

**Daily Well History - Final Report**

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 workovers 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	County or Parish	State					
WESTERN	COLUMBIA	OR					
Field	Lease or Unit	Well no.					
MIST	LONGVIEW FIBRE	32-20-65					
Auth. or W.O. no.	Title						
API #36-009-00229	NEW DRILL						
1566'S & 1350'W OF THE NE CORN. S20/T6N/R5W, WB&M							
Operator	ARCO W.I.	Total number of wells (active or inactive) on this cost center prior to plugging and abandonment of this well					
ARCO OIL AND GAS COMPANY	100%						
Spudded or W.O. begun	Date	Hour					
SPUDED	07/09/88	1800 hrs					
Date and depth as of 8:00 a.m.	Complete record for each day reported						
	ALL MEASUREMENTS KB = 9' GROUND ELEVATION: 1025'						
	TOTAL DEPTH: 1249' PBD: Surface JUNK: None						
CASING DETAIL:							
Casing Size	Top of Casing	Shoe Depth	Weight	Grade Connection	New/Used	Hole Size	SX/CF Cement
10-3/4"	10'	40'	40.5#	LP	new	Conductor	
7"	9'	458'	23#	K-55	new	9-7/8"	200 sx
Plugs: (1) 65 sx - 615' - 446' (2) 134 sx - 446' - Surface							
Old TD	New TD	PB Depth					
N/A	1249'	Surface					
Released rig	Date	Kind of rig					
2000 hrs	7/13/88	Rotary (Paul Graham #4)					
Classifications (oil, gas, etc.)	Type completion (single, dual, etc.)						
Plugged to Abandoned	N/A						
Producing method	Official reservoir name(s)						
	N/A						
Potential test data							
Well no.	Date	Reservoir	Producing Interval	Oil or gas	Test time	Production	
						Oil on test Gas per day	
The above is correct							
Signature	Date	Title					
<i>R.D. Statts</i>	1/19/89	District Drilling Engineer					
For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.							
ARCO Oil and Gas Company 4550 California Ave. Bakersfield, CA 93309 (805)321-4000 AR3B-459-3-D		<i>R.D. Statts For K.U. Park</i> Kwang U. Park District Drilling Superintendent					
Number all daily well history forms consecutively as they are prepared for each well.		Page no. 1 of 3					

**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	County, parish or borough	State
WESTERN	COLUMBIA	OR
Field	Lease or Unit	Well no.
MIST	LONGVIEW FIBRE	32-20-65
Auth. or W.O. no.	Title	
API: #36-009-00229	NEW DRILL	
1566'S & 1350'W from the NE Corner Sec 20/T6N/R5W, WB&M		
Operator	ARCO W.I.	
ARCO OIL AND GAS COMPANY	100%	
Spudded or W.O. begun	Date	Hour
SPUDED	07/09/88	07/11/88
Date and depth as of 8:00 a.m.	Complete record for each day reported	
0 7-07-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: 40' (0) MIRU MW: (10-3/4" @ 40')  Load out rig on CC 44-27-65. MIRU.	
0 7-08-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: 40' (0) MIRU MW: (10-3/4" @ 40')  MIRU. All loads on location @ 1800 hrs. Should spud this evening.	
2-1/2 7-11-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: 825' (785') WOC MW: 8.7 ppg VIS: 46 (10-3/4" @ 40')  MIRU. Spud 9-7/8" hole @ 1800 hrs. Drill f/ 40'-458'. Wipe hole to surface. TIH (no fill). Circulate for casing. POOH. RU and run 11 joints of 7" 23# K-55 LTC casing. Pump 10 bbls of fresh water followed by 200 sx of Class "G" + 2% CaCl <sub>2</sub> + 1/4 #/sx flocele. CIP @ 1205 hrs 7/9/88 (good circulation w/ 14 bbls cement to surface). WOC. Cut 7" casing and weld on 7" x 7-1/16" 3M tubing head. Test weld to 1500 psi. NU 7-1/16" BOPE. Test to 1000 psi (DOGMI witness). RIH w/ 6-1/4" bit. Test casing to 1000 psi. Drill out float equipment and drill f/ 462'-553'. Wipe hole to shoe. Drill f/ 553'-735'. Lost circulation. Pull 3 stands. No returns. Pump 3 stands. No returns. Mix LCM pill. RIH 6 stands. Pump LCM and circulate w/ partial returns. POOH to shoe. Mix LCM pill while building surface volume. RIH t/ 735' and pump. LCM pill. Drill w/ 25% returns f/ 735'-825'. Total loss 200 bbls. Mix and pump LCM pill. No returns. POOH. RU HOWCO. With OEDP @ 820', set balanced plug of 66 sx Class "G" + 2% CaCl <sub>2</sub> . POOH 6 stands. WOC.	
The above is correct		
Signature	Date	Title
<i>R.D. Statts</i>	1/19/89	DISTRICT DRILLING ENGINEER
For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.		
AR3B-459-1-D		Number all daily well history forms consecutively as they are prepared for each well. Page no. 2 of 3

**Daily Well History - Interim**

Instructions: This form is used during drilling or workover operations. If testing, coring, or perforating show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form. 1) Submit "Interim" sheets when filled 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.

District	County or Parish	State
WESTERN	COLUMBIA	OR
Field	Lease or Unit	Well no.
MIST	LONGVIEW FIBRE	32-20-65
Date and depth as of 8:00 a.m.	Complete record for each day while drilling or workover in progress	
3-1/2 7-12-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: 825' (0') Drill out cement MW: (10-3/4" @ 40')  WOC. MU bit and RIH. Tag TOC @ 525'. CBU w/ no returns. RIH t/ 493' w/ OEDP. Pump 25 bbl LCM pill and set 65 sx Class G + 2% CaCl <sub>2</sub> + 1/2 #/sx Kwik Seal. POOH. WOC. RIH w/ bit and BHA. Tag TOC @ 463'. Drill cement f/ 463'-493'. Lost returns (hole standing full). RIH t/ 493' w/ OEDP. Pump LCM sweep. Set balanced cement plug w/ 65 sx Class G + 2% CaCl <sub>2</sub> + 1/2 #/sk Kwik Seal. POOH. WOC 1-1/2 hours. Close blind rams and pump 1/2 bbl mud - no pressure increase. Pump 1/2 bbl mud - no pressure increase. WOC. RIH w/ bit and BHA. Tag TOC @ 295'. Drill cement f/ 295'-400'.	
4-1/2 7-13-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: 1249' (424') WOC MW: 8.6 ppg VIS: 39 (10-3/4" @ 40')  Drill cement f/462'-492'. CC mud. Drill cement f/492'-800' w/full returns. Drill 6-1/4" hole f/825'-841'. Wipe hole to shoe. Drill f/841'-1105' w/75% returns. CC mud. Wipe hole to shoe. Drill f/1105'-1249' w/75% returns. CBU. POOH. RIH w/ OEDP to 615'. Set balanced plug w/ 65 sx Class G + 2% CaCl <sub>2</sub> + 10%/sk Gilsonite. POOH. WOC.	
5-1/2 7-14-88	LONGVIEW FIBRE #32-20-65 (C.C. OR) Paul Graham #4 AFE #R46842 TD: P & A (0') Rig released @ 2000 hrs 7/13/88 MW: (10-3/4" @ 40')  Close rams. Squeeze cement plug @ 1/2 bbl increments. Pump 2 bbls w/ no pressure increase. WOC. POOH. PU bit. TIH and tag TOC @ 452'. Set down w/5000#. POOH. LD DC and HWDP. TIH w/ OEDP and tag TOC @ 446' (witnessed by DOGMI). Mix and pump 134 sx Class "G" for surface plug (CIP @ 1355 hrs - DOGMI witnessed). POOH. LD DP. ND BOPE. Release rig @ 2000 hrs 7/13/88.	
The above is correct		
Signature	Date	Title
<i>R.D. Statts</i>	1/19/89	DISTRICT DRILLING ENGINEER
For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.		
AR3B-459-3-D		Number all daily well history forms consecutively as they are prepared for each well. Page no. 3 of 3