

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)

Form approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

4. LEASE DESIGNATION AND SERIAL NO.

14-20-603-734

5. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

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 WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR ARCO Oil and Gas Company, Div. of
Atlantic Richfield Company

3. ADDRESS OF OPERATOR 707-17th Street,
P.O. Box 5540, Denver, CO 80217

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
Unit I, 1350' FSL & 1250' FEL, Sec. 32

14. PERMIT NO. API#30-045-22101

15. ELEVATIONS (Show whether OF, RT, OR, etc.)
5336' GR

6. UNIT AGREEMENT NAME
Horseshoe Gallup Unit

7. FARM OR LEASE NAME
Horseshoe Gallup Unit

8. WELL NO.
296

10. FIELD AND POOL, OR WILDCAT
Horseshoe Gallup

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
Sec. 32-31N-16W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	POLE OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Workover (See below*) <input checked="" type="checkbox"/>	

(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.)

- * Stimulate present Lower Gallup perms and additionally complete Upper Gallup Sand

Completed stimulation of present Lower Gallup perms and additionally completed the Upper Gallup Sand as per our Sundry Notice, and workover procedure, dated 11-19-82, and approved by the BLM on 12-14-82. Tested and returned well to production.

(See attached daily workover report for details.)

On all future Subsequent Reports of Operation
notify this office within 30 days after the
completion of said operation

RECEIVED

JAN 03 1985

OIL CON. DIV.
DIST. 3

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

SIGNED Stephen Rose
S. C. Rose

TITLE District Prod. Sup;t.

DATE DEC 15, 1984

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE JAN 1985

FARMINGTON RECORD AREA
BY _____

*See Instructions on Reverse Side

NMOCC

Lease or Unit	Well no
Horseshoe Gallup Unit, "B"	296

1 of 2

2/21/83

MI RU PU. POOH 7/8" rods and 2 1/4" plunger. POOH 39 jts. 2 7/8" tbg. and pump barrel. No signs of scale.

PU 4 3/4" O.D. bit and Baker Model C-3, size 12B csg. scraper & RIH to PBTD at 1266'. Circulated hole w/ Nowsco unit. Pumped* w/ some oil and iron sulfide. Broke circulation & POOH. LD bit and scraper.

RU Welex 4" guns & RIH, perf'ed lower Gallup f/ 1208'-42' w/ 2 jet SPF. POOH, RD.

RU Nowsco & pumped 40 bbls. water w/ 55 gal. S-271 scale inhib., pumped 1.5 bpm at 500 psi. Displaced w/ 125 bbls water, began pumping at 1.5 bpm at 500 psi for first 30 bbls; then increased rate to 5 bpm at 600 psi for 95 bbls. RD Nowsco.

SI 30 min, then bled csg., flowed back approx. 75 bbls.

PU Baker Model C, size 45B R.B.P. & RIH to 1170' and set. POOH to 1165' RU Nowsco & test plug to 1200 psi, held OK.

POOH to 1148' & spotted 500 gal. 15% HCI w/ 2 gal. Nowsco NA1-161 inhibitor, 1/2 gal. NNE-257 surfactant, 10# NIS-546 iron sequesterer. POOH.

RU Welex 4" jet guns & RIH. Perf'ed. Upper Gallup f/ 1110'-38' w/ 2 SPF. RD.

Displaced acid into perfs w/ 27 bbls. water. Pumped 1.5 bpm at 400 psi. RD Nowsco. SFN.

2/22/83

RU Nowsco & broke down formation w/ 24 bbls, 2% KCI water, rate of 20 bpm 300-600 psi. SD pumping for 2 min. ISIP 500 psi.

Frac'ed down 5 1/2 csg. w/ 8000 gal. cross-linked 20#/1000 gal. gel and 21,200# 10/20 sand.

* total of 100 Bbls., returns mostly water

2/22/83

Pumped as per fluid schedule:

2 of 2

<u>BBLS</u>	<u>PROP.</u>	<u>PROP CONC</u>	<u>RATE</u>	<u>PRESS.</u>
48	PAD	---	19 bpm	1000 psi
17	10/20	1 ppg	18.5 "	1020 "
19	" "	2 "	18.0 "	990 "
21	" "	3 "	19.5 "	960 "
43	" "	4 "	19.6 "	960 "
43	" "	5 "	18.0 "	980 "
27	Flush	- -	15.0 "	1100 "

SD pumping. ISIP-500 psi.

After 5 min. 400 psi.

10 " 390 "

15 " 380 "

RD Nowsco. Waited 4 hrs for gel to break, as per Nowsco recommendation. Opened csg., flowed 75 to 1000 bbls. gel & frac sand. Gel not completely broken. SI to allow gel to break overnight.

SFN.

2/23/83

Bled csg. Flowed water w/ no frac sand. RIH w/ Baker size 3-5/8" Depck hydrostatic tubing bailer, tagged sand at 1125', CO to 1163'. POOH, cleaned tools. RIH to 1135', CO to 1165', latched RBP, Baker Model C, size 45B. POOH. LD RBP and hyd. bailer.

RU Welex- ran Gamma Ray tracer survey. RD.

Ran tbg. as follows:

Pump barrel 2½ x 2½ x 12 x 16	16.29
39 jts. 2-7/8" EUE 8R J-55 6.5#	1210.50
	1226.79
RKB to THF	8.50
	1235.29

Ran plunger & rods:

1-pump plunger 2½" x 3'
48-rods 7/8" x 25' plain
2-rods 7/8" x 6'
1-rod 7/8" x 8'
1-P.R. 1½" x 16' w/ liner

2/23/83

Spaced pump & resumed pumping. RD PU.

Well back on production, 2/23/83.

Well Test 4/20/83: 20 BO, 503 BW, 24 hr. test.

FINAL REPORT