

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☐ well ☐ other ☒ Injection  
2. NAME OF OPERATOR ARCO Oil and Gas Co., a  
Div. of Atlantic Richfield Company  
3. ADDRESS OF OPERATOR 707 - 17th Street,  
P.O. Box 5540, Denver, Colo. 80217  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17  
below.)  
AT SURFACE: Unit J, 1980' FSL & 1980' FEL, Sec. 19  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,  
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

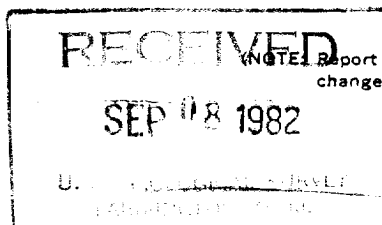
TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

SUBSEQUENT REPORT OF:

☐  
☐  
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☐  
☐

(other) X - Set Cement Plug

5. LEASE  
14-20-600-3531  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Navajo  
7. UNIT AGREEMENT NAME  
Horseshoe Gallup Unit  
8. FARM OR LEASE NAME  
Horseshoe Gallup Unit  
9. WELL NO.  
103  
10. FIELD OR WILDCAT NAME  
Horseshoe Gallup  
11. SEC., T., R., M., OR BLK. AND SURVEY OR  
AREA  
Sec. 19-31N-16W  
12. COUNTY OR PARISH  
San Juan  
13. STATE  
New Mexico  
14. API NO.  
None  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5535' GR



(NOTE: Report results of multiple completion or zone  
change on Form 9-330.)

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.)\*

ARCO hereby asks permission to set a cement plug above the injection  
interval( 1313-1322' ) 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.)

Attached is the procedure for setting the cement plug.

This Approval of the  
Abandonment of the well 12-16-83

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

APPROVED BY \_\_\_\_\_ (This space for Federal or State office use)  
CONDITIONS OF APPROVAL IF ANY: \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

DISTRICT ENGINEER \*See Instructions on Reverse Side

NMOCC

## HORSESHOE GALLUP UNIT INJECTION WELLS

### PLUGGING PROCEDURE

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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  
GOVERNOR  
ARRY KEHOE  
SECRETARY

April 26, 1982

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

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

ATTENTION: J. G. Bradshaw

RECEIVED  
APR 30 1982  
ENGINEERING

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,

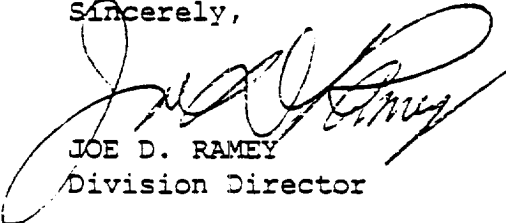
  
JOE D. RAMEY  
Division Director

TABLE I

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

List of Wells

1. No. 26 B	21. No. 215 D	41. No. 223 D
2. No. 29 B	<del>22. No. 162 D</del>	42. No. 225 D
3. No. 103 A	23. No. 164 D	43. No. 227 D
4. No. 105 A	<del>24. No. 169 D</del>	44. No. 229 D
5. No. 113 A	25. No. 171 D	45. No. 238 D
6. No. 126 C	26. No. 173 D	46. No. 240 D
7. No. 130 C	27. No. 175 D	47. No. 248 D
8. No. 132 C	<del>28. No. 180 D</del>	48. No. 250 D
9. No. 135 C	29. No. 182 D	49. No. 259 D
10. No. 137 C	30. No. 184 D	50. No. 261 C
11. No. 139 C	31. No. 186 D	51. No. 263 C
12. No. 141 C	<del>32. No. 192 D</del>	52. No. 269 C
13. No. 143 D	33. No. 194 D	53. No. 274 C
14. No. 145 D	34. No. 196 D	54. No. 275 C
15. No. 148 D	<del>35. No. 201 D</del>	55. No. 73 A
16. No. 150 D	36. No. 203 D	<del>56. No. 199 D</del>
17. No. 152 D	37. No. 205 D	<del>57. No. 211 D</del>
18. No. 154 D	38. No. 207 D	
19. No. 156 D	39. No. 213 D	
<del>20. No. 160 D</del>	40. No. 217 D	



ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR  
LARRY KEHOE  
SECRETARY

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

M E M O R A N D U M

TO: ALL NEW MEXICO INJECTION WELL OPERATORS  
FROM: JOE D. RAMEY, DIRECTOR *JDR*  
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 cement 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/