

DISTRICT I
P.O. BOX 1980, Hobbs, NM 88240

DISTRICT II
P.o. Box DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.

30-045-27801

5. INDICATE TYPE OF LEASE
STATE FEE

6. STATE OIL & GAS LEASE NO.
NMNM-86300

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"
(FORM C-101) FOR SUCH PROPOSALS.)

7. LEASE NAME OR UNIT AGREEMENT NAME
Atlantic Fruitland 24 Com

1. TYPE OF WELL:
OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
CONOCO INC.

8. WELL NO.
#2

3. ADDRESS OF OPERATOR
10 DESTA DR., SUITE 100W, MIDLAND, TX 79705-4500

9. POOL NAME OR WILDCAT
Basin Fruitland Coal

4. WELL LOCATION
Unit Letter L: 1750' Feet From The South Line and 790' Feet From The West Line
Section 24 Township 31N Range 10W NMPM San Juan County

10. ELEVATION (Show whether DF, RKB, RT, Gr, etc.)
GL6440' - KB 6453

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/>	
OTHER: _____		OTHER: _____	<input type="checkbox"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)
SEE RULE 1103.

SEE ATTACHED SUMMARY SHEETS

RECEIVED
MAY 14 1997

OIL CON. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Debra Bemenderfer TITLE AGENT FOR CONOCO INC. DATE 5-14-97
TYPE OR PRINT NAME: DEBRA BEMENDERFER TELEPHONE NO. _____

(This space for State Use)
APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3 DATE MAY 14 1997
CONDITIONS OF APPROVAL, IF ANY: _____

**SAN JUAN FIELD - DEVELOP - SAN JUAN COUNTY, NM - 21.875% W.I.
ATLANTIC FC 24 NO. 2 (ARCO)**

Location: 1,750' FSL & 790' FWL, Section 24-T31N-R10W

Objective: 3,400' Fruitland Coal

AFE No.: 55-61-4051

API No.: 30-045-27801

Lease Code: 7112614

DATE: Spud: 07-25-90

Rig Released: 07-31-90

Completed: 08-30-90

TD: 3,210' PBD: 3,195'

Formation/Depth Int/Type Completion: Fruitland Coal/2,999'-3,146'/CFTS

Perfs: 3,114'-3,128' & 3,143'-3,146' w/ 4 JSPP. 2,999'-3,010', 3,018'-3,021' & 3,052'-3,078' w/ 4 JSPP.

Treatment: Set 9 5/8" csg @ 294' and cement. Run 5 1/2" csg, set @ 3,210' and cement. Frac lower Fruitland w/ 26,600 gals 35# borate gel x-linked 2% KCl carrying 10,500# 40/70 & 79,400# 12/20. ISIP - 805, 15 min - 705. Max press - 2038, avg press - 1500 & AIR - 20 BPM. Frac upper Fruitland w/ 76,100 gals 35# borate x-linked gel carrying 23,820# 40/70 sand & 225,900# 12/20 sand. Avg press - 2650 psi, max press - 3024 psi. AIR - 33.2 BPM, MIR - 34.9 BPM. Flushed w/ 26 Bbls 2% KCl. Max sand conc - 9.5 ppg. ISIP - 1200 psi, 15 min - 1071 psi, 30 min - 1023 psi.

Initial Potential: (Date: 08-29-90, Method: Flowing through Separator)

MCFG: 222

BW: 2

Final Gross Cost Estimate: \$300,991

Well Status: GTS (pending pipeline hookup) (12-18-90)

FINAL REPORT

Spurred: 07/25/90
 Location: (NwSw) 1760' FSL & 790' FWL
 GL: 6440.5' KB: 6453.2'

Completed: 08/30/90
 API No: 30-045-27801
 Communitization Agreement No: NMNM 86300

Section: 24

Township: 31N
 Unit Letter: L

Range: 10W
 Lease No: Fee

Tubing & Assembly: (08/29/90)

36 Jts: 2-7/8", 6.5#, EUE, 8rd, J-55	1201.06'
Otis Sidepocket Gaslift Mandrel (Set from 1211.06' - 1218.26' KB)	7.20'
2 Pups: 2-7/8", 6.5#, EUE, 8rd, J-55 (1 - 10' X 2-7/8", 1 - 8' X 2-7/8")	17.87'
30 Jts: 2-7/8", 6.5#, EUE, 8rd, J-55	941.36'
Otis Sidepocket Gaslift Mandrel (Set from 2177.49' - 2184.69' KB)	7.20'
23 Jts: 2-7/8", 6.5#, EUE, 8rd, J-55	747.21'
Otis Sidepocket Gaslift Mandrel (Set from 2931.90' - 2939.10' KB)	7.20'
Sub: 2-7/8", 6.5#, EUE, 8rd, J-55	5.72'
Packer: 5-1/2" 15.5# ER-VI (Set from 2944.82' - 2950.57' KB) Set with 0.000# Comprcoction.	5.75'
"X" Profile Nipple: Otis 2.313" (Set from 2950.57' - 2951.67' KB)	1.10'
Perforated Sub: 2-7/8", 6.5#	5.91'
1 Jt: 2-7/8", 6.5#, EUE, 8rd, J-55	31.67'
"XN" Profile Nipple: Otis 2.313" with 2.205" nogo. (Set from 2980.25' - 2982.45' KB)	1.20'
Wireline Re-entry Guide	0.44'
Subtotal:	2980.89'
Adjusted KB:	10.00'
End of Tubing (KB):	2990.89'

Geological Markers:

Ojo Alamo 2280'
 Kirtland - Fruitland 2320'

Lithology Record:

0 - 294' Surface
 294' - 2850' Sand & Shale
 2850' - 3210' Coal

PBTD: 3195'

TD: 3210'

Surface Casing:

12-1/4" hole drill to 294' KB.

6 Jts: 9-5/8", 36#, K-55, 8rd, ST&C	254.11'
Float Collar:	1.55'
1 Jt: 9-5/8", 36#, K-55, 8rd, ST&C	40.58'
Guide Shoe:	0.75'
Total pipe run in hole:	298.99'
Less cutoff pipe:	15.70'
Total pipe tally left in hole:	289.29'
RKB to cutoff:	12.70'
Total setting Depth:	293.99'

3 Gemoco Centralizers at: (Bow Type) 125', 211', 284'.
 Cmt'd: 10 bbls water ahead of 200 sx class "B" plus 2% cacl2 plus 1/4# per sx flakes mixed at 15.6 - 8 ppg. Yield: 1.18 cu ft/sx. 5.6 gal water per sx. Slurry volume with scavenger 47 bbls. Drop top plug, displaced with 20 bbls water. bump plug. Float held. Circulated 10 bbls cement to pit (48 sx).
 Tested casing with 2,000# for 30 minutes. held OK.
 (Total cement: 236 cu ft)

Production Casing:

8-3/4" hole drilled to 3210' KB.

62 Jts: 5-1/2", 15.5#, J-55, LT&C, 8rd	2666.20'
DV Tool:	2.14'
12 Jts: 5-1/2", 15.5#, J-55, LT&C, 8rd	503.38'
Float Collar:	1.00'
1 Jt: 5-1/2", 15.5#, J-55, LT&C, 8rd.	42.43'
Float Shoe:	0.90'
Total pipe run in hole:	3216.05'
Less cutoff:	19.00'
Total pipe tally left in hole:	3197.05'
RKB to cutoff:	12.60'
Total setting depth:	3209.65'

9 Gemoco Centralizers (Bow type) at: 2534', 2619', 2705', 2791', 2868', 2953', 3041', 3123', 3199'.

1st stage cement: 20 bbls water ahead mix & pump 150 sx (33 bbl slurry) class B w/1% cacl2 and .6% FL-19 @ 15.6 ppg. 5.2 gpc water and 1.18 yield Total: 177 cu ft, displaced with 75-3/4 bbl (14 wtr & 61-3/4 mud) latch down plug bumped to 1200 psi. Plug down, bled off pressure, floats held.
 (Malfunction with opening DV Tool)

(Perforated 4 holes 2500' - 2501')
 2nd stage: 20 bbls water ahead of 500 sx 65/35/6% (910 cu ft - 162 bbls) mixed @ 10.0 ppg 1st 20 bbls & 12.4 remainder. 1.82 yield 9.8 gal water p/sx additive .8% FL-19 & 1/4 p/sx flakes and 100 sx class B w/2% Cacl2 (118 cu ft - 21 bbls) mixed at 15.4 ppg 5.2 gpc H2O yield 1.18 cu ft/sx. Drop plug, displaced with 57-1/4 bbls water. Returned 67 bbls lead cement to pit. Set slips with 42,000# wt.
 (Total cement: 1305 cu ft)

Fruitland Perforation:

← 2999' - 3010'	4 JSPF	Frac'd with 77,500 gals & 250,000# sand.
3018' - 3021'	4 JSPF	
3052' - 3078'	4 JSPF	
← 3114' - 3126'	4 JSPF	Frac'd with 26,000 gals & 89,900# sand.
3143' - 3146'	4 JSPF	

6-1/2" casing set @ 3210' KB

Wellbore updated 05/13/96
 By: Bobby R. Watchman

ARCO Oil and Gas Company

Well History Initial - Report - Daily

Instructions: Prepare and submit the "Initial Report" on the first Wednesday after a well is spudded or workover operations are started. Daily work prior to spudding should be summarized on the form giving inclusive dates only.

District ARCO Central District	County, parish or borough SAN JUAN	State NM
Field BASIN FRUITLAND	Lease or Unit ATLANTIC FRUITLAND 24 #2	Well no.
Arth. or W.O. no. 744298	Title D&C	

Operator ARCO	ARCO W.O. 43.7500
Spudded or W.O. began SPUD	Date 07/25/90
	Hour 21:00
	Prior status if a W.O.

Rate and Depth as of 8:00 a.m. Complete record for each day reported
WALTERS RIG 5

<p>07/26/90 (1) TD: 294' (294) SUPV:DCB</p>	<p>WOC 9-5/8" 294' MW: 8.9 VIS: 36 MIRU RT. Drill rat & mouse holes. Spud 12-1/4" surf hole @ 21:00 hrs 7/25/90. Drill to 294'. Circ, survey & TOOH. RU & run 7 jts 9-5/8", 36# K-55, STC, R-3 csg w/Texas pattern GS, FC, & 3 cents f/284-125'. Circ f/cmt. BJ cmt'd 9-5/8" csg @ 294' w/10 bbls FW ahead of 200 ex Cl "B" w/2% CACL & 1/4 pps flakes mixed @ 15.6 ppg, yield 1.18 cu ft/ex, w/5.6 gps wtr. Displ w/20 bbls FW, bump plug, float held, circ circ 48 ex cmt to pit. WOC. Loc: 1750' FSL & 790' FWL, SEC 24-T31N-R10W, SAN JUAN CO., NM. API# - 30-045-27801 WELL TYPE: GAS FORMATION: FRUITLAND FIELD: BASIN FRUITLAND TITLE: DRILL & COMP PTD: 2883' DAILY:\$31,527 CUM:\$31,527 ETD:\$35,000 EFC:\$292,027</p>
<p>07/27/90 (2) TD: 1074' (780) SUPV:DCB</p>	<p>DRLG 9-5/8" 294' MW: 0.0 VIS: WOC, cement dropped 6'. Fill around csg w/ pea gravel. Cut off csg & weld on 9-5/8 SOW X 11" 3000# FIP hd, test weld to 1000 psi. NU BOPE. Press test blind rams, kill line, choke manifold & csg to 300 psi low & 2000 psi high press, ok. Redrill mouse hole. TIR w/bit #2, press test pipe rams & csg @ 245' w/250 psi low & 1000 psi high, ok. Work on #1 & #2 pumps. Drill FC & cmt, no test on shoe jt, drillers pipe tally 10' off drld to 294' instead of planned 284'. Leak off @ 250 psi. Drld & surveyed to PD. DAILY:\$13,109 CUM:\$44,636 ETD:\$52,000 EFC:\$288,136</p>
<p>07/28/90 (3) TD: 2660' (1586) SUPV:DCB</p>	<p>DRILLING 9-5/8" 294' MW: 8.6 VIS: 40 Drill and survey to PD. DAILY:\$26,089 CUM:\$70,725 ETD:\$75,000 EFC:\$291,225</p>
<p>07/29/90 (4) TD: 3210' (550) SUPV:DCB</p>	<p>LOG W/ ATLAS 9-5/8" 294' MW: 9.0 VIS: 50 Drill & survey to TD (3210'). Circ 1 hr, Short trip to HMDF, SIM, wash 70' to bottom. Circ for logs. TOOH for logs. RI & Log. DAILY:\$9,767 CUM:\$80,492 ETD:\$90,000 EFC:\$285,992</p>

The above is correct		
Signature	Date	Title

For form preparation and distribution, see Procedure Manual, Section 18, Drilling, Pages 56 and 57.

Number all daily well history forms consecutively as they are prepared for each well. Page no. 1

Well History Initial - Report - Daily

ARCO Oil and Gas Company

Well History - Interim - Report - Daily

Instructions: This form is used during drilling or workover operations. If testing, casing, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Processing Section will be reported on "Interim" sheets until final completion. Report official or representative test as "Final" run. Submit "Interim" sheets when filled out but not less frequently than every 30 days, or (2) on Wednesday of the week in which all string is set. Submit weekly for workovers and following setting of all string until completion.

District ARCO Central District	County, parish or borough SAN JUAN	State NM
Field Basin Fruitland	Lease or site ATLANTIC FRUITLAND 24 #2	Well no.

Date and Depth as of 6:00 a.m.	Complete reports for this day reported
07/30/90 (5) TD: 3210' (0) SUPV:DCB	<p>WOC 5-1/2" @ 3210' MW: 9.2 VIS: 48 Attempt to log, log stopped @ 886'. TIH w/drill string, bridge @ 880', work to btm & circ f/logs. TOOH. RU Atlas & replace bad cable. Log w/Atlas. TIH & circ. LD DP & DC's. Change pipe rams & run 75 jts 5-1/2", 15.5#, J-55, L&C, 8rd w/FS, FC, DV tool & 9 cents. RU BJ & circ. BJ cmt'd 1st stage w/20 bbls FW ahead of 150 axs Cl "B" w/1% CaCL & 0.6% FL-19, mixed @ 15.6 ppg, 1.18 cu ft/sx yield w/5.2 gpe wtr, w/75.75 bbls mud, plug bmpd w/1200 psi @ 00:45 hrs 7/30/90, floats held.</p> <p>Drop opening bomb & load closing plug in hd, wait 20 mins, press up to open tool, would not open, cont'd trying f/1.5 hrs w/no success, reached max press of 3200 psi. WOC & prep to run temp survey. DAILY:\$45,332 CUM:\$125,824 ETD:\$140,000 EFC:\$281,324</p>
07/31/90 (6) TD: 3210 PB: 2661 SUPV:DCB	<p>DRCP F/REPORT FNDG COMP 5-1/2" @ 3210' MW: 8.3 FW Wait on 1st stage cement. RU Well Analysis & run temp surveys. Tagged up on heavy mud @ 2390' on first run. Bomb depth is 2661' @ tool, attempt to open tool, no success. RU Basin Wireline & run CBL/VDL/GR/CCL from DV to 1800', @ 0 psi, repeat w/ 1000 psi on casing. Log shows distinct TOC @ 2600' w/ free pipe above 2580'. Pick perforation interval @ 2500', Perforate 4 shots 2500- 2501. RD Basin, RU BJ & break circ, pump 60 bbl at increasing rates from 1 bpm to 4.5 bpm. Cement w/ 20 bbls FW ahead of 500 aks 65/35/6 poz mixed @ 12.4 ppg, yield 1.82 cu ft/sx w/ 9.8 gpe water, followed by 100 axs cl "B" w/ 2% CaCL mixed @ 15.6 ppg, yield 1.18 cu ft/sx w/ 5.2 gpe water. Dropped rubber top plug displaced w/ 57.25 bbls FW to 2400', 100' above squeeze holes. Plug in place @ 21:30 hrs 7/30/90, circ 67 bbls lead cement to pit, shut in @ cementing head. RD BJ, PU BOPE & set slips w/ 42,000#. RDRT & WOC 5 hrs. Cut-off casing. Rig released @ 05:00 7/31/90. DAILY:\$24,110 CUM:\$149,934 ETD:\$145,000 EFC:\$300,434</p>
08/12/90 (7) TD: 3210 PB: 2215 SUPV:DCB	<p>DO CMT 5-1/2" @ 3210' MW: 8.3 FW MINDPE & NUBOPE. RIR w/ bit & 6 3-1/2 DC's. Tag Cmt @ 2215. SION. DAILY:\$5,340 CUM:\$155,274 ETD:\$156,000 EFC:\$294,774</p>
08/13/90 (8) TD: 3210 PB: 2660 SUPV:MDW	<p>TIH W/ CSG SCRAPER 5-1/2" @ 3210' MW: 8.3 FW TIH to 2200. DO Cmt 2215-2502. RIR to 2549 & CHC. Tst Csg to 1000 psi & lost 300 psi in 5 min. POH w/ bit & SION. DAILY:\$4,750 CUM:\$160,024 ETD:\$161,000 EFC:\$294,524</p>

The above is correct

Signature	Date	Title
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For form preparation and distribution, see Procedures Manual, Section 10, Welllogs, Pages 66 and 67.

Number all daily well history forms consecutively as they are prepared for each well. Page no. **2**

ARCO-459-2-C

Well History - Interim - Report - Daily

Instructions: This form is used during drilling or workover operations. If testing, casing, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Provening Section will be reported on "Intake" sheets until final completion. Report official or representative test on "Final" form. Submit "Intake" sheets when filled out but not less frequently than every 30 days, or (2) on Wednesday of the week in which all string is set. Submit weekly for workovers and following setting of all string until completion.

Division ARCO Central District	County, parish or borough SAN JUAN	State NM
Field BASIN FRUITLAND	Lease or Well ATLANTIC FRUITLAND 24 #2	Well no.

Date and Depth as of 6:00 a.m.	Complete reports for each day reported POOL 724
08/14/90 (9) TD: 3210 PB: 2660 SUPV:MDW	WOC 5-1/2" @ 3210' MW: 8.3 FW RIH w/ 4-3/4 bit & scraper to 2555 & POH. RIH w/ Pkr on Tbg & set @ 2478. Pres ann to 800 psi. Pump into Sqz holes @ 2.5 BPM @ 1750 psi. Move Pkr to 2542 & Tst Csg to 3000 psi-OK. POH w/ Pkr. RIH w/ CICR on Tbg & set @ 2412. Press ann to 800 psi. Sqzd w/100 sx Cl 'B' w/ 2 1/2 CC & FLA. Final Sqz press 1500 psi. Sting out of CR & rev out Tbg. POH & SION. DAILY:\$8,000 CUM:\$168,024 ETD:\$170,000 EFC:\$293,524
08/15/90 (10) TD: 3210 PB: 2660 SUPV:MDW	TOH FOR BIT 5-1/2" @ 3210' MW: 8.3 FW RIH w/ 4-3/4 bit 3-1/2 DC's to 2400. CO cmt & CICR to 2060. SION. DAILY:\$2,510 CUM:\$170,534 ETD:\$171,000 EFC:\$295,034
08/16/90 (11) TD: 3210 PB: 2660 SUPV:MDW	DO SQZ 5-1/2" @ 3210' MW: 8.3 FW POH & change out bit. RIH & Drl Cmt 2420-2436. Bit plugged. POH w/ bit & RIH / notched collar. Circ out pieces of CR. POH w/ MC & RIH w/bit. SION. DAILY:\$3,010 CUM:\$173,544 ETD:\$175,000 EFC:\$294,044
08/17/90 (12) TD: 3210 PB: 2660 SUPV:MDW	RUN CRL 5-1/2" @ 3210' MW: 8.3 FW DO sqz 2436-2503. Tst to 1000 psi-OK. DO DV tool @ 2660 & Tst to 1000 psi-OK. DO FC & Cmt to 3195. CHC w/ prod wtr & Tst Csg to 1000 psi-OK. POH w/ bit LD Tbg & DC's. SION. DAILY:\$2,610 CUM:\$176,154 ETD:\$177,000 EFC:\$294,654
08/18/90 (13) TD: 3210 PB: 2660 SUPV:MDW	FRAC LOWER FRUITLAND 5-1/2" @ 3210' MW: 8.3 FW Ran GR/CRL/CCR E/ 3195-2000 w/ 1000 psi on Csg. Good bond. Perf Lower Fruitland 3114-3126 & 3143-3146 w/ 4 JSPP. RIH w/ Pkr & 3-1/2 Tbg. Set Pkr @ 2990 & NU Frac tree. Tst ann to 1000 psi-OK. SION. DAILY:\$5,610 CUM:\$181,764 ETD:\$182,000 EFC:\$295,264
08/19/90 (14) TD: 3210 PB: 3195 SUPV:MDW	FLOW TEST 5-1/2" @ 3210' MW: 8.3 FW Frac Lower Fruitland w/ 26,600 gals 35% borate gel x-linked 2% KCl carrying 10,500# 40/70 & 79,400# 12/20. ISIP 805, 15 min 705, MXP 2038, AVP 1500 & AIR 20 BPM. SION. DAILY:\$26,340 CUM:\$208,104 ETD:\$209,000 EFC:\$294,604
08/20/90 (15) TD: 3210 PB: 3195 SUPV:MDW	RIH w/ PRESS BOMBS 5-1/2" @ 3210' MW: 8.3 FW SITP 0. ND tree & NUBOP. POH w/ Pkr & RIH w/ notched collar on 2-7/8 Tbg. Tag Sd @ 2990 & CO to 3195. TOH w/ Tbg. Set RBP on WL @ 3105 & dump 2 sx Sd on RBP. Perf Upper Fruitland 2999-3010, 3018-3021 & 3052-3078 w/ 4 JSPP. RIH w/ 2-7/8 tail pipe assembly, Pkr & 3-1/2 Tbg. Set Pkr @ 2958 & NU frac tree. SION DAILY:\$6,180 CUM:\$214,284 ETD:\$215,000 EFC:\$294,784

The above is correct

Signature	Date	Title
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For form preparation and distribution, see Procedures Manual, Section 16, Drilling, Pages 46 and 47.

Number all daily well history forms consecutively as they are prepared for each well.	Page no. 3
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ARCO-459-2-C

Wall History - Interim - Report - Daily

Instructions: This form is used during drilling or workover operations. If testing, casing, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Processing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. Submit "Interim" sheets when filled out but not less frequently than every 10 days, or (2) on Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

District ARCO Central District	County, parish or borough SAN JUAN	State NM
Field BASIN FRUITLAND	Lease or Unit ATLANTIC FRUITLAND 24 #2	Well no.
Date and Depth as of 8:00 a.m.	Complete record for each day reported POOL 724	

08/21/90 (16)
TD: 3210
PB: 3195
SUPV:MDW

SI FOR FALL OFF 5-1/2" @ 3210' MW: 8.3 FW
Soft set 3000 & 5000 psi press gauges on WL @ 2996. Pump in test w/ wtr @ .3 BPM w/ MXP 330, AVP 320 & ISIP 320 psi. SI for fall off test. 1 hr SITP 280.
DAILY:\$9,700 CUM:\$223,984 ETD:\$225,000 EFC:\$294,484

08/22/90 (17)
TD: 3210
PB: 3195
SUPV:MDW

SHUT IN FOR FALL OFF 5-1/2" @ 3210' MW: 8.3 FW
11 hr SITP 90 psi. SI for fall off test.
DAILY:\$673 CUM:\$224,657 ETD:\$225,000 EFC:\$295,157

08/23/90 (18)
TD: 3210
PB: 3096
SUPV:DCB

SHUT IN AFTER FRAC 5-1/2" @ 3210' MW: 8.4 KCL
Well shut-in for pressure fall-off, on vacuum. Retrieve Amerada pressure bombs & RD wireline. ND Frac tree & TOOH w/ 3-1/2" tbg, LD 2-7/8" tail pipe assembly. TIH w/ Baker 5-1/2" big bore retrievable pkr and 94 jts 3-1/2" tbg, set pkr @ 2894'. NU Frac tree & test annulus to 800 psi. RU BJ to Frac hold safety meeting, set annulus pop-off at 2000 psi & tbg pop-off @ 5020 psi BJ fractured upper Fruitland from 2999' to 3078' w/ 76,100 gals 35% borate x-linked gel carrying 23,820# 40/70 sand & 225,900# 12/20 Arizona silica sand, AVP - 2650 psi, MXP - 3024 psi, AIR - 33.2 BPM, MIR - 34.9 BPM. Flushed w/ 26 bbls 2% KCL. Max sand conc - 9.5 ppg. ISIP - 1200 psi, 5 min - 1100 psi, 10 min - 1081 psi, 15 min - 1071 psi, 30 min - 1023 psi. Job complete 1400 hrs 8/22/90. RD BJ SION.
DAILY:\$49,944 CUM:\$274,601 ETD:\$275,000 EFC:\$295,101

08/24/90 (19)
TD: 3210
PB: 3096
SUPV:DCB

PREP TO POH & LD 3-1/2 5-1/2" @ 3210' MW: 8.4 KCL
16.5 hr SITP - 350 psi. RU to flow. Flow well on 8-12/64" choke @ approx. 10 BPH, rec'd 77 BLW. Rec'd approx. 25 sx of sand at surface & then began to clean up. Final flow at low rate 10 BPH @ 200 psi FTP on 16/64" choke. Increase rate to 20 BPH on 20/64" choke. FTP from 200 psi on 20/64" choke to 100 psi on 32/64" choke. Rec'd trace of sand & gas. FTP dropped to 0 psi by 02:30, 19 hrs after start of flow. Rec'd 278 BLW for day, 1571 BLWTR.
DAILY:\$3,443 CUM:\$278,044 ETD:\$280,000 EFC:\$293,544

The above is correct
Signature

Date	Title
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For form preparation and distribution, see Procedures Manual, Section 10. Drilling, Pages 86 and 87.

Number all daily well history forms consecutively as they are prepared for each well. Page no. 4



Instructions: This form is used during drilling or workover operations. If testing, casing, or perforating, show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cases. Work performed by Producing Section will be reported on "American" sheets until final completion. Report operations or representative test on "Form" form. Submit "American" sheets upon filling out but not less frequently than every 30 days, or (2) on Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

Division ARCO Central District	County, parish or borough SAN JUAN	State NM
Field BASIN FRUITLAND	Lease or well ATLANTIC FRUITLAND 24 #2	

Date and depth as of 8:00 a.m.	Complete record for each day reported POOL 724
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08/25/90 (20)
TD: 3210
PB: 3096
SUPV:DCB

SWAB WELL 5-1/2" @ 3210' MW: 8.4 KCL
Flow well on 1/4" choke. ND tree, Else PKR, & TOH. LD frac string. TIR w/ notched collar on 2-1/8" WS. Tag sand & JUJU'. Wash sand to JUJU'. TIR w/ WS. KU rec 1001 f/ MBR & GIH. Circ off RBP & latch. POH w/ RBP. RIH w/ WS & reworked collar to 3173' & tag. CMC to 3195'. POH to 3096' & SICW. 1571 BLWTR in upper zone.
DAILY:\$2,652 CUM:\$280,696 STD:\$280,000 EFC:\$296,196

08/26/90 (21)
TD: 3210
PB: 3096
SUPV:DCB

FLOW WELL 5-1/2" @ 3210' MW: 8.4 KCL
SITP vacuum. Load water to recover f/ both zones 2274 bbls. SFL @ surface. Make 21 swab runs & rec 271 BLW. Flow well to TT. Rec 277 BLW during 14 hr flow period. Flow w/ AFTP of 175 psi. Total rec f/ day - 548 BLW. 1726 BLW to rec. Rec trace of coal fines.
DAILY:\$3,301 CUM:\$283,997 STD:\$280,000 EFC:\$299,497

08/27/90 (22)
TD: 3210
PB: 3096
SUPV:DCB

FLOW WELL 5-1/2" @ 3210' MW: 8.4 KCL
Flow well on 20/64" choke w/ AFTP of 150 psi & ACP of 275 psi @ AvRec/hr of 5 BPH. Total rec f/ day - 131 BLW. Load to recover - 1594 BLW.
DAILY:\$2,170 CUM:\$286,167 STD:\$280,000 EFC:\$301,667

08/28/90 (23)
TD: 3210
PB: 3096
SUPV:DCB

FLOW WELL 5-1/2" @ 3210' MW: 8.4 KCL
Flow well to TT on 20/64" choke & rec 6 BLW in 2 hrs w/ FTP @ 150 psi & CP @ 200 psi. Bleed pressure to pit & kill well w/ 60 bbls water. TIR w/ 2-7/8" to check sand & tag w/ 2' of fill. PUI to 2094' & swab 1 run to kick well off. In 20 hrs rec 115 BLW w/ AFTP @ 90 psi & SICF @ 150 psi. Flow on 30/64" choke. 1533 BLWTR.
DAILY:\$4,622 CUM:\$290,789 STD:\$280,000 EFC:\$306,289

08/29/90 (24)
TD: 3210
PB: 3096
SUPV:DCB

FLOW TEST 5-1/2" @ 3210' MW: 8.4 KCL
Flowd 6.5 hrs w/ FTP 40-50 psi & rec 14.5 BLW. Test 17.5 hrs thru separator. FTP 26-125 psi, CK 16-20/64, CP 100-170, 0-222 MCF & 2 BLW. -1517 BLWTR.
DAILY:\$4,647 CUM:\$295,436 STD:\$335,000 EFC:\$255,936

The above is correct

Signature	Date	Title
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For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 26 and 27.

When all drills and bitlogs have been completed, so they are prepared for each well.	Done by 5
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ARCO-459-2-C



Instructions: Prepare and submit the "Final Report" on the first Wednesday after allowable has been assigned or well is plugged, abandoned, or sold. "Final Report" should be submitted also when operations are suspended for an indefinite or appreciable length of time. On weekends when an official test is not required upon completion, report completion and representative test data in blocks provided. The "Final Report" form may be used for reporting the entire operation if space is available.

District ARCO Central District	County, parish or borough SAN JUAN	State NM
Field BASIN FRUITLAND	Lease or Unit ATLANTIC FRUITLAND 24 #2	Well no.
Auth. or U.S. no. 744298	Title D&C	

Operator ARCO	ARCO U.I. 43.7500	Total number of wells (active or inactive) on this well control prior to plugging and abandonment of this well.
Spudded or U.O. begun SPUD	Date 07/25/90	Hour 21:00
Date and Depth as of 8:00 a.m.	Complete record for each day reported POOL 724	

08/30/90 (25)
TD: 3210
PB: 3195
SUPV:SB

FLOW TEST 5-1/2" @ 3210' MW: 8.4 KCL
Flw 7 hrs on 20/64 Ck @ 220 MCFD & 123 psi FTP. Circ w/ FW & RIR to 3195 w/ no fill. POH w/ Tbg. RIR w/ tail pipe assembly, Pkr, gas lift mandrels & Tbg. Set Pkr @ 2950. Set blanking plug in X nipple & test to 1000 psi. NDBOP & NU tree. POH w/ blanking plug & SION.
DAILY:\$4,000 CUM:\$299,436 ETD:\$300,000 EFC:\$294,936

08/31/90 (26)
TD: 3210
PB: 3195
SUPV:SB

FINAL REPORT 5-1/2" @ 3210' MW: 8.4 KCL
11.5 hr SITP 650 psi. Flwd 4 hrs on 20/64 Ck & rec 50 BLW. Last hr flwd @ BW w/ FTP 180 psi. TOTPS @ 11:00 hrs 8/30/90. SI. -1517 BLWTR.
DAILY:\$1,555 CUM:\$300,991 ETD:\$300,000 EFC:\$296,491

Old TD	New TD	TD Depth						
Released rig	Date	Kind of rig						
Classification (oil, gas, cut)	Type completion (single, dual, ect.)							
Producing method	Official reservoir name(s)							
Potential test data								
Well no.	Date	Reservoir	Producing Interval	Oil or gas	Test time	Production		
						Oil on test	Gas per day	
Pump size, 30H x length	Choke size	T.P.	C.P.	Water t	GOR	Gravity corrected	Allowable	Effective date

The above is correct
Signature *Sam R. Dues* Date **10-16-90** Title

For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.

Number all daily well history forms consecutively so they are prepared for each well. Page no. **6**

Well History - Final - Report - Daily

Walters

DRILLING INC.

P. O. BOX 717

FARMINGTON, NEW MEXICO 87408

(505) 327-6218

September 11, 1990

ARCO Oil and Gas Company
P. O. Box 1510
Midland, Texas 79702

Re: Atlantic #24-2

Deviation Survey

<u>Depth</u>	<u>Degrees</u>
294'	3/4°
792'	3/4°
1294'	1/2°
2266'	1 1/2°
2766'	3/4°
3210'	3/4°

M. Herman Walters

M. Herman Walters
President

Subscribed and sworn before me on this 11th day of September, 1990.

Gary S. Brink

Gary S. Brink
San Juan County, New Mexico
My Commission Expires August 15, 1993.

