

District: WESTERN	County or Parish: COLUMBIA	State: OR
Field: MIST	Lease or Unit: HAMLIN	Well no.: 33-17-65
Auth or W. O. no.: API # 009-00253	Title: NEW DRILL	
Location: SHL: 1638' N'y & 1584' W'y f/SE CORNER SECTION 17, TOWNSHIP 6 NORTH, RANGE 5 WEST, WWM BHL: 1366' N'y & 1818' W'y f/SE CORNER, SECTION 17, TOWNSHIP 6 NORTH, RANGE 5 WEST, WWM		
Operator: ARCO OIL AND GAS COMPANY	ARCO W.I. 100%	
Spudded or W.O. began: SPUD	Date: 9/30/89	Hour: 1815 HRS
Prior status if W.O.:		

ALL MEASUREMENTS KB= 11'

GROUND ELEVATION: 547'

JUNK: None

CASING DETAIL:

Casing	Top of Casing	Shoe Depth	Weight	Grade	New/Used	Hole Size	*Cement
13-3/8"	Surface	40'	54.5#	K-55	Conductor		
9-5/8"	Surface	450'	36#	J-55	New	12-1/4"	250 cf

E-Logs: DIL/SP/CAL/BHC F/3150'-Surface

Gravel Pack: N/A

Slotted Liner: N/A

Perforations: N/A

Plugs: 72 sx cement f/560'-360'; 15 sx cement f/30'-surface

S.W.S: N/A

Geological Markers: Top Keasey = 752'MD; Top Cowlitz = 1920'MD; Top C&W Sands = 2390'MD';
Top N-Shale = 2750'MD; Base C&W Sands = 3097'MD;
T.D. (in Lower Cowlitz Shale) = 3150'MD

*Depth of Cementing (if through perforations): N/A

Old TD	New TD 3150'	PB Depth SURFACE
Released 2000 HRS	Date 10/9/89	Kind of Rig ROTARY (TAYLOR #4)
Classification (oil, gas, etc.) PLUGGED AND ABANDONED	Type of completion (single, dual, etc.) N/A	
Producing Method N/A	Official Reservoir name(s)	
Initial Production	Oil Rate	Gravity
Production After 30 Days	Oil Rate	Gravity
Signature <i>L. D. Watts</i>	Date 2/5/90	Title DISTRICT DRILLING ENGINEER

Arco Oil and Gas Company
P.O. Box 147
Bakersfield, CA 93302

Kwang U. Park 2/06/90
Kwang U. Park
District Drilling Superintendent