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

5. Lease Designation and Serial No.
NM - 012647

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.
RIDDLE B #3

2. Name of Operator
AMOCO PRODUCTION COMPANY

Attention:
Nancy I. Whitaker

9. API Well No.
3004527938

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
830 FNL 1470 FEL Sec. 22 T 31N R 9W UNIT B

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 fill, finish underreaming well, run and perforate liner according to the attached procedures.

For technical information contact Miike Kutas 303-830-5159

RECEIVED
BLM
97 JAN 21 AM 9:52
070 FARMINGTON, NM

RECEIVED
JAN 27 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 01-17-1997

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____ Date JAN 21 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.

NMOCD

DISTRICT MANAGER

* See Instructions on Reverse Side

/S/ [illegible]

SJOET Well Work Procedure

Riddle B 3
Version: #1
Date: January 16, 1997
Budget: Well Repair
Work Type: **C/O /fin. underream./run liner**

Objectives:
1. C/O fill, finish underreaming well
2. Run and perf liner; Rod up well
3. Place well back on production

Pertinent Information:

Location:	830' FNL x 1470' FEL; 22B-T31N, R09W	Horizon:	FT
County:	San Juan	API #:	30-045-27938
State:	New Mexico	Engr:	Kutas
Lease:	Federal NM-012647	Phone:	H--(303)840-3700
Well Flac:	70454301		W-(303)830-5159
			P--(303)553-6334

Economic Information:

APC WI:	50%	Prod. Before Repair:	1.5MMCFD
Estimated Cost:	$90,000	Anticipated Prod.:	4.0MMCFD
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:	2964-TD	Gallup:	
Pictured Cliffs:		Graneros:	
Cliff House:		Dakota:	
		Morrison:	

Bradenhead Test Information:
Test Date: 7/92 **Tubing:** 330 **Casing:** 630 **BH:** 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments:

Riddle B 3:
Was able to produce the casing successfully until late-December. Production has since fallen off to 1500 MCFD and is steadily dropping.

Current wellbore info: 7" CSA 3097', OH at 3097-3300', 2 7/8" TSA 3133', Fill at 3152' KB (a ledge?)
Current flow info: 1500 MCFD, FTP=118 psi, FCP=135 psi, LP=130 psi

Short term plans:
1. C/O; Run and perf liner
2. Place on 320 beam lift

1. MIRURT--to be based on rig availability.
2. ND tree, rig up BOP's w/cavitation capability. Test BOE. TOH w/2 7/8" tubing (TSA 3133' w/blind mule shoe on btm, btm 10' of 1st joint perf'd, and SN 1 jt off btm.). **Note: TBG may be severely corroded and should be handled with care.**
3. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit and clean out fill from 3,152' to total depth (2980') using air and foam. Finish underreaming open hole section from 6 1/4" to 9 1/4-1/2" from 3260' to 3280'. Stabilize 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.
4. Run a blank 5.500" flush joint liner (Hydril 511) from TD back to approx. 2,950'. 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
5. RU HES, RUN GR-CCL to identify correct coal seam depths; TIH and Perforate as follows:

COAL ZONES		PERFORATIONS		
Ignacio #1/2	3,142 to 3,157'	3,142 to 3,157'	4 jspf	60 holes
Cottonwood	3,170 to 3,191'	3,170 to 3,191'	4 jspf	44 holes
Cahn #1	3,207 to 3,216'	3,207 to 3,216'	4 jspf	36 holes
Cahn #2	3,246 to 3,248'	3,246 to 3,248'	4 jspf	8 holes
Cahn #2	3,255 to 3,257'	3,255 to 3,257'	4 jspf	8 holes
		Total		**156 holes**

6. Pick up and run 2 7/8"TBG as follows:
   1) purge valve
   2) 2' slotted sub
   3) 2 10' tbg subs; top sub w/ 5/8" hole in middle
   4) 2 7/8" std. SN with retrievable plug in place
   3) remainder 2 7/8" TBG

   Land bottom of TBG at approximately 3265-70'. Pull retrievable plug. RDMODU.
7. RUSU and rod up well. **Turn well over to production. Note: bring well on slowly.**

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). The cost for a 320 pump jack is $45M (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 ____

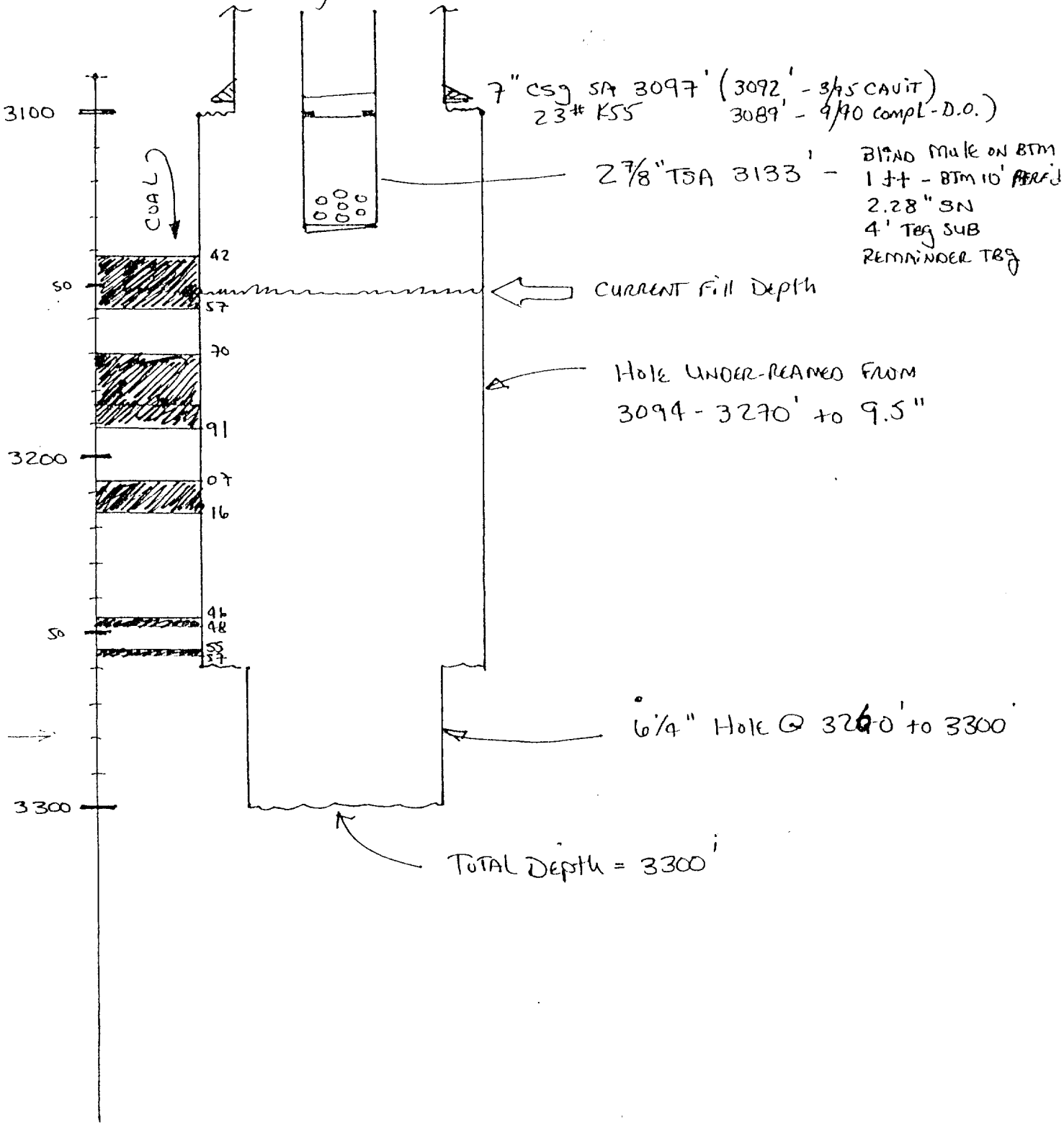
Appn ____

Date 1-14-97

By GMK

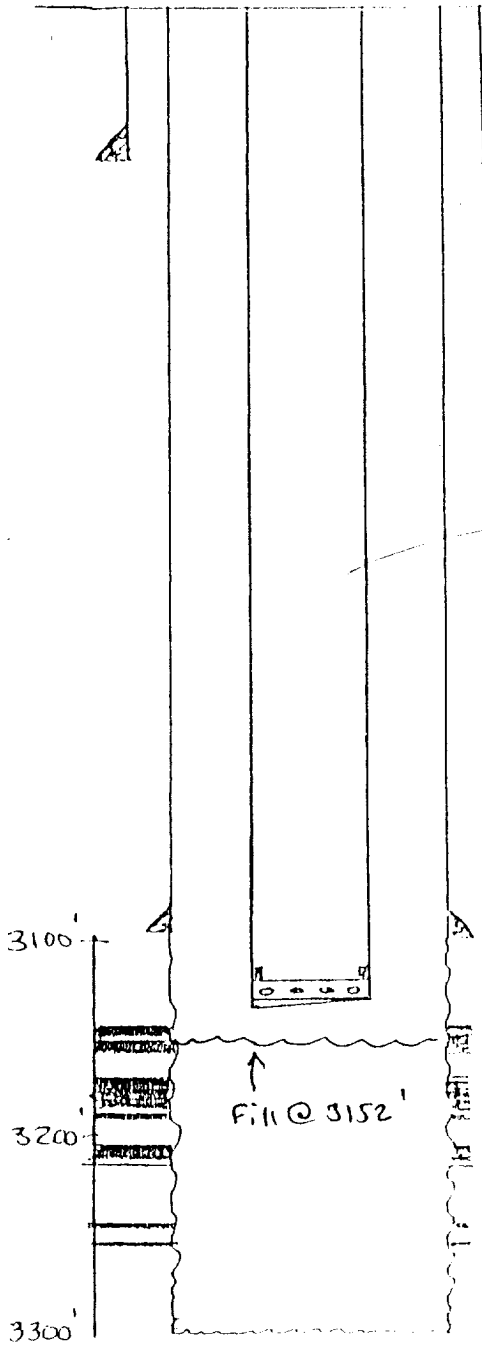
SUBJECT Riddle B 3

OPEN HOLE CONFIGURATION



Riddle B 3
SECT 22 - T31N - R9W, UNIT B

GMK
6-5-95



9 5/8" CSA 267'
36# K55
CMT circ'd

2 7/8" TSA 3133'
- ½ BLIND MULE SHOE
- 10' PERF SUB
- 1' 2.875 x 2.28" SN
6.5# J55

RUN 3/8/96

7" CSA 3097'
23# K55
CMT circ'd

IGNACIO 1,2	3142-47'	5'
	3198-57'	9'
COTTONWOOD 1,2	3170-84'	14'
	3186-91'	5'
CAHN 1,2	3207-14'	7'
	3215-16'	1'
	3246-98'	2'
	3255-57'	2'

OPEN HOLE FROM 3097' TO 3300'

NOTE: WELL RECAVITATED IN 3/95
REPLACED 2 7/8" TBG W/ 3½" TBG.