5. LEASE

S.F. 081226-B

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	USA
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	Horseshoe Gallup Unit
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME Horseshoe Gallup Unit næm
1. oil gas other Injection	9. WELL NO.
2. NAME OF OPERATOR ARCO Oil and Gas Co., a	263
Div. of Atlantic Richfield Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 707 - 17th Street,	Horseshoe Gallup
P.O. Box 5540, Denver, Colo. 80217	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA
below.)	Sec. 9-30N-16W
AT SURFACE: Unit B,350'FNL & 1670'FEL, Sec. 9	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	San Juan New Mexico
	14. API NO. None
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WO) 5702' GR
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	3702 GR
	To the second se
FRACTURE TREAT SHOOT OR ACIDIZE	
SHOOT OR ACIDIZE	(NOTE: Report results of multiple completion or zone
REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE SEP 14 19	ാ hange on Form 9–330.)
MULTIPLE COMPLETE	~~
CHANGE ZONES U. S. GEOLOGICAL S ABANDON*	URVEY
ABANDON* (other) X - Set Cement Plug FARMINGTON, N.	M.
	The second secon
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statistical including estimated date of starting any proposed work. If well is considered to the control of the cont	directionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertine	nt to this work.)*
ARCO hereby asks permission to set a cement plug above the injection	
interval(1485-1535') in the subject well. This is in compliance	
with the requirements as set forth in a memorandum dated September 30	
1981, and a subsequent letter of April 26, 1982, both from the State	
of New Mexico, Energy and Minerals Department, Oil Conservation	
Division(copies attached.)	and the second s
Attached is the procedure for setting the cement plug.	
Audionica is the procedure for security t	00
This Approval Or Temperary .	10,701,200
This Approval Or Temperary Abandonment Expires 10-16-83	
The management of the figure	
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
SIGNED Stephen Rose TITLE Dist. Prod.	Supt.DATE August 31, 1982
S. C. Rose	
ADDR (This space for Federal or State office use)	
APPROVED BY TITLE	DATE
conditions of APPROVAL JE ANY: 1982 AS AMENDED	
The Kellin	
DISTRICT ENGINEER	

See Instructions on Reverse Side

HORSESHOE GALLUP UNIT INJECTION WELLS

PLUGGING PROCEDURE

- 1. MIRU.
- 2. Release packer and pull tubing and packer out of hole.
- 3. RIH with tubing open-ended to 40' above the top perforation and pump sufficient cement to set a 100' plug inside the casing (Using light-weight cement).
- 4. POH, RD, and move off.



STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

BRUCE KING ARRY KEHOE

April 26, 1982

POST OFFICE BOX 2086 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-2434

RECEIVED

APR 30 1982

ENGINEERING

Arco Oil & Gas Company P.O. Box 5540 Denver, Colorado 80217

ATTENTION: J. G. Bradshaw

RE: Exception to Rule 705-A for Injection Wells in the Horseshoe Gallup Unit, Federal Lease No. 14-08-0001-8200, San Juan County,

New Mexico.

Dear Sir:

Pursuant to your letter of February 18, 1982, requesting exception to Rule 705-A for fifty-seven (57) wells as listed on Table I, the Oil Conservation Division hereby denies both of your requests. You are hereby requested to take prompt action as outlined in the September 30, 1981, Memorandum. (Copy enclosed).

The Oil Conservation Division will not grant an exception to Rule 705-A if a well will not be placed in service within 6 months of the request. For future reference, supportive data for exception to Rule 705-A should include:

- 1. Proof of mechanical integrity, such as bradenhead tests, tracer logs, or other supportive tests or data.
- 2. All related OCD Division Order Numbers or Case Hearing Numbers.
- 3. A schematic of the present injection well including cement tops and quantities thereof.
- 4. Date each well was shut-in.

If you have any questions regarding this matter, please do not hesitate to contact me at (505) 827-2533.

Sincerely,

JÓE D. RAMEY

Division Director

TABLE I

Horeshoe Gallup Unit Federal Lease No. 14-08-001-8200 San Juan County, New Mexico.

List of Wells

2. No. 29 B

3. No. 103 A

4. No. 105 A

5. No. 113 A

6. No. 126 C

7. No. 130 C

8. No. 132 C

9. No. 135 C

10. No. 137 C

11. No. 139 C

12. No. 141 C

13. No. 143 D

14. No. 145 D

15. No. 148 \mathcal{D}

16. No. 150 D

17. No. 152 D

18. No. 154 D

19. No. 156 D

20. No. 160 D

21. No. 215 D

22. No. 162 D

23. No. 164 D

24. No. 169 D

25. No. 171 D

26. No. 173

27. No. 175 D

28. No. 100 D

29. No. 182 D

30. No. 184 D

31. No. 186 🔘

32. No. 192 D

33. No. 194 D

34. No. 196 D

35. No. 201

36. No. 203 D

37. No. 205 ∫

38. No. 207 D

39. No. 213 📮

40. No. 217 [

41. No. 223 D

42. No. 225 D

43. No. 227 D

44. No. 229 D

45. No. 238 D

46. No. 240 D

47. No. 248 D

48. No. 250 D

49. No. 259 D

50. No. 261 C

51. No. 263 C

52. No. 269 C

53. No. 274 C

54. No. 275 C

55. No. 73 A

56. No. 199

57. No. 211



ENERGY AND MINERALS DEPARTIVIENT OIL CONSERVATION DIVISION

POST OFFICE BOX 201 STATE LAND OFFICE BUL-SANTA FE, NEW MEXICO 3 (505) 827-2434

BRUCE KING SOVERNOR LARRY KEHOE -SECRETARY

MEMORANDUM

TO: ALL NEW MEXICO INJECTION WELL OPERATORS

FROM: JOE D. RAMEY, DIRECTOR

SUBJECT: TEMPORARY ABANDONMENT OF INJECTION WELLS

Division Rule 705A provides in part that "no injection well may be temporarily abandoned for more than six months unless the injection interval has been isolated by use of cement or a bridge plug." The Division Director may delay the cement or bridge plug requirement upon a request by the operator and a showing that such well is mechanically sound, that there is a continuing need for the well, and that the well constitutes no threat to underground sources of drinking water.

Division survey programs have found several hundred injection wells which have not been used for at least six months and which do not have the requisite plugs. Based upon these surveys the Division will be moving to enforce Rule 705A in the near future.

Operators should review the status of their injection wells and within the next six months take one of the following actions relative to injection wells which have been shut in for six months or longer:

- (1) Return the well to active operation.
- (2) Plug and abandon the well or place a <u>cement</u> or bridge plug above the injection interval.
- (3) File a workover or plugging plan and schedule with the appropriate Division district office.
- (4) File a request for exception to Rule 705A with the Division Director in Santa Fe.

September 30, 1981 fd/