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.
SF - 078580-A

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.
MOORE B #3

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

9. API Well No.
3004527352

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)
1290 FNL 1220 FEL Sec. 5 T 30N R 8W UNIT A

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 ☐ Recompletion ☐ Plugging Back ☐ Casing Repair ☐ Altering Casing ☒ Other C/O RUN PERF LINER
☐ Subsequent Report	☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off ☐ Conversion to Injection ☐ Dispose Water
☐ Final Abandonment Notice	(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 C/O AND RUN A PERFORATED LINER IN THE ABOVE WELL ACCORDING TO THE ATTACHED PROCEDURES.

FOR TECHNICAL INFORMATION CONTACT MIKE KUTAS 303-830-5159

RECEIVED
OCT 20 1997
OIL CON. DIV.
DIST. 3

070 FARMINGTON NM

14. I hereby certify that the foregoing is true and correct
Signed Nancy I. Whitaker Title Staff Assistant Date 10-07-1997

(This space for Federal or State office use)

Approved by /s/ Duane W. Spencer Title _____ Date OCT 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

Mesa B 3

Version: #1
Date: October 7, 1997
Budget: Well Repair
Repair Type: **C/O, Run and perf liner**

Objectives:

1. C/O fill, perform minor cavitation (12-24 hrs), stabilize hole
2. Run and perf liner
3. Return well to production

Pertinent Information:

Location:	1290'FNLx1220'FEL; Sect 05A-T30N-R08W	Horizon:	FT
County:	San Juan	API #:	30-045-27352
State:	New Mexico	Engr:	Kutas
Lease:	SF-078580-A	Phone:	H-(303)840-3700
Well Flac:	703049		W-(303)830-5159

Economic Information:

APC WI:	50%	Prod. Before Repair:	**1550 MCFD**
Estimated Cost:	$70,000	Anticipated Prod.:	**2200 MCFD**
Payout:	<8 Months	Prod. Before Repair	
Max Cost -12 Mo. P.O.	$117M	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:	2910'	Gallup:	
Pictured Cliffs:		Graneros:	

Bradenhead Test Information:

Test Date: 5/29/96 **Tubing:** 130 psi **Casing:** 140 psi **BH:** 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

Comments:

Moore B 3

Well was cleaned out, TBG head replaced, and 4 1/2" TBG replaced w/2 7/8" in 11/96. In 1/97 the tubing was raised 30' and in 6/97, the tubing was lowered approx. 80'. The tbg is currently landed in the middle of the Cahn seam (3053-80') at 3065'. The current open hole completion is limiting both water and gas production, and the well requires frequent blowing to maintain production.

Current wellbore info: 7" CSA 2891', O.H. at 2891-3085', 2 7/8" TSA 3065'; No fill by 6/97 TBG tag
Current flow info: 1550 MCFD, FTP=45 psi, FCP=n/a psi, LP=45 psi

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 (2.25" Std SN sa approx. 3028'). 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 to total depth (3085') using air and foam. Cavitate well for 12-24 hours to clean up open hole section. C/O and stibilize hole as quickly as possible to allow running liner (**If needed**: 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	2,910 to 2,918'	2,910 to 2,918'	4 jspf	32 holes
Cottonwood	2,976 to 3,013'	2,989 to 3,013'	4 jspf	96 holes
Cahn	3,053 to 3,080'	3,053 to 3,080'	4 jspf	104 holes
		Total		**232 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 w/1/2 mule shoe
   2) 10' 2 7/8" tbg sub
   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 3070-75'. 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 4-5 days and to cost approximately $70,000 (see attached AFE form).

If problems are encountered, please contact:

Mike Kutas

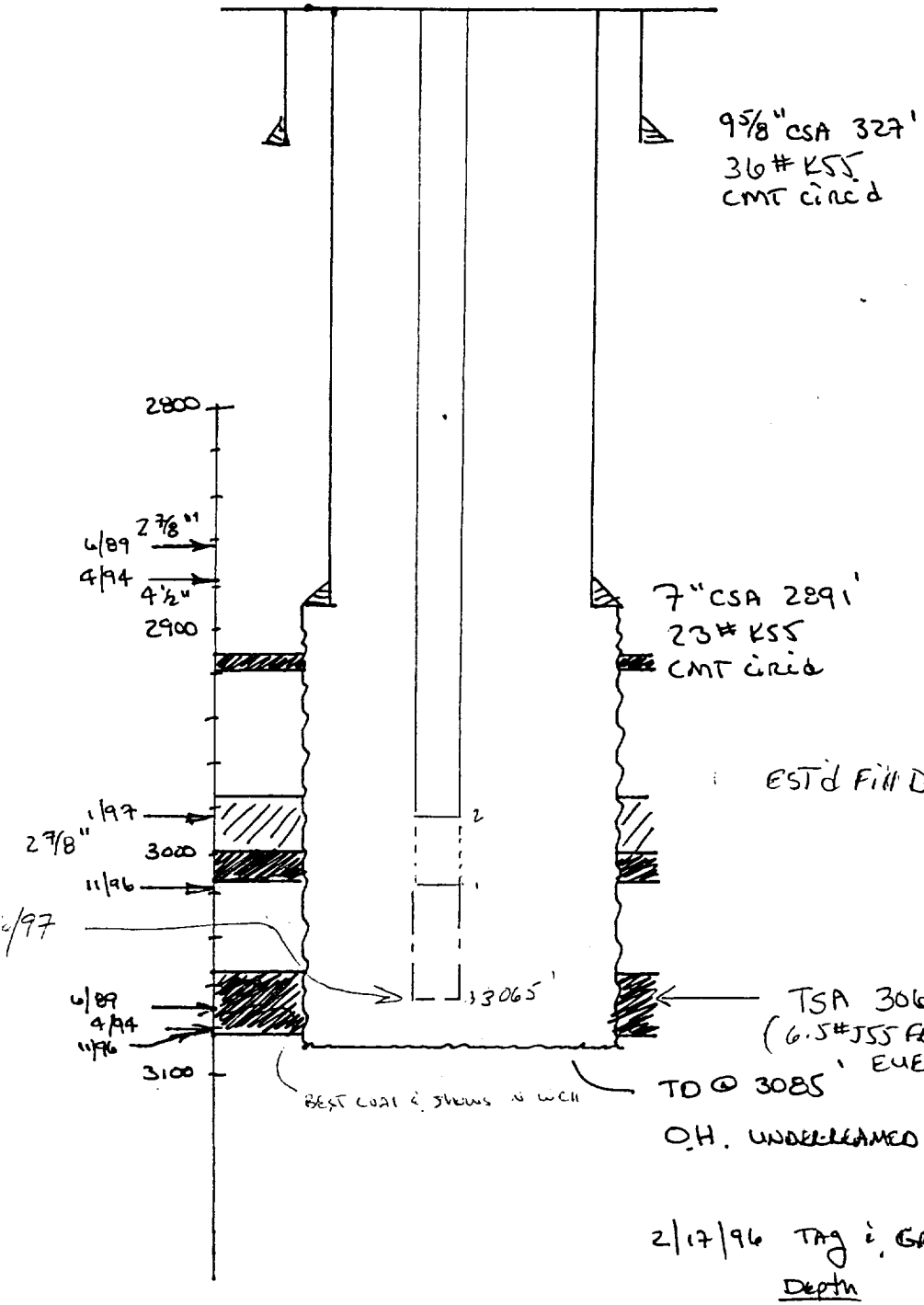
(W) (303) 830-5159
(H) (303)840-3700
(P) (303)553-6334

Amoco Production Company

ENGINEERING CHART

Sheet No. Of
File
Appn
Date 2-19-97
By GMK

SUBJECT Moore B 3



EST'd Fill Depth = 3085' (6/97 TAG TAG)

TSA 3065' (6.5# J55 FBW) EUE
Mule shoe on BTM w/ 2.25" Profile Nipple @ 1 Jt off BTM

TD @ 3085'

O.H. UNDERREAMED TO 9.5" (4/94)

2/17/96 TAG & GRAD; TAG FILL @ 2970'

Depth	PSIG	GRAD
0	132	—
1000	138	.006
2000	145	.007
2500	154	.018
2960	174	.043