

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.

SF - 078949

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

GALLEGOS CANYON UNIT 109

9. API Well No.

3004508234

10. Field and Pool, or Exploratory Area

West Kutz-Pictured Cliffs Gas Pool

11. County or Parish, State

San Juan New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Nancy I. Whitaker

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

303-830-5039

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

850 FSL

1040 FWL

Sec. 18 T 29N R 12W

UNIT M

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

AMOCO PRODUCTION COMPANY REQUESTS PERMISSION TO RECOMPLETE THE ABOVE WELL TO THE PICTURE CLIFFS AND TO PERMANENTLY ABANDON THE BASIN DAKOTA ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT IRINA MITSSELMACHER 303-830-4371

RECEIVED
APR 14 1997
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct

Signed

Nancy I. Whitaker

Title

Staff Assistant

Date

03-31-1997

(This space for Federal or State office use)

/s/ Duane W. Spencer

Approved by

Title

Date

APR 11 1997

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

* See Instructions on Reverse Side

NMOC



SJOET Well Work Procedure

Wellname: GCU #109
Version: #1
Date: February 10, 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:	850' FSL & 1040' FWL, M S.18 29 -12	Horizon:	Pictured Cliffs
County:	San Juan	API #:	30-045-08234
State:	New Mexico	Engr:	Irina Mitselmakher
Lease:	SF-078949	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:	3112'
Ojo Alamo: surface	Point Lookout:	3800'
Kirtland Shale:	Mancos Shale:	4195'
Basal Ft Coal: 1394'	Gallup:	5105'
Pictured Cliffs: 1429'	Greenhorn:	5859'
Lewis Shale: 1656'	Graneros:	5920'
Chacra:	Dakota:	5968'
Cliffhouse: 2966'	Morrison:	

Bradenhead Test Information:

Test Date: 8/2/95 **Tubing:** 131 psi **Casing:** 191 psi **BH:** 27 psi

Time	BH	CSG	INT	CSG
5 min	0	193		
10 min	0	194		
15 min	0	195		

GCU #109

Sec. 18 T 29 R 12

Completed 10/61

PBTD=6131'

1. Check location for anchors. Install if necessary. Check anchors.
2. MIRUSU. Blow down well. NDWH. NUBOP's.
3. Lower tubing and verify PBTD at 6131'. 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 5921'.
5. Test casing integrity to 500#. Report any leaks to Denver.
6. Squeeze DK perms from 5971' to 6080' with 50 sx cement. Pull out of retainer and spot a 100' cement plug from 5921' to 5821'.
7. Run GR/CCL/CBL. Correlate GR with the original SP/Induction log (there's no gamma ray log across PC). Determine TOC. Verify that Mesaverde at 2966' is sufficiently isolated outside of casing. Spot a 100' cement plug from 3016'- 2916' with 20 cu ft cement. Verify that sufficient zonal isolation exists at 1429'-1450' (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 jsfp):

1429'-1450'
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 1450'. 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

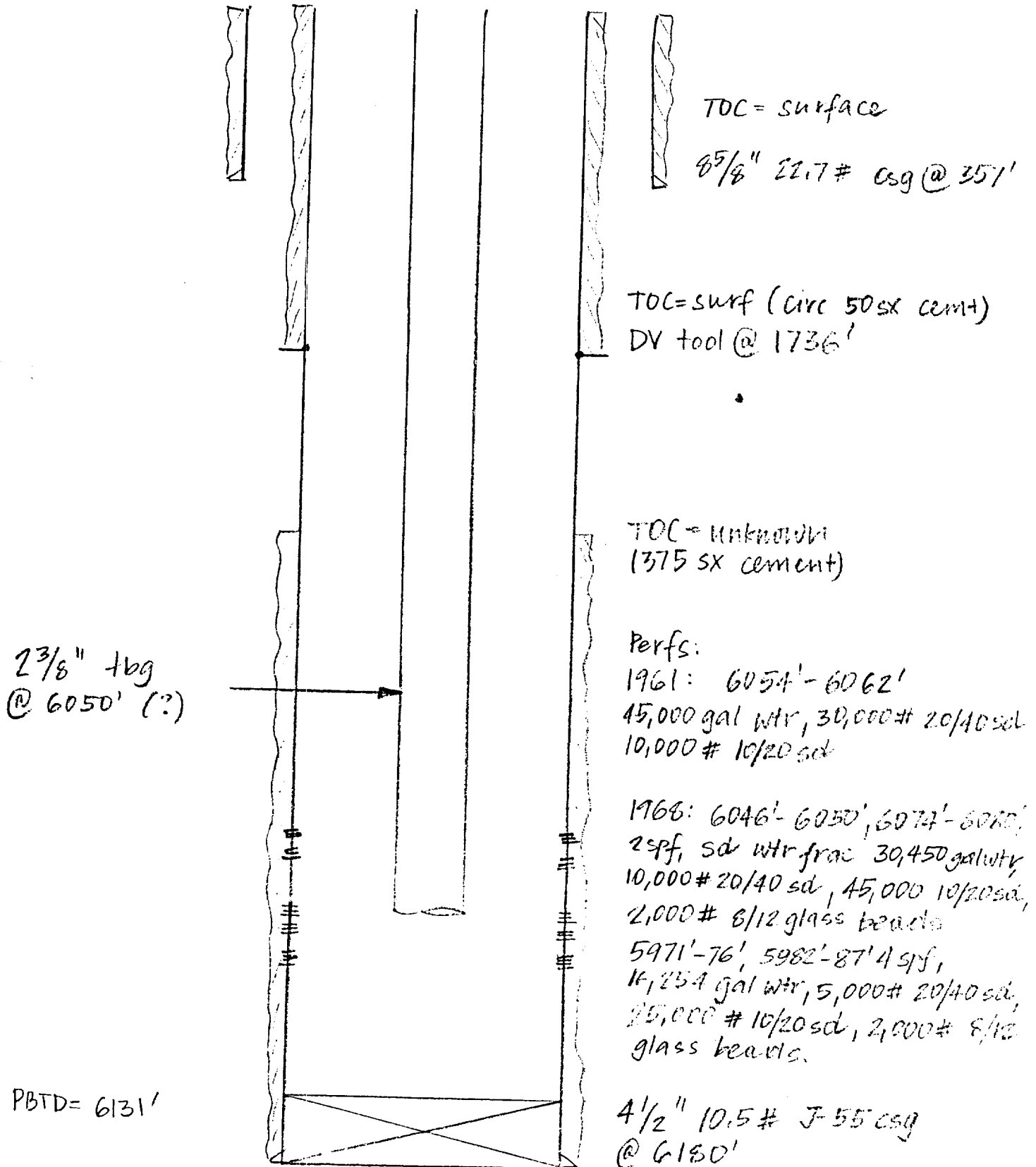
H: (303)369-9301

Amoco Production Company

ENGINEERING CHART

SUBJECT GEN #103 completed 10/61
Wellbore diagram

Sheet No. _____ Of _____
 File _____
 Appn _____
 Date 1/17/97
 By JM



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 3004508234	Pool Code 79680	Pool Name 070 WEST KUTZ-PICTURED CLIFFS GAS POOL
Property Code 000570	Property Name GALLEGOS CANYON UNIT	Well Number 109
OGRID No. 000778	Operator Name AMOCO PRODUCTION COMPANY	Elevation 5523 GL

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 M	13	29N	12W		850	SOUTH	1040	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: 158.91		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: 03/31/1997			
	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. Date of Survey: 04/08/1961			
	Signature & Seal of Professional Surveyor JAMES P LEESE			
	Certificate No. 1463			



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: 109 Gallegos Canyon Unit

CONDITIONS OF APPROVAL

1. Place a cement plug from 5154' to 5054' inside the casing plus 50 linear feet excess. (Gallup top @ 5104'--12 sks. cement)
2. If it is necessary to perforate the casing at 3016' to cement the annular space from 3016' to 2916', use 100% excess cement. (minimum cement 39 sks annulus , 12 sks. casing--total 51 sks.) (Mesaverde top @ 2966')
3. **Mike Flaniken** with the Farmington District Office is to be notified at least 24 hours before the workover operations commence (505) 599-8907.