

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-89-IND-58

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USG Section 19

9. WELL NO.

35

10. FIELD AND POOL, OR WILDCAT

Hogback Dakota

11. SEC., T., R., M., OR BLK. AND

**NE/4 NW/4 Section 19,
T-29-N, R-16-W**

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

501 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2470' FWL & 630' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3001' - CL ungraded

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

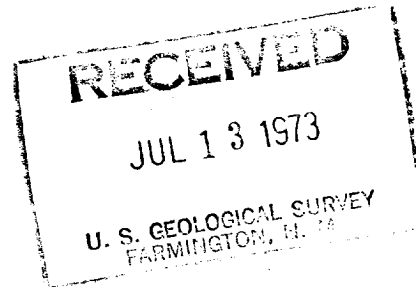
ABANDONMENT* ☐

Spud & set casing

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

An 11" surface hole was spudded at 9:25 am, July 11, 1973 and drilled to 64'. The 7-5/8" casing was set at 64' with 50 sacks Class "A" cement with 2% CaCl₂ on July 11, 1973. The cement circulated.



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

SIGNED **J. ARNOLD SHELL**

TITLE **Area Engineer**

DATE **July 11, 1973**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
1-89-IND-58

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
USG Section 19

9. WELL NO.
33

10. FIELD AND POOL, OR WILDCAT
Hogback Dakota

11. SEC., T., R., M., OR BLK. AND
NE/4 NW/4 Section 19,
T-29-N, R-16-W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL ☒ GAS ☐ OTHER ☐
WELL WELL

2. NAME OF OPERATOR
AMOCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
301 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2470' FWL & 630' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DEPT, RT, GR, etc.)
5003' GL

16. Check Appropriate Box To Indicate Nature of Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Spud & set casing & perf ☒
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. 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.)*

An 11" surface hole was spudded at 9:25 a.m., July 11, 1973 and drilled to 64'.
The 7-5/8" casing was set at 64' with 50 sacks Class "A" cement with 2% CaCl₂
on July 11, 1973. The cement circulated. The hole was reduced to 6-3/4" at
64' and drilling continued.

The well was drilled to a total depth of 660' with the 5-1/2" casing set at 657'.
The casing was cemented July 13, 1973 with 100 sacks Class "A" with 2% CaCl₂.
The cement circulated.

A 5-1/2" cement retainer was set at 654' and squeezed with 50 sacks Class "A"
cement with 2% CaCl₂. Breakdown pressure 1000 psi, maximum squeeze pressure
1300 and final squeeze pressure 1000 psi. Reversed out 1 barrel cement.

Perforated 548-549' with 4 SPV on July 16, 1973. Alternately shut in and swabbed
well with no fluid. Perforated 652-1/2-653-1/2' with 4 SPV on July 17, 1973. Acidized
with 250 gallons 15% acid. Dropped 4 balls after 80 gallons. Displaced acid to
perforations. Breakdown pressure 1000, maximum rate 1.2 BPM, AIR 1 BPM. Drilled
cement retainer to 655-1/2'. Perforated 653-1/2-654-1/2' with 4 SPV. On July 18, 1973
acidized with 500 gallons 15% acid. Dropped 8 balls. Breakdown pressure 900, average
(over)

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

SIGNED J. ARNOLD SNELL

TITLE Area Engineer

DATE July 23, 1973

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side

RECEIVED
DATE

JUL 24 1973

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. 1-80-IND-38
2. NAME OF OPERATOR AMOCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2470' FWL & 630' FWL		8. FARM OR LEASE NAME USG Section 19
14. PERMIT NO.		9. WELL NO. 35
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 3003' GL		10. FIELD AND POOL, OR WILDCAT Hogback Dakota
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/4 NW/4 Section 19, T-29-N, R-16-W
		12. COUNTY OR PARISH San Juan
		13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
(Other) ☐

PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
ABANDON* ☒
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐
FRACTURE TREATMENT ☐
SHOOTING OR ACIDIZING ☐
(Other) ☐

REPAIRING WELL ☐
ALTERING CASING ☐
ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

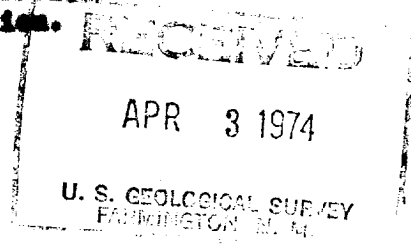
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Due to the subject well being unable to produce commercial quantities of hydrocarbons, we propose to abandon the well as follows:

1. Squeeze 20 sacks Class "A" Neat cement into the formation.
2. Fill the 3-1/2" casing to the surface with Class "A" Neat cement.
3. Cut off wellhead, erect P&A marker and clean up location.



Verbal approval received in telephone conversation March 29, 1974, between Mr. M. L. Seelinger, U.S.G.S., and Mr. R. K. Kobb, Amoco Production.



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

SIGNED J. ARNOLD SNELL TITLE Area Engineer DATE April 2, 1974

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <u>Dry Hole</u>
2. NAME OF OPERATOR AMCO PRODUCTION COMPANY						5. LEASE DESIGNATION AND SERIAL NO. 1-00-100-38	
3. ADDRESS OF OPERATOR 501 Airport Drive, Farmington, New Mexico 87401						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2470' FUL & 630' FUL At top prod. interval reported below Same At total depth Same						7. UNIT AGREEMENT NAME	
14. PERMIT NO. _____ DATE ISSUED MAY 10 1974						8. FARM OR LEASE NAME USC Section 19	
15. DATE SPUNDED 7-11-73						9. WELL NO. 35	
16. DATE T.D. REACHED 7-15-73						10. FIELD AND POOL, OR WILDCAT Hogback Dakota	
17. DATE COMPL. (Ready to produce) 4-6-74 FUL						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA N1/4 N1/4 Section 19, T-29-N, R-16-W	
18. TYPE OF COMPLETION (See instructions on reverse side) DRY HOLE						12. COUNTY OR PARISH San Juan	
19. ELEV. CASINGHEAD _____						13. STATE New Mexico	
20. TOTAL DEPTH, MD & TVD 660' KB		21. PLUG, BACK T.D., MD & TVD -		22. IF MULTIPLE COMPL., HOW MANY* -		23. INTERVALS DRILLED BY 0-TD	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry Hole						25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-Neutron						27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
7-5/8"		240		64' KB		11"	
5-1/2"		15.50		657' KB		6-3/4"	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
648-49' x 4 SPV 652-55' x 4 SPV				DEPTH INTERVAL (MD) 648-49' 652-55'			
				AMOUNT AND KIND OF MATERIAL USED 250 gal. 15% HCl 1250 gal. 15% HCl			
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Dry Hole				WELL STATUS (Producing or shut-in) Abandoned	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		GAS GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
Original Signed by G. L. HAMILTON							
SIGNED		TITLE Area Adm. Supvr.		DATE May 8, 1974			

*(See Instructions and Spaces for Additional Data on Reverse Side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

I-88-IND-38

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USG Section 19

9. WELL NO.

33

10. FIELD AND POOL, OR WILDCAT

Hogback Dakota

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

**NE/4 NE/4 Section 19,
T-23-N, R-16-W**

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

AMCO PRODUCTION COMPANY

3. ADDRESS OF OPERATOR

301 Airport Drive, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2470' FWL & 630' FWL, Section 19, T-23-N, R-16-W

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

3003' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

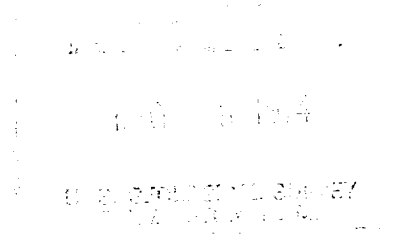
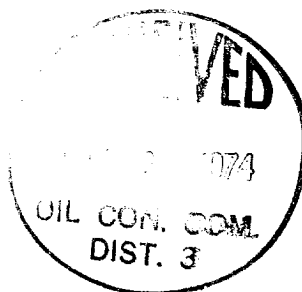
ABANDONMENT* ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. 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.)*

After failing to find commercial quantities of hydrocarbons, the USG Section 19 No. 33 was plugged and abandoned on April 6, 1974, as follows:

- 1. Squeezed 20 sacks Class "A" Neat cement into formation.**
- 2. Filled the 3-1/2" casing to surface with 75 sacks Class "A" Neat cement.**
- 3. Cut off wellhead and erected F&A marker.**
- 4. Cleaned up location for inspection.**



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

SIGNED **G. L. HAMILTON**

TITLE **Area Adm. Supvr.**

DATE **May 7, 1974**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____