

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-080517

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Julie L. Acevedo

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

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

730FNL 1585FEL Sec. 21 T 32N R 10W

8. Well Name and No.

Best Gas Com /DK/ #1

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Dakota

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 APD Revision

- ☐ 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 your approval of the attached casing, liner and cementing revisions to the application for permit to drill submitted on 10/22/93.

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RECEIVED
NOV 22 1993
OIL CON. DIV. I
DIST. 3

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

Signed

Julie L. Acevedo

Title

Sr. Staff Assistant

Date

11-05-1993

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

NOV 15 1993

DISTRICT MANAGER

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.

FINAL COPY

AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAMFile: H:\group\srbu\nmexdk\dak547146.wk3
Revision Date: 11/04/93Lease: Best Gas Com
County: San Juan, New Mexico
Formerly Reference Well #547Well No. 1
Location: 730' FNL x 1585' FEL, Sec. 21, T32N, R10W
Field: Basin Dakota

OBJECTIVE: Evaluate and develop Pictured Cliff, Mesa Verde and Dakota reserves.

METHOD OF DRILLING			APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING		6,244 Est. GL Elev.		6,260 Est. KB Elev.	
Rotary	0 – TD		Marker	Depth (ft)	SS Elev. (ft)	
LOG PROGRAM			Ojo Alamo (Base)	2,164	4,096	
Type	Depth Interval		Fruitland	2,600	3,660	
HRI – DIL – CAL – NGT – GR	SFC to TD	Mud Hole	Pictured Cliffs *	3,070	3,190	
FDC – CNL	SFC to TD	Mud Hole	Lewis Shale	3,260	3,000	
MICROLOG	TD + 1000'	Mud Hole	Cliff House *	4,930	1,330	
MRI	*ICP to Top Fruitland (6" tool)		Menefee	5,010	1,250	
	**TD to PCP (4.5" tool)		Point Lookout *	5,345	915	
Epithermal Neutron/			Mancos Shale	5,792	468	
Spectral Density/Temp Log	PCP – ICP	Air Hole	Greenhorn	7,400	(1,140)	
DIL – Cal – GR	PCP – ICP	Air Hole	Dakota #	7,539	(1,279)	
REMARKS:			TOTAL DEPTH:	7,864	(1,604)	
Magnetic Resonance Image (MRI), pulls at 3'/min.			# Probable completion interval			
(409) 836 – 2955 (Numar, Brenham District).			* Possible pay.			
			OJO ALAMO IS POSSIBLE USEABLE WATER.			
SPECIAL TESTS			DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE	DEPTH INTERVAL, ETC		FREQUENCY	DEPTH	FREQUENCY	DEPTH
			10'	PCP – TD	Geologist	0 – TD
None			Remarks:			
Remarks:			Mudlogging Program:			
			Full two man mudlogging services for PCP to TD.			

MUD PROGRAM:

Approx Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min
0 - SCP	SPUD	8.5 - 9.0	Sufficient to clean hole and maintain hole conditions for logs.	
SCP - ICP	LSND	8.8 - 11.0		
ICP - PCP	AIR	-		
PCP - TD	LSND	9.5 - 10		

REMARKS:

* Use minimum mud weight to control formation pressures.

CASING PROGRAM:

Casing String	Estimated Depth (ft)	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface (SCP)	400	13-3/8"	17-1/2"	1,2
Intermediate (ICP)	3,410	9-5/8"	12-1/4"	1,2,3
Protective (PCP)	7,400	7"	8-3/4"	2,4
Production (TD)	7,864	4-1/2"	6-1/4"	2,5

Remarks:

1. Circulate cement to surface.
2. Southern Rockies Drilling Team to design cement programs.
3. Casing set 150' into Lewis Shale.
4. Casing set at top of Greenhorn, or at discretion of Amoco Geologist.
5. Casing set 50' into Morrison.

GENERAL REMARKS:

Southern Rockies Dakota Engineer to design completion program.

Revised for tops

Form 46 Reviewed by:

PREPARED BY:

F. Seidel/A. Logan

Form 46 7-84bw

Logging program reviewed by:

APPROVED:

For Production Dept

APPROVED:

For Exploration Dept

Formerly Reference Well #547

Amoco proposes to drill the well to further develop the Dakota reservoir.

The well will be drilled to the surface casing point using native mud.

The well will then be drilled to the intermediate casing point with a non-dispersed mud system.

The protective hole will be drilled with air to 20' above the top of the Dakotawere protective casing will be set.

The production hole will be drilled with a non-dispersed mud system to TD.

Surface Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
400	13.375	61	J-55, ST&C	625 cf Class B, 2% CaCl ₂ + 0.25 #/sx Flocele. 1.18 cf/sx, 15.6 ppg

Hole size 17.5", 125% excess, circulate cement to surface.

Intermediate Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
3410	9.625	36	J-55, LT&C	* 2 stage

* 1st Stg Tail: 627 cf Class B, 0.4% CFR-3, 0.4% Halad 344, 5 #/sx Gilsonite,
+ 0.25 #/sx Flocele.
1.29 cf/sx, 15.11 ppg.

Top of Fruitland Coal 2600 ft
Stage tool depth 2500 ft, 100' above top of Fruitland Coal.

* 2nd Stg Lead: 1594 cf Class B, 65:35:6, 7#/sx salt, 0.375 #/sx Flocele, 5% Calseal,
2% Microbond.
1.8 cf/sx, 13.0 ppg.

* 2nd Stg Tail: 129 cf Class B, 0.4% CFR-3, 0.4% Halad 344, 5 #/sx Gilsonite,
+ 0.25 #/sx Flocele.
1.29 cf/sx, 15.6 ppg.

Hole size 12.25", 120% excess, circulate cement to surface.

Protective Casing:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
7400	7	23	J-55, LT&C	* 2 stage

* 1st Stg Tail: 714 cf Class B, 50/50 poz, 2% gel, 0.4% Halad 413, 0.1% SCR 100,
5 #/sx Gilsonite, 5% Microbond HT, 0.4% VersaSet, 0.25 #/sx Flocele.
1.35 cf/sx, 13.4 ppg.

Top Picture Cliffs 3070 ft Est TCMT 2970
Top of Mesa Verde 4930 ft
Stage tool depth 4430 ft, 500' above top of Mesa Verde.

* 2nd Stg Tail: 319 cf Class B, 50/50 poz, 2% gel, 0.4% Halad 413,
5 #/sx Gilsonite, 5% Microbond HT, 0.4% VersaSet, 0.25 #/sx Flocele.
1.35 cf/sx, 13.4 ppg.

Hole size 8.75", 60% excess, circulate cement to surface.

Production Liner:

Quantity (ft)	Size (in)	Wt. (ppf)	Description	Cement program
664	4.5	11.6	N-80, LT&C	* single stage

* 1st Stg Tail: 114 cf Class G, 35% SSA 1, 1.0% CFR 3, 0.5% Halad 24,
0.25 #/sx Flocele.
1.56 cf/sx, 15.6 ppg.

Estimated Total Depth 7864 ft
Estimated Top of Liner 7200 ft 200' overlap into intermediate casing.

Hole size 6.25", 60% excess, tie cement back.

BY: FRANK SEIDEL/BARRY PEISER 11/04/93

= input depths from form 46 in shaded areas to calculate cement volumes.

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