Form 3160-5
(June 1990)

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

97 SEP 12 PM 1:02

070 FARMINGTON, NM

5. Lease Designation and Serial No.
SF - 078336

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
FLORANCE 114 FT #2

2. Name of Operator
AMOCO PRODUCTION COMPANY
Attention: Nancy I. Whitaker

9. API Well No.
3004527540

3. Address and Telephone No.
P.O. BOX 800 DENVER, COLORADO 80201 303-830-5039

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL GAS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2390 FSL 980 FWL Sec. 11 T 30N R 9W UNIT L

11. County or Parish, State
SAN JUAN NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other REPAIR	☐ 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 CLEAN OUT, UNDER REAM AND RUN A PERFORATED LINER IN THE ABOVE WELL ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT MIKE KUTAS 303-830-5159

RECEIVED
SEP 18 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 09-09-1997

(This space for Federal or State office use)

Approved by /S/ Duane W. Spencer Title _____ Date SEP 16 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, ficticious, or fraudulent statements or representations as to any matter within its jurisdiction.

* See Instructions on Reverse Side

NMOCD

SJOET Well Work Procedure

Florance 114-2
Version: #1
Date: September 5, 1997
Budget: Well Repair
Work Type: C/O, underream. run and perf liner

Objectives:
1. Clean out fill, underream and stabilize hole
2. Run and perf liner
3. Return well to production

Pertinent Information:

Location:	2390'FSLx980'FWL; Sect 11L-T30N-R09W	Horizon:	FT
County:	San Juan	API #:	30-045-27540
State:	New Mexico	Engr:	Kutas
Lease:	SF-078336	Phone:	H--(303)840-3700
Well Flac:	703821		W-(303)830-5159
			P--(303)553-6334

Economic Information:

APC WI:	50%	Prod. Before Repair:	2250MCFD
Estimated Cost:	$90,000	Anticipated Prod.:	4300MCFD
Payout:	<1 Months	Prod. Before Repair	
Max Cost -12 Mo. P.O.	>$1 MM	Anticipated Prod.:	
PV15:			
Max Cost PV15:			

Note: **Economics will be run on all projects that have a payout exceeding ONE year.**

Formation Tops: (Estimated formation tops)

Nacimento:		Mesaverde:	
Ojo Alamo:		Point Lookout:	
Kirtland Shale:		Mancos Shale:	
Fruitland:	2590'-2802'	Gallup:	
Pictured Cliffs:	2824' (Est'd: Florance 18A)	Graneros:	
Cliff House:		Dakota:	
		TD:	2800'

Bradenhead Test Information:
Test Date: 6/96 **Tubing:** 146 **Casing:** 148 **BH:** 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments: BH test witnessed by NMOCD.

Florance 114#2:

Current wellbore info: 7" CSA 2569', OH at 2569-2809', 2 7/8" TSA 2782', Fill at 2790'KB
Current flow info: 2250 MCFD, FTP=59 psi, FCP=n/a psi, LP=58 psi; Producing tubing and casing

General observations:
1. Well is experiencing serious loading problems; production dropped 2000 MCFD since May; Production is currently being maintained by shuting the casing over night every other day. Well is also producing a fair amount of coal.
2. Well was cavitated in 12/89 and has not been recavitated or underreamed.
3. Well has not experienced ledge or sloughing problems

Short term plans:
1. Underream, line, and perf well

Long term plans:
1. Place on artificial lift (if needed)

1. MIRURT; equipped with air package/mist pump
2. ND tree, rig up BOP's; complete with venturies on blooie lines w/man. valves. Test BOE. Set plug in SN in 2 7/8" TBG (Std SN sa approx. 2759'). TOH w/2 7/8" tubing
3. Set wireline EZSV in 7" at 2500'. Load and pressure test csg . NU and test BOE.
4. Pick up drill collars, and 6.250" bit, blow hole dry, drill up EZSV, clean out fill from 2,790' to total depth (2809') using air and foam. Underream open hole section from 6 1/4" to 9 1/2". Cavitate well for 24 hours to clean up open hole section. C/O and stibilize hole as quickly as possible to allow running liner (after reaching TD, trip out to casing shoe and wait for 4-6 hours and check to determine amount of fill and how difficult it is to clean up.
5. Run a blank 5.500" flush joint liner (Hydril 511) from TD back to approx. 2,500'. Install a tricone bit on bottom with a float immediately above bit and a Baker Model SLR-P Liner Hanger Packer. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe
6. RU HES, run GR-CCL to identify correct coal seam depths; TIH and perforate liner as follows:

COAL ZONES		PERFORATIONS		
Ignacio	2,621 to 2,630'	2,621 to 2,630'	4 jspf	36 holes
	2,655 to 2,669'	2,655 to 2,669'	4 jspf	56 holes
Cottonwood	2,703 to 2,708'	2,703 to 2,717'	4 jspf	56 holes
	2,713 to 2,717'			
Cahn	2,748 to 2,758'	2,748 to 2,758'	4 jspf	40 holes
	2, 777 to 2,793'	2, 777 to 2,793'	4 jspf	64 holes
		Total		**252 holes**

5. TOH and lay down drill pipe and bit; RIH w/2 7/8"TBG as follows:
   1) 10' 2 7/8" tbg sub
   2) 10' 2 7/8" tbg sub w/ 5/8" hole in middle
   3) 2 7/8" std. SN (2.280" ID) with retrievable plug in place
   4) remainder 2 7/8" TBG (All TBG: 6.4# J55 FBN)

Land bottom of TBG at approximately 2785-90'. Pull retrievable plug. RDMODU. **Turn well over to production.**
Note: bring well on slowly, well may need swabbing in order to RTP.

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 5-6 days and to cost approximately $90,000 (see attached AFE form).

If problems are encountered, please contact:

Mike Kutas

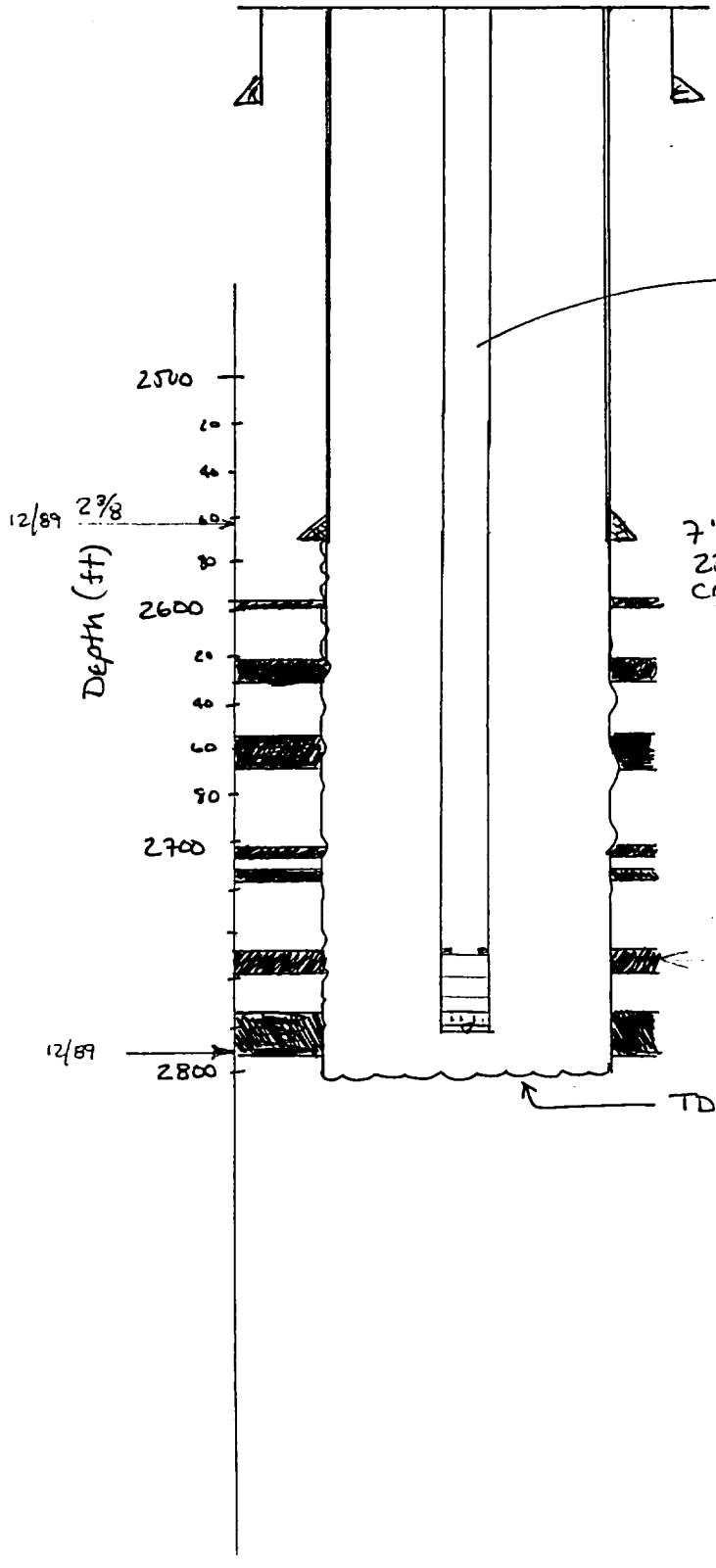
(W) (303) 830-5159
(H) (303)840-3700
(P) (303)553-6334

Amoco Production Company

ENGINEERING CHART

Sheet No ____ Of ____
File ____
Appn ____
Date 6/11/97
By GMK

SUBJECT FLORANCE 114 #2



2/12/96 TAG; GRAD; Fill @ 2753'

Depth	PSig	Grad
0	151	—
1000	169	.018
2000	182	.013
2500	188	.012
2735	194	.017

2/97 TAG INFO: T/C = 100 psi; FL @ 2350'
Fill @ 2735' GL = 2750' KB

Amoco Production Company

ENGINEERING CHART

Sheet No ____ Of ____
File ____
Appn ____
Date 2-17-97
By GMK

SUBJECT FLORANCE 114 #2

Coals			GAS Readings		
	2597 - 2600'	3'			
	2621 - 30'	9'	12,160 u	BASE	↓ 5' FLARE
	2655 - 69'	14'	14,080 u	+1,940 u	
	2703 - 08'	5'	18560 u	+ 4,480 u	↓ 7' FLARE
	2713 - 17'	4'	18,560 u	"	
	2748 - 58'	10'	19,800 u	+1,440 u	↓ 25' FLARE
	2777 - 93'	16'	19,800 u	—	
	TD = 2800'				

INITIAL COMPL.

- RU 12/18/89
- D/O TO 2800', RTCS, HEAVY MIST W/GAS, TAG FILL @ 2776', C/O, LARGE AMT COAL TO SU
- CIRC HOLE, 5-10' FILL BETWEEN FLOWS, EST BWPD = 869
- CIRC HOLE, WELL MAKING FINE COAL, 25' FLARE, BWPD = 412
- RTCS, FLOW WELL: 420 MCFD, VERY HEAVY MIS 290 psi CP, COAL RETURNS DEMINISHING
- INJ AIR FOR CAV, C/O TO 8' FILL, PRODUCING COAL, HOLE SLOUGHING
- " " " ", C/O 8' FILL, PRODUCING COAL, NO CHANGE IN 25' FLARE
- SI FOR HOLIDAYS, SI HR SIP= 1300psi. BWP - 550, TAG C/O 5' FILL; TEST 750-1000 MCFD, 260# FCP 0.75" ch
- TAG @ C/O 8' FILL, VERY LITTLE COAL RETURNS — NO PROBS W/STICKING, PREP TO LOOP
- RUN 2⅜" TBG W/ EXP CHECK — MULE SHOE, EXP CHECK, 1 JT TBG, 1.78" ID SN ≈ 2531' TSA 2565' (4.7# J55)
- RDRL 12/28/89
- FLOW TEST WELL 12/31/89 - 1/7/90 FINAL FLOW TEST = FTP/FCP = 318/642 psi; 1206 MCFD, 816 BWPD

* NEVER BEEN UNDER-REAMED OR RECAV'd