5. LEASE

14-08-0001-8200

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Havajo - te Mtn.
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME Horseshoe Gallup Unit
Do not use this form for proposals to drill or to deepen or plug back to a different eservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME Horseshoe Gallup Unit
1. oil gas well other Injection 2. NAME OF OPERATOR ARCO Oil and Gas Co., a	9. WELL NO. 217
Div. of Atlantic Richfield Company	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR 707 - 17th Street, P.O. Box 5540, Denver, Colo. 80217	Horseshoe Gallup 11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)	AREA Sec. 35-31N-16W
AT SURFACE: Unit N,660'FSL & 1980'FWL, SEC. 35 AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE San Juan New Mexico
AT TOTAL DEPTH: 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	14. API NO. None
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) 5543' GR
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE	U. S. GEOLOGICAL SURVEY OIL AND GAS OPERATIONS
REPAIR WELL	(NOTE: Report results of multiple completion or zone change ဖြစ် တြက်သြားသော
ABANDON*	GRAND JUNCTION, COLORADO
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is a measured and true vertical depths for all markers and zones pertined	firectionally drilled, give subsurface locations and
ARCO hereby asks permission to set a cerinterval (1457-1459') in the subject with the requirements as set forth in a 1981, and a subsequent letter of April of New Mexico, Energy and Minerals Departure Division (copies attached.)	t well. This is in complianc memorandum dated September 3 26, 1982, both from the State
Attached is the procedure for setting the	re cement plug.
Subsurface Safety Valve: Manu. and Type	SEP 1 6 1982
Subsurface Safety Valve: Manu. and Type	WITH ENALS MANAGEMENT CE
18. I hereby certify that the foregoing is true and correct SIGNED Stephen Rose TITLE Dist. Prod.	DURANGO, CO
S. (F. ROSE	
Original Signed - Scott LTEMESTEE for Federal or State of APPROVED BY	
CONDITIONS OF ARROVAL IF ANY: District Super	klam.

ATTACHED

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

RUCE KING SOVERNOR RRY KEHOE

April 26, 1982

POST OFFICE BOX 2088
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.

Sancerely,

JOE D. RAMEY

Division Director

TABLE I

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

List of Wells

1. No. 26 B

2. No. 29 B

3. No. 103 A

No. 105 A

No. 113 A 5.

No. 126 C 6.

No. 130 C 7.

No. 132 C 8.

No. 135 $^{\circ}$ 9.

10. No. 137 C

11. No. 139 C

12. No. 141 C

No. 143 D 13.

No. 145 \mathcal{D} 14.

15. No. 148 \mathcal{D}

No. 150 D 16.

No. 152 D 17.

No. 154 \mathcal{D} 18.

19. No. 156 D

20. No. 160 D

21. No. 215 D

22. No. 162

23. No. 164 D

24. No. 169

No. 171 1) 25.

26. No. 173

27. No. 175

No. 180 -- > -28-

29. No. 182 D

No. 184 30.

31. No. 186

-32. No. 192

 \mathcal{D}_{i} 33. No. 194

No. 196 34.

35. No. 201

36. No. 203 D

37. No. 205

D 38. No. 207

 \Box 39. No. 213

No. 217 40.

41. No. 223 D

42. No. 225

43. No. 227

44. No. 229

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

52. No. 269 C

53. No. 274 C

54. No. 275

55. No. 73

56. No. 199

57. No. 211

OIL CON. DIST

OIL CONSERVATION DIVISION



BRUCE KING
SOVERNOR
LARRY KEHOE
SECRETARY

POST OFFICE BOX 20 STATE LAND OFFICE BU SANTA FE, NEW MEXICO: (505) 827-2434

MEMORANDUM

TO:

ALL NEW MEXICO INJECTION WELL OPERATORS

FROM:

JOE D. RAMEY, DIRECTOR

SUBJECT:

TEMPORARY ABANDONMENT OF INJECTION WELLS

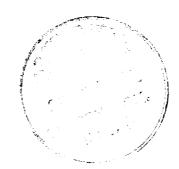
Division Rule 705A provides in part that "no injection well may be temporarily abandoned for more than six months unless the injection interval has been isolated by use of cement or a bridge plug." The Division Director may delay the cement or bridge plug requirement upon a request by the operator and 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/



CONDITIONS FOR APPROVAL

- 1. Plug to be tagged or pressure tested to 1000 psi.
- 2. Casing at the surface shall be secured with a valve or cap.
- 3. Approval effective for one year only.

