

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
*Do not use this form for proposals to drill or to re-enter an
abandoned well. Use form 3160-3 (APD) for such proposals.*

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
SF - 078051

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement Name and/or No.

8. Well Name and No.
NEAL 2E

9. API Well No.
3004524921

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

11. County or Parish, and State
SAN JUAN NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

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

2. Name of Operator
AMOCO PRODUCTION COMPANY

3a. Address P.O. BOX 3092
HOUSTON, TX 77079

3b. Phone No.(include area code)
281.366.4491

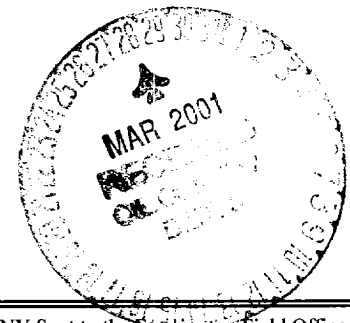
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1520FWL 2060FNL

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be files within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amoco Production Company request permission to squeeze the Morrison perforations, cleanout wellbore, re-land tubing with contingency to acidize if scale is detected. Please see attached for well work procedure.



Electronic Submission #3154 verified by the BLM Well Information System for AMOCO PRODUCTION COMPANY Sent to the Farmington Field Office
Committed to AFMSS for processing by Maurice Johnson on 03/25/2001

Name (Printed/Typed) MARY CORLEY Title AUTHORIZED REPRESENTATIVE

Signature Date 03/22/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date 3/26/01

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Neal 2E

ACTION: Squeeze Morrison perforations, cleanout wellbore, re-land tubing with contingency to acidize if scale is detected.

PROCEDURE:

1. Check anchors. Check and record tubing, casing, and Bradenhead pressures. Tag and flag valves and bleed flow line pressure to zero. MIRU workover rig. Rig up a diversion spool with two 3" outlets and 3" pipe to the blow tank
2. Blow down wellhead. If necessary, kill with 2% KCl water.
3. ND down Christmas tree & NU rig BOP's w/ pipe & blind rams. Pressure test to 500 psi.
4. TOH with tubing, lay down, and send tubing in for inspections (2 3/8", 4.7#, J-55, @ 7396'). Carefully visually inspect the tubing for potential holes (**Note: SL indicates fill @ 7600' and fluid @ 7129'**) and scale, and report condition on morning report.
Contingency: If scale is detected on the tubing, consult the engineer about acidizing the well.
5. Set cement retainer between bottom of Dakota perforations (7473') and top of Morrison perforations (7567').
6. TIH with work string and sting into cement retainer.
7. Squeeze Morrison perforations (7567' – 7571', 8 total shots) as per Schlumberger design.
8. TIH with bit and drill out cement 7590'. Pressure test casing to 500 psi.
9. Drill out remaining cement.
10. Cleanout fill to PBTD at 6500'.
11. TIH with 2-3/8", 4.7# production tubing and land tubing at +/- 7465'. Rabbit and RIH with tubing with an F-nipple and plug on bottom. Fill tubing while RIH and periodically pressure test to 500 psi. Replace any tubing joints that fail to pressure test. Swab water from the tubing using the sandline on the rig. RU slickline and run gauge ring to ensure the tubing drifts. Pull plug with slickline. Clean out to PBTD. Flow to cleanup tank.
12. ND BOP's. NU WH. Notify pumper that well is ready to be returned to production. Swab in well with sand line and flow back for a few hours on a choke to ensure well is ready to produce and unloaded before turning well over to pumper to return to production.

NEAL 2E

Country: UNITED STATES	County: SAN JUAN	Event: ORIG COMPLETION	Wellbore: OH
Region: LOWER 48 & CANADA	State: NEW MEXICO	Event Start: 10/3/1981	Top TMD: 0.0 ft
Bus. Unit: WESTERN US GAS		Event End: 1/11/1982	Bottom TMD: 7,776.0 ft
Asset: SAN JUAN		Contractor: <no data>	Spud: 10/3/1981
District: FARMINGTON			

Casing Components	Top	Well sketch	Cement	Perforations
Tubing: 2.375, 4.7#, J-55, BJE, N-80 cplg	0.00 ft/5,345.00 ft		0.0 - 243.0	
Liner Hanger, packer type	5,189.00 ft		3,851.0 - 5,345.0	
Casing, 4-1/2", 10.5#, J-55	5,200.70 ft		5,189.0 - 7,776.0	
Casing, 4-1/2", 11.6#, K-55	6,952.35 ft			
				1 /ft - 7,279.00 ft - 7,292.00 ft
				1 /ft - 7,359.00 ft - 7,367.00 ft
				1 /ft - 7,381.00 ft - 7,386.00 ft
				1 /ft - 7,397.00 ft - 7,400.00 ft
				1 /ft - 7,407.00 ft - 7,411.00 ft
				1 /ft - 7,428.00 ft - 7,430.00 ft
				1 /ft - 7,460.00 ft - 7,473.00 ft
				2 /ft - 7,567.00 ft - 7,571.00 ft
Float collar, 4-1/2"	7,727.99 ft		7,670.0 - 7,776.0	
Casing, 4-1/2", 11.6#, K-55	7,728.99 ft			
Float collar, 4-1/2"	7,775.39 ft/7,776.39 ft			

NEAL 2E

Country:	UNITED STATES	County:	SAN JUAN	Event:	ORIG COMPLETION		
Region:	LOWER 48 & CANADA	State:	NEW MEXICO	Event Start:	10/3/1981	Wellbore:	OH
Bus. Unit:	WESTERN US GAS	Asset:	SAN JUAN	Event End:	1/11/1982	Top TMD:	0.0 ft
District:	FARMINGTON	Contractor:	<no data>	Bottom TMD:	7,776.0 ft	Spud:	10/3/1981

Cementing Information

Primary 10/4/1981

Stage Type	Slurry Type	Class	Top	Bottom	Density	Yield	Total Vol
			0.0 ft	243.0 ft	0.0 ppg	0.00 ft ³ /sk	0.0 bbl

Primary 10/28/1981

Stage Type	Slurry Type	Class	Top	Bottom	Density	Yield	Total Vol
			3,851.0 ft	5,345.0 ft	0.0 ppg	0.00 ft ³ /sk	0.0 bbl

Primary 11/20/1981

Stage Type	Slurry Type	Class	Top	Bottom	Density	Yield	Total Vol
			5,189.0 ft	7,776.0 ft	0.0 ppg	0.00 ft ³ /sk	0.0 bbl

Plug 11/21/1981

Stage Type	Slurry Type	Class	Top	Bottom	Density	Yield	Total Vol
			7,670.0 ft	7,776.0 ft	0.0 ppg	0.00 ft ³ /sk	0.0 bbl

Surface Casing		Top: 0.00 ft	Status: INSTALLED
Install Date: 10/4/1981	Bottom: 0.0 ft	Pull Date: <no data>	
Size	Component Details	Length	Min ID
9.625 in	Casing, 9-5/8", 36#, K-55, 8 RND ST+C	243.00 ft	8.921 in
Intermediate Casing 1		Top: 0.00 ft	Status: INSTALLED
Install Date: 10/28/1981	Bottom: 5,345.0 ft	Pull Date: <no data>	
Size	Component Details	Length	Min ID
7.000 in	Casing, 7", 23#, K-55, 8 RND ST+C	5,345.00 ft	6.366 in
Liner 1		Top: 5,189.00 ft	Status: INSTALLED
Install Date: 11/20/1981	Bottom: 7,775.4 ft	Pull Date: <no data>	
Size	Component Details	Length	Min ID
4.500 in	Liner Hanger, packer type	11.70 ft	0.000 in
4.500 in	Casing, 4-1/2", 10.5#, J-55	1,751.65 ft	4.052 in
4.500 in	Casing, 4-1/2", 11.6#, K-55	775.64 ft	4.000 in
4.500 in	Float collar, 4-1/2"	1.00 ft	0.000 in
4.500 in	Casing, 4-1/2", 11.6#, K-55	46.40 ft	4.000 in
4.500 in	Float collar, 4-1/2"	1.00 ft	0.000 in
Tubing		Top: 0.00 ft	Status: INSTALLED
Install Date: 11/26/1981	Bottom: 7,396.0 ft	Pull Date: <no data>	
Size	Component Details	Length	Min ID
2.375 in	Tubing: 2.375, 4.7#, J-55, EUE, N-80 cplg	7,396.00 ft	1.995 in

NEAL 2E

Perforating Information

INITPERF

Date: 11/21/1981

Formation	Top Depth	Bottom Depth	Shot Density
DAKOTA	7,567.00 ft	7,571.00 ft	2 /ft

INITPERF

Date: 11/25/1981

Formation	Top Depth	Bottom Depth	Shot Density
DAKOTA	7,279.00 ft	7,292.00 ft	1 /ft
DAKOTA	7,359.00 ft	7,367.00 ft	1 /ft
DAKOTA	7,381.00 ft	7,386.00 ft	1 /ft
DAKOTA	7,397.00 ft	7,400.00 ft	1 /ft
DAKOTA	7,407.00 ft	7,411.00 ft	1 /ft
DAKOTA	7,428.00 ft	7,430.00 ft	1 /ft
DAKOTA	7,460.00 ft	7,473.00 ft	1 /ft