

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:
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)
1650FSL 1110FEL Sec. 6 T 27N R 10W

5. Lease Designation and Serial No.
SF-077384

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Kutz Federal XJ/ #2E

9. API Well No.
3004529114

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	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other Revise APD	<input type="checkbox"/> 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 and cementing revisions for the application for permit to drill approved on May 5, 1994.

RECEIVED
MAR 20 1995
OIL CON. DIV.
DIST. 3

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

Signed Julie L. Acevedo Title Sr. Staff Assistant Date 03-12-1995
(This space for Federal or State office use)

Approved by _____ Title _____
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.

* See Instructions on Reverse Side

NMOC

APPROVED

MAR 15 1995

DISTRICT MANAGER

CEMENTING PROGRAM

Kutz Federal 'J' #2E

Well Name:	Kutz Federal 'J' #2E	Field:	Basin Dakota
Location:	1650' FSL X 1110' FEL, Sec 06, T27N, R10W	API No.	
County:	San Juan	Well Flac	
State:	New Mexico	Formation:	Dakota
		KB Elev. (est.)	6025 ft.
		GL Elev. (est.)	6012 ft.

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Casing Weight (lb/ft.)	Casing Grade	Thread	TOC (ft.)
Surface	250	8.75	7.000	23	J-55	8R, LT&C	Surface
Production	6,645	6.25	2.875	6.5	N-80	8R, EUE	Surface

Casing Properties:

(No Safety Factor Included)

Casing String	Casing Weight (lb/ft.)	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Torque(ft. lbs.) Opt/Min/Max	Drift (in.)
Surface	23	4360	3270	313	0.0393		6.241
Production	6.4	10570	11160	144	0.00579		2.347

Mud Program:

Apx. Interval (ft.)	Mud Type	Mud Weight (lb/gal)	Recommended Mud Properties Prior Cementing:
			PV < 20
			YP < 10
			Fluid Loss < 15
0 - SCP	Spud	8.6-8.8	
SCP - TD	LSND	8.8-9.2	

Cementing Program:

	Surface	Production(foam)
Excess %, Bit	75	60
Excess %, Caliper	NA	15
BHST (est. deg. F)	60	160
Pipe Movement	NA	Rotate 10-20 rpm
Rate, Max. (bpm)	1 truck	6
Rate, Recommended (bpm)	8	4
Pressure, Max. (psi)	200	2000
Shoe Joint	40'	80
Batch Mix	NA	NA
Circulating prior cmtng (hr.)	0.5	2
Time Between Stages,(hr.)	NA	NA
Special Instructions	1,6,7	2,4,6,8

- 1 Do not wash pumps and lines
- 2 Wash pumps and lines.
- 3 Do not reverse out
- 4 Run Blend Test on Cement
- 5 Record Rate , Pressure, and Density on 3.5" disk
- 6 Confirm densometer with pressurized mud scales
- 7 1" cement to surface if cement is not circulated.
- 8 If cement is not circulated to the surface, run temp. survey 10-12 hr. after landing plug.

Notes:

- *** Displace top plug on the production casing job with 0.2% Clay Fix II or 2% KCl water.
- *** Do not wash up on top of plug. Wash pumps and lines. We want to do rig less completions.

CEMENTING PROGRAM
Kutz Federal 'J' #2E

Surface:

Preflush	20 bbl.	Fresh Water + dye marker	
Slurry 1 TOC@Surface	100 sk	Standard Cement + 2% CaCl ₂ + 1/4 lb/sk floccle	95 cu. ft.

Slurry Properties:	density (lb/gal)	yield - (ft ³ /sk)	water (gal/sk)
slurry 1	15.60	1.18	5.20

Casing Equipment: (Halliburton) 7", 8R, ST&C

- 1 Type M Guide Shoe
- 1 Insert Float w Auto Fill
- 1 Weld A
- 3 S-4 Centralizer
- 1 Top Wooden Plug

CEMENTING PROGRAM

Kutz Federal 'J' #2E

Production: (Foam Cement)

Preflush	20 bbl. 40 bbl.	Mud Flush + dye marker + 150 scf/bbl nitrogen Fresh Water + 150 scf/bbl nitrogen	
Lead Cement Slurry 1		50/50 Std. Cmt/Poz A + Nitrogen + 2% gel (total) + 5 lb/sk gilsonite + 0.4% Halad-344 + 1/4 lb/sk flocele	1000 cu. ft.
Tail Cement Slurry 2 TOC@5500		50/50 Std. Cmt/Poz A + 2% gel (total) + 5 lb/sk gilsonite + 0.4% Halad-344 + 1/4 lb/sk flocele	230 cu. ft.
Top Out Cement Slurry 3	85 sk	Standard Cement + 2% Calcium Chloride	100 cu. ft.

Slurry Properties:

	surf. density (lb/gal)	foam density (lb/gal)	surf. yield (ft3/sk)	foam yield (ft3/sk)	water (gal/sk)	nitrogen rate (scf/bbl)	depth of fill (ft)
slurry 1	13.50	10.00	1.32	1.96	5.59	150	500 - 2500
slurry 1	13.50	10.00	1.32	1.89	5.59	300	2500 - 4000
slurry 1	13.50	10.00	1.32	1.93	5.59	430	4000 - 5500
slurry 2	13.50	NA	1.32	NA	5.59	NA	5500 - TD
slurry 3	15.60	NA	1.18	NA	5.20	NA	0 - 500

Note: The job should be pumped at 6 bpm max FOAM rate. Do not exceed 6 bpm on displacement.
Slow to 2 bpm for the last 40 bbl of displacement. Displace with 2% KCl or 0.2% Clay Fix II water.
This is to be a rigless completion.

Casing Equipment: Halliburton 2 7/8", 8R, EUE, (no need to cut long pin)

- 1 Super Seal II Float Shoe
- 25 S-4 Fluidmaster Centralizer 1st 10 centralizers. everyother joint, then one every 10 joints,
1 above and below the Ojo Alamo
- 1 Lock Clamp
- 1 Weld A
- 1 Omega Latch Down Plug and Baffle

AMOCO PRODUCTION COMPANY
DRILLING and COMPLETION PROGRAM

Lease: Kutz Federal J
 County: San Juan New Mexico
 Former name:

Well No. #2E
 Surface Location: 1650' FSL & 1110' FEL of Section 6, T27N, R10W
 Field: GCU - Basin Dakota

OBJECTIVE: Develop Dakota Gas formation.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL-----Estimated KB	6012	6025
Rotary	Ground Level - TD	Marker	Depth (ft.)	SS Elev. (ft.)
LOGGING PROGRAM TYPE SP-GR-Cal-HRI-SDL-DSN-ML (Triple Combo)	DEPTH Minimum run required	Ojo Alamo	860	5,165
		PC	1,890	4,135
		Lewis Shale	2,075	3,950
		Cliff House	3,410	2,615
		Menefee Shale	3,546	2,479
		Point Lookout	4,245	1,780
		Mancos	4,605	1,420
		Gallup	5,417	608
		Greenhorn	6,225	-200
		Dakota **	6,306	-281
		TOTAL DEPTH	6,645	-620
		* Possible pay		

Logging Program Remarks:
 **Probable completion
 Ojo Alamo is possible usable water

SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY	DEPTH
None				Geograph	Int - TD

Remarks:
 Mud Logging Program: Two man unit across Dakota.
 Coring Program: None

MUD PROGRAM:					
Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt	W/L, cc's/30 min.	
0 - 250'	Spud				
250' - 3500' (1)	Water	8.6 - 8.8	Sufficient to clean hole	N/C	
3500' - TD (2) (3)	LSND	8.8 - 9.2	Sufficient to clean hole and run logs	As required	

Mud Program Remarks:
 1 - The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.
 2 - Mud up at the top of the Mancos Shale.
 3 - Sweep the hole as necessary.

CASING PROGRAM:				
Casing String	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor				
Surface	250	7"	8.75"	1
Production	6,645	2-7/8"	6.25"	1, 2

Casing Program Remarks:
 1 - Circulate cement to surface.
 2 - Production cement to be designed by Denver drilling staff.

GENERAL REMARKS:

Business Unit Engineering staff to design completion program.

Form 46 Reviewed by:	Logging program reviewed by:	
PREPARED BY:	APPROVED:	APPROVED:
P. Edwards/Logan/Ovitz		
Form 46 7-84bw	For Production Dept	For Exploration Dept
Date: 2/27/95	Rev. Date: 2/27/95 13:02	File: kutzj02e.xlw