

NMOC



SJOET Well Work Procedure

Wellname: GCU #241
Version: #1
Date: February 6, 1997
Budget: DRA/Major Cash
Workover Type: PxA/Recompletion

Objectives:

1. Plug back Dakota horizon
 2. Perforate and fracture Pictured Cliffs horizon
 3. Turn over to production
-

Pertinent Information:

Location:	2385' FNL & 990' FWL, E S.29 28-12	Horizon:	Pictured Cliffs
County:	San Juan	API #:	30-045-11687
State:	New Mexico	Engr:	Irina Mitselmakher
Lease:	I-149-IND-8477	Phone:	W--(303)830-4371
Well Flac:			H--(303)369-9301

Economic Information:

APC WI:	DK Prod. Before Repair:	0 MCFD
Estimated Cost:	DK Anticipated Prod.:	0 MCFD
Payout:	PC Prod. Before Repair:	0 MCFD
Max Cost -12 Mo. P.O.	PC Anticipated Prod.:	200 MCFD
PV15:		
Max Cost PV15:		

Formation Tops: (Estimated formation tops)

Nacimiento:	Menefee:
Ojo Alamo: surface	Point Lookout:
Kirtland Shale:	Mancos Shale: 4065'
Basal Ft Coal: 1292'	Gallup: 4941'
Pictured Cliffs: 1310'	Greenhorn: 5755'
Lewis Shale: 1518'	Graneros: 5818'
Chacra:	Dakota: 5920'
Cliffhouse: 2635'	Morrison:

Bradenhead Test Information:

Test Date: 4/15/94 **Tubing:** 175 psi **Casing:** 270 psi **BH:** 0 psi.

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

GCU #241
Sec. 29 T 28 R 12
Completed 5/66
PBTD=6040'

1. Check location for anchors. Install if necessary. Check anchors.
2. MIRUSU. Blow down well. NDWH. NUBOP's.
3. Lower tubing and verify BP at 5998' (stuck during BH repair in 1992). Tally out of hole with 2 3/8" tbg, lay down, inspect.
4. RIH with 2 3/8" workstring and cement retainer. Set retainer at 5818'.
5. Test casing integrity to 500#. Report any leaks to Denver.
6. Squeeze DK perfs from 5868' to 5972' with 50 sx cement. Pull out of retainer and spot a 100' cement plug from 5818' to 5718'.
7. Run GR/CCL/CBL. Correlate GR with the original SP/Induction log (there's no gamma ray log across MV and PC). Determine TOC. Verify that Mesaverde at 2635' is sufficiently isolated outside of casing. Spot a 100' cement plug from 2685' - 2585' with 20 cu ft cement. Verify that sufficient zonal isolation exists at 1310'-1332' (Pictured Cliffs). Report findings to Denver.
8. Pressure test casing to 2000 #.
9. RIH with casing guns and perforate Pictured Cliffs at the following interval (2 jspf):

1312'-1330'
10. Fracture Pictured Cliffs according to attached procedure.
11. Flow back immediately on a 1/2" choke. Drop back to 1/4" choke if excessive sand production is seen.
12. Land 2 3/8" tubing at 1330'. Clean out / swab if necessary.
13. ND BOP's. NU and test wellhead. RDMOSU.

If problems are encountered, please contact:

Irina Mitselmakher
W: (303)830-4371
H: (303)369-9301

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*Hand C-16
Kerr*

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 3004511687	Pool Code	Pool Name WEST KUTZ-PICTURED CLIFFS GAS POOL
Property Code	Property Name GALLEGOS CANYON UNIT	Well Number 241
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5634

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
UNIT E	29	28N	12W		2385	NORTH	990	WEST	San Juan

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	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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
					Signature <i>Nancy I. Whitaker</i>	
					Printed Name Nancy I. Whitaker	
				Position Staff Assistant		
				Date 03/28/1997		
				SURVEY 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 knowledge and belief.		
				03/12/1966		
				Date of Survey		
				Signature & Seal of Professional Surveyor		
				ERNEST V ECHOHAWK		
				Certificate No. 3602		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

Attachment to Notice of

Intention to Workover

Re: Plug Back

Well: 241 Gallegos Canyon Unit

CONDITIONS OF APPROVAL

1. Place a cement plug from 4992' to 4892' inside the casing plus 50 linear feet excess. (Gallup top @ 4942'--12 sks. cement)
2. Move the Mesaverde cement plug from 2685-2585' to 2889'-2789'. (top of Mesaverde @ 2839') If it is necessary to perforate the casing at 2889' to cement the annular space from 2889' to 2789', use 100% excess cement. (minimum cement 39 sks. annulus , 12 sks. casing--total 51 sks.)
3. **Mike Flaniken** with the Farmington District Office is to be notified at least 24 hours before the workover operations commence (505) 599-8907.