022	28
Nov-2022	28
Dec-2022	28
Jan-2023	27
Feb-2023	27
Mar-2023	27
Apr-2023	27
May-2023	27
Jun-2023	27
Jul-2023	27
Aug-2023	27
Sep-2023	26
Oct-2023	26
Nov-2023	26
Dec-2023	26

Month	Gas Volume
Jan-2024	26
Feb-2024	26
Mar-2024	26
Apr-2024	25
May-2024	25
Jun-2024	25
Jul-2024	25
Aug-2024	25
Sep-2024	25
Oct-2024	25
Nov-2024	25
Dec-2024	24
Jan-2025	24
Feb-2025	24
Mar-2025	24
Apr-2025	24
May-2025	24
Jun-2025	24
Jul-2025	24
Aug-2025	24
Sep-2025	23
Oct-2025	23
Nov-2025	23
Dec-2025	23
Jan-2026	23
Feb-2026	23
Mar-2026	23
Apr-2026	23
May-2026	22
Jun-2026	22
Jul-2026	22
Aug-2026	22
Sep-2026	22
Oct-2026	22
Nov-2026	22
Dec-2026	22

Month	Gas Volume
Jan-2027	22
Feb-2027	22
Mar-2027	21
Apr-2027	21
May-2027	21
Jun-2027	21
Jul-2027	21
Aug-2027	21
Sep-2027	21
Oct-2027	21
Nov-2027	21
Dec-2027	20
Jan-2028	20
Feb-2028	20
Mar-2028	20
Apr-2028	20
May-2028	20
Jun-2028	20
Jul-2028	20
Aug-2028	20
Sep-2028	20
Oct-2028	19
Nov-2028	19
Dec-2028	19
Jan-2029	19
Feb-2029	19
Mar-2029	19
Apr-2029	19
May-2029	19
Jun-2029	19
Jul-2029	19
Aug-2029	19
Sep-2029	18
Oct-2029	18
Nov-2029	18
Dec-2029	18

Month	Gas Volume
Jan-2030	18
Feb-2030	18
Mar-2030	18
Apr-2030	18
May-2030	18
Jun-2030	18
Jul-2030	17
Aug-2030	17
Sep-2030	17
Oct-2030	17
Nov-2030	17
Dec-2030	17
Jan-2031	17
Feb-2031	17
Mar-2031	17
Apr-2031	17
May-2031	17
Jun-2031	17
Jul-2031	16
Aug-2031	16
Sep-2031	16
Oct-2031	16
Nov-2031	16
Dec-2031	16
Jan-2032	16
Feb-2032	16
Mar-2032	16
Apr-2032	16
May-2032	16
Jun-2032	16
Jul-2032	15
Aug-2032	15
Sep-2032	15
Oct-2032	15
Nov-2032	15
Dec-2032	15

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

311 South First., Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco
Santa Fe, New Mexico 87505

Form C-102

Revised October 18, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number 30-045-24645	Pool Code 71599, 50380, & 79680	Pool Name Basin Dakota, Pinon Gallup, & Kutz Pictured Cliffs, West
Property Code 000570	Property Name Gallegos Canyon Unit	Well Number 217E
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5541'

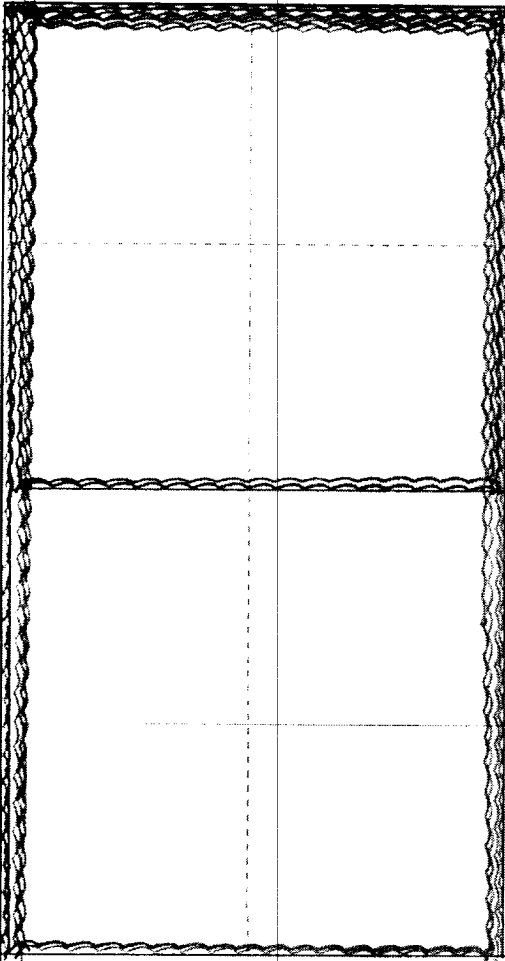
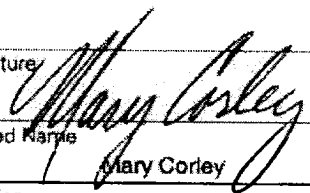
Surface Location

UL or lot no. UNIT D	Section 13	Township 28N	Range 12W	Lot. Idn	Feet from the 840'	North/South Line NORTH	Feet from the 1050'	East/West Line WEST	County San Juan
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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
Dedicated Acreage 160 GP & PC 320 DK		Joint or Infill	Consolidation Code		Order No.				

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

	OPERATOR CERTIFICATION	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i>	
	Signature	
	Printed Name	Mary Corley
	Position	Sr. Regulatory Analyst
	Date	05/02/2001
	SURVEY CERTIFICATION	
	<i>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 knowledge and belief.</i>	
	1-28-1980	
	Date of Survey	
	Signature & Seal of Professional Surveyor	
	Fred B Kerr Jr.	
	Certificate No.	3950

GCU Well Work Procedure

Well Name:	GCU #217E
Date:	2/22/01
SAP Number	X5-xxxxx

Objective: Pull dual tubing strings and cleanout wellbore. Recomplete in Pictured Cliffs and downhole commingle with Dakota/Gallup.

Pertinent Information:

Location:	Sec.13, T28N-R12W	Horizon:	Dakota/PC
County:	San Juan	API #:	30-045-24645
State:	New Mexico	Engr:	John Papageorge
Lease:	SF-078905	Phone:	W (281)366-5721
Meter No.	DK 94353 GP 94363		H (713)464-5053
Well Flac:	DK 84246901 GP 84246902		

Note: Prior to scheduling rig, confirm that surface facility modifications have been initiated.

1. Check anchors. MIRU.
2. Check and record tubing, casing and bradenhead pressures.
3. Blow down wellhead, kill if necessary with 2% KCL water.
4. Nipple down wellhead, nipple up and pressure test BOP.
5. POH and LD both tubing strings. RU air unit and power swivel. RIH with packer picker and drill collars. Mill out and retrieve packer
6. RIH with bit and scraper. Clean out to PBTD as necessary.
7. Set CIBP via tubing at approximately 5300'. Load hole with 2%KCL and pressure test to 500#.
8. Run CBL/GR/CCL across Pictured Cliffs interval to verify zonal isolation. (Note:DV tool at 4113') Fax results to John Papageorge @ 281-366-7099.
9. Set RBP approximately 150' below bottom of proposed perforations and pressure test.
10. Perforate the following interval with 4JSPF, 120 deg. phasing: PC 1470-1492'.
11. RU frac equipment and install WH isolation tool. Fracture stimulate down casing according to schedule 'A'.
12. Flow back frac load until well dies.
13. RIH with bit and tubing. Clean out fill. Pull RBP and drill out CIBP to commingle with DK/GP.
14. TIH with 2 3/8" tbg, rods, and pump. Land 1 joint below Dakota perms if possible.
15. RDMO. Hook up to pumping unit and well head compressor.
16. Pump to recover load and test.

GCU #217E
Wellbore Diagram

840' FNL x 1050' FWL
Sec. 13, T28N, R12W
San Juan Co., NM

