

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

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

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Mike Curry

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4075

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

1840' FSL 1175' FWL Sec. 34 T 31N R 9W NW/4SW/4

5. Lease Designation and Serial No.

NM-013686

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Pritchard /B/ #5

9. API Well No.

3004526991

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal Gas

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
☐ Subsequent Report
☐ Final Abandonment Notice

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

- ☐ 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.)*

Workover well by stimulating openhole section using openhole completion technique. See attached procedures.

RECEIVED
JUL 21 1993
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
93 JUL 14 AM 10:23
070 FARMINGTON, NM

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

Signed

Michael Curry

Title

Business Analyst

Date

07-08-1993

(This space for Federal or State office use)**

Approved by

Conditions of approval, if any:

Title

APPROVED

JUL 19 1993

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.

DISTRICT MANAGER

* See Instructions on Reverse Side

NMOCD

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning

the use of this form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

SPECIFIC INSTRUCTIONS

Item 4 - If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones,

or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et. seq., 351 et. seq., 25 U.S.C. et. seq.; 43 CFR 3160.

PRINCIPAL PURPOSE - The information is to be used to evaluate, when appropriate, approve applications, and report completion of secondary well operations, on a Federal or Indian lease.

ROUTINE USES:

- (1) Evaluate the equipment and procedures used during the proposed or completed subsequent well operations.
- (2) Request and grant approval to perform those actions covered by 43 CFR 3162.3-2(2)
- (3) Analyze future applications to drill or modify operations in light of data obtained and methods used.
- (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING INFORMATION - Filing of this notice and report and disclosure of the information is mandatory once an oil or gas well is drilled.

The Paperwork Reduction Act of 1980 (44 U.S.C. 3501, et. seq.) requires us to inform you that:

This information is being collected in order to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

This information will be used to report subsequent operations once work is completed and when requested, to obtain approval for subsequent operations not previously authorized.

Response to this request is mandatory for the specific types of activities specified in 43 CFR Part 3160.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management, (Alternate) Bureau Clearance Officer, (WO-771), 18 and C Streets, N.W., Washington, D.C. 20240, and the Office of Management and Budget, Paperwork Reduction Project (1004-0135), Washington, D.C. 20503.

WORKOVER PROCEDURE
PRITCHARD "B" 5

OBJECTIVES: To (1) pull uncemented 5 1/2" 23# P-110 liner, (2) cleanout openhole, and (3) stimulate by recavitation of the Fruitland coals. Will attempt to do this work without killing the well.

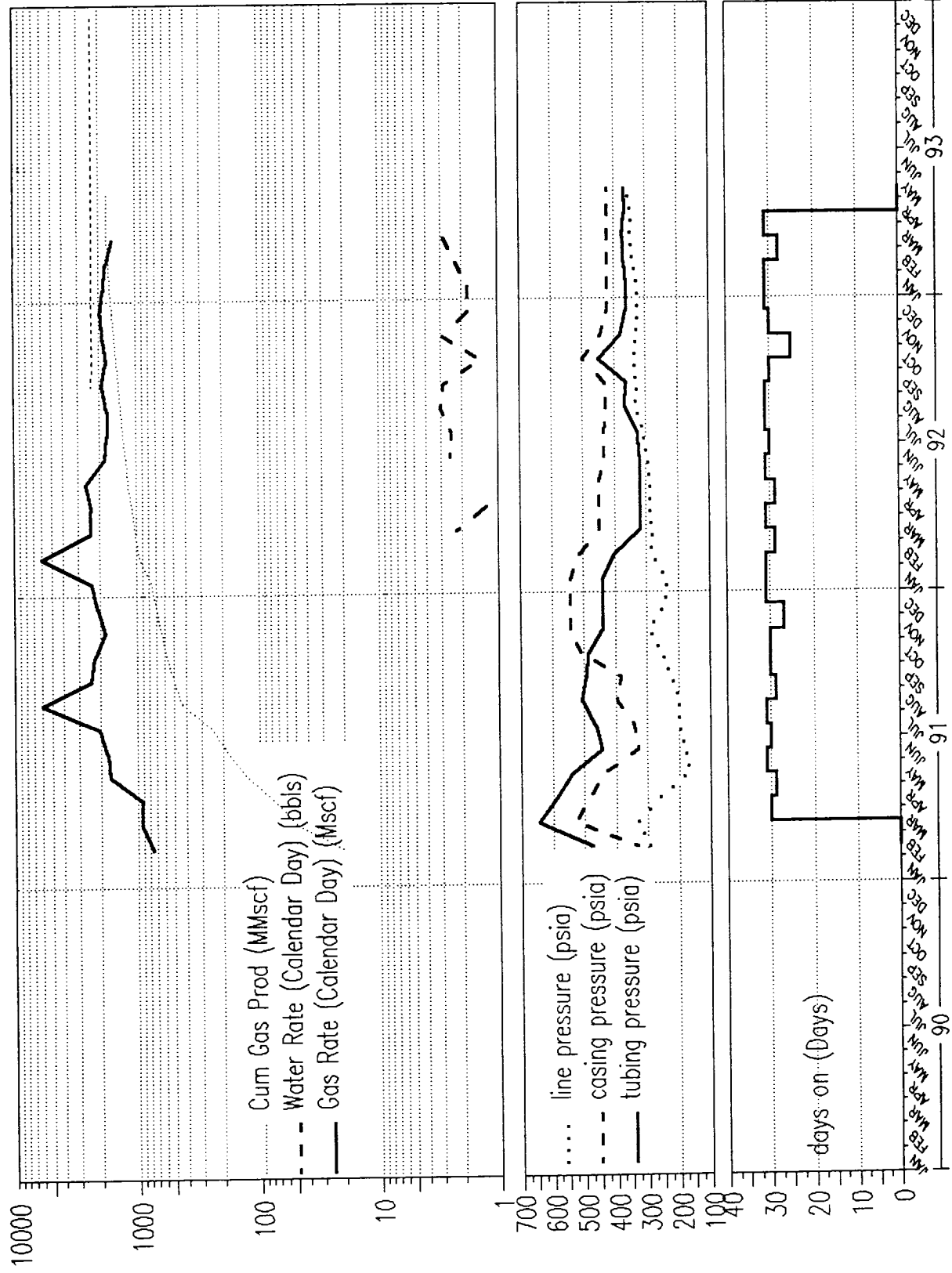
CURRENT WELL CONDITION: This well is an open-hole Fruitland coal producer drilled in 1989. 9 5/8" 36# K-55 casing was set at 257' and cemented to surface. 7" 23# K-55 casing was set at 2642' and cemented to surface. The well was drilled to a TD of 3013', the coals were cavitated for a week and a 5 1/2" 23# P-110 perforated liner was run to a depth of 3012'. The liner top is at 2562'. Perf plugs were drilled from 2759' to 3005'.

1. MIRU Big A #19 with associated openhole completion equipment.
2. Tag for fill and cleanout to PBTD. Note that completion reports indicate fill from 3005'-3010' to be aluminum plug debris. Also note that the last 3' of plugs were NOT drilled out.
3. RIH with bit or mill to drill/cleanout/mill the remaining plugs and float collar. RIH with a 4.5" mill to dress ID of casing.
4. RIH and attempt to latch onto the 5 1/2" liner, release the hanger and pull the liner into the 7" casing. Fishing equipment with jars might be necessary to break the liner free.
5. Pull 5 1/2" liner to 1500' and set liner hanger.
6. RIH with Baker's 4.25" PIP tool converted to an inflatable RBP and set below the bottom of the 5 1/2" liner in the 7" casing. Pressure test the RBP and cover with sand to protect the retrieving head.
7. With the well under control, RIH and latch onto the 5 1/2" liner and POH. LD liner.
8. RIH and wash sand off RBP. Release RBP and POH.
9. Using openhole completion techniques, cleanout the openhole section and stimulate the Fruitland coals. These operations should continue as long as flow rates are increasing with time and the wellbore is unstable.
10. Once hole is stabilized and no appreciable increase in gas rates are expected, RIH with production string of 2 7/8" TBG and return well to production.

PRICHARD B 5

OPERATOR : AMOCO PRODUCTION CO

WELL: 300452699100:FT



RIG FLOOR

10.81'

11.68' PBM

FMC 11" 3K x 7 1/4" 3K
TC-M TUBING HEADFMC 9 5/8" SON x 11" 3K
CSG HEAD2 6 JTS. CSG. CMT: 'B' + 2% CaCl₂
- TO SFC. -

CSA 257' KB

9.625" 36 PPF K-55 STXC

TOL 2561.71' R.F.

(HANGER: TIW 'JGS')

84 JTS 2 7/8" 6.5 PPF 8RD
FULL NORM. BODY62 JTS. CSG CMT: 450 SKS 65/35
+ 10% NaCl
+ 1/4 PPS CELLO S.
+ 100 SKS 'B' CMT
+ 2% CaCl₂
+ 1/4 PPS CELLO S.
- CMT TO SFC -

CSA 2642' KB

7.00" 23 PPF K-55 STXC

Drift ID = 6.241"

2 7/8" BAKER 'F' NIPPLE

1-JT 2 7/8" EUE 8RD 6.5 PPF
(3245)

2 7/8" TBG LND: 2768"

2 7/8" EXPENDABLE CHECK VALVE
(2.280 BORE)2759' RF
TOP PERFS

5.50" 23 PPF P-110 LTXC

Drift ID = 4.545"

12 JTS: 7 PERFS = 252.02'

5 REG. = 191.15'

TD: 3013' MD F/R.F.
(R.F.: RIG FLOOR)BTM PERFS
3008' RF

3005' BTM/OPEN PERFS

F.C. @ 3010'

5' FILL F/PLUGS

1.39

CSA 3012' RF

.66

SAWTOOTH COLLAR



Amoco Production Company

CASING AND TUBING TALLY

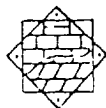
LEASE/UNIT/FACILITY PRITCHARD WELL No. B-5 DATE JULY 3, 1989
PIPE RUN SIZE 2.875" WEIGHT 6.5# GRADE J-55 TYPE JOINT EUE-8RD MAKE FULL BODY NORMALIZED NO. 2754.41
PIPE RUN SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____
PIPE RUN SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____

NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		TALLY OF JOINTS NOT RUN			
1		78		51		32 42		101				151		201		251		NO	LENGTH OF JOINT
2		32 45		52		32 46		102				152		202		252		1	32 43
3		1 10		53		32 47		103				153		203		253		2	31 51
4		32 45		54		32 44		104				154		204		254		3	32 42
5		32 47		55		32 44		105				155		205		255		4	32 46
6		32 47		56		32 42		106				156		206		256		5	32 46
7		32 43		57		32 42		107				157		207		257		6	32 49
8		32 47		58		32 43		108				158		208		258		7	32 47
9		32 44		59		32 43		109				159		209		259		8	32 46
10		32 43		60		31 55		110				160		210		360		9	32 41
11		32 42		61		32 52		111				161		211		261		10	
12		32 44		62		32 45		112				162		212		262		11	
13		32 46		63		32 46		113				163		213		263		12	
14		32 43		64		32 45		114				164		214		264		13	
15		32 44		65		32 41		115				165		215		265		14	
16		32 48		66		32 46		116				166		216		266		15	
17		32 45		67		32 42		117				167		217		267		16	
18		32 43		68		31 46		118				168		218		268		17	
19		32 45		69		32 43		119				169		219		269		18	
20		32 44		70		32 47		120				170		220		270		19	
21		32 48		71		32 44		121				171		221		271		20	
22		32 43		72		31 57		122				172		222		272		21	
23		32 49		73		32 45		123				173		223		273		22	
24		32 47		74		32 43		124				174		224		274		23	
25		32 47		75		32 45		125				175		225		275		24	
26		31 49		76		32 48		126				176		226				291.11	
27		32 48		77		32 46		127				177		227					
28		32 43		78		32 45		128				178		228		NO. JOINTS DELIVERED		94	
29		32 46		79		32 43		129				179		229		NO. JOINTS RUN		85	
30		32 49		80		32 43		130				180		230					
31		32 47		81		32 44		131				181		231		TOTAL RUN—OVERALL		2756.29	
32		32 45		82		32 47		132				182		232		OFF FOR THREADS		- N/A -	
33		32 46		83		32 44		133				183		233		TOTAL—THREADS OFF		2756.29	
34		32 43		84		32 42		134				184		234		TOP PIPE BELOW:			
35		32 46		85		32 46		135				185		235		☐ ROTARY DRIVE BUSHING			
36		32 47		86		32 45		136				186		236		☒ UEBRICK FLOOR		11.81	
37		32 48		87		32 46		137				187		237		DEPTH LANDED		2768.10	
38		32 45		(88)		32 43		138		LND'G JT.		188		238		REMARKS:		TORQUE = 1650#	
39		32 48		(89)		31 51		139				189		239				#1 EXPENDABLE CHECK VALVE	
40		32 43		(90)		32 42		140				190		240				#3 BAKER 2.25" F' NIPPLE	
41		32 44		(91)		32 46		141				191		241				— CHECK RUMPED OUT —	
42		32 41		(92)		32 46		142				192		242				#96 TUBE DAMAGE—PIN	
43		32 42		(93)		32 49		143				193		243				#88-95 EXTRA JTS	
44		32 47		(94)		32 47		144				194		244				— USED TO. P PLUGS —	
45		32 45		(95)		32 46		145				195		245				ST. WT. 17,900#	
46		32 44		(96)		32 41		146				196		246				Measure tubular goods with steel tape	
47		32 48		97				147				197		247				only. Use white tape when possible.	
48		32 41		98				148				198		248				Record tape readings in feet and	
49		32 46		99				149				199		249				hundredths.	
50		32 42		100				150				200		250					

LEGEND

SHALES

GY	SS
BLK	LS
BRN	DOL
GN	COAL
RED	



Four Corners Contracting Service
Geoscience Consulting Firm
Post Office Box 9101
Durango, Colorado 81301
303-259-0655

ELEV G.L. 6200 K.B. 6211
DEPTH LOGGED FROM 2636 TO 3013
DATE LOGGED: FROM 6/22/89 TO 6/24/89
MUD TYPE Fresh Water
MUD CO.

CHROMATOGRAPH ANALYSIS

Total Gas = 156 Units/Division
C 1 = 100 Units/Division
C 2 = 240 Units/Division
C 3 = 248 Units/Division
C 4 = 1184 Units/Division

WELL BRITCHARD B5 5
LOCATION: SEC 34 T 31 N R 9 W
COUNTY La Plata FSL STATE 175 FWL Colorado
OPERATOR AMOCO PRODUCTION COMPANY

MUD DATA & RIG MECH	PENETRATION RATE MINUTES/FOOT	LITHOLOGY		FORMATION DESCRIPTION	CHROMATOGRAPH C-1---C-2---C-3---C-4--- UNITS PER DIVISION			
		INT.	DEPTH %					
Drake 25 Drilling Contractor Phonics Drilling B 12:40pm 6/22/89 DML ready to log drilling w/ fir 1 Smith F-2.61/A Drilling shoe @ 2642.			20		100	500	1500	2000
			Est. Gasing @ 2636					
WOB 10000 RPM 60 PP 1000 SPR 91			3640	Cement in Sample				
			Formation	SH-mgy, sft-fm, sbwxy, tr carb, sil				
			60	SH-dkgy-blk, sft-fm, sbwxy w/abnt uncons calc & Ben				
			80	SH-m-dkgymocc blk hd, sbwxy, sil w/ tr calc xls & Ben				
			80	SH-lt-mgy, hd, wxy, sl calc w/calc				
			2700	SH-dkgy, blk, sft-fm, rthy, sl calc, w/ trqtz xls				
			20	SS-wh, ltgy, brn, hd fri, vfgr, sbang, wst, mcl flr				
			40	SLTST-ltbrn, gy, fri, sdy ip, arg w/calc				
			60	SS-wh, ltgy, fri-uncons, calc cnt, tr arg wst				
			80	SS-wh, gy, ltbrn, vfgr, trglac, brn stn no cut				
			6/23/89	SLTST-gy-ltbrn, fri, s arg, calc, w/ calc xls				
			60	SS-wh, gy w/ tr brn stn, vfgr, fri, calc, del org flr, No cut				
			80	SLTST-gy-ltbrn, arg, calc, fri				
			2800	LS-ltbrn, tan, wh, sft-fm, micln, arg				
				SI-dkgy-blk, rthy, frm pky, tr coal, pyr, 10 %Calc				
				TR BENT TR COAL-blk, dul ethy, pos strng				
				SI-lt-dkgy-blk, sft-hd w/coal lns, pred rthy				
				COAL-blk w/vitlns, fm p cltg, no frac faces noted w/SS-gy, wh, carb				
				stn No cut				
				SI-lt-mgy-blk, silv				

