

Instructions: This report and summary ("Final Report") on the first Wednesday after a well has been assigned to a Spud Job. Abandonment of Spud Job ("Final Report") and a well summary that also when operations are assigned to an abandonment job. On well-overs when an OIT is used, it is not required that completion report completion and representative just and in the production. The "Final Report" form may be used for recording the entire operation if the well is not able.

WELL SUMMARY REPORT			Accounting cost center code
			EB-60825
Operator	County or Parish	State	
WESTERN	COLUMBIA COUNTY	OREGON	
Field	County or Parish	Well no.	
MIST GAS FIELD	COLUMBIA COUNTY	14-23	
API #	Well type		
R46206 API #: 36-009-00161	DRILL & EVALUATE		
SHL: 1099.69' E & 102.97' S of SW Corner, Sec 23, T6N, R5W, WB&M, Columbia County, Oregon			
BHL: 9' E & 617.87' N of SHL			
Operator	APC No.	Total number of wells active or inactive on this cost center prior to plugging and abandonment of this well	
ARCO OIL AND GAS COMPANY	1.000000		
Spud date	Date	Hours	Prior status if a W.O.
SPUD	8-5-86	2330 HOURS	

Date and depth as of 6:00 a.m. Complete record for each day recorded

Ground Elevation: 652.70' All measurements KB = 11' above GL

Total Depth: 2180' PBD: 1563' Plugs: 2180' - 1650' (OH) Junk: None
1650' - 1563' (Cement)

Casing Detail:

Casing Size	Top of Casing	Shoe Depth	Weight	Grade	New (A)/Used (B)	Hole Size	SX/CF Cement
13-3/8"	11'	31'	48#	K-55 STC	B	As Conductor	
*9-5/8"	11'	433'	53.5#	L-80 BTC	A & B	12-1/4"	203 sx
5-1/2"	11'	1650'	17#	K-55 LTC	A	8-1/2"	510 sx
2-3/8"	11'	1288'	4.7#	J-55 EUE	A		

*2 jts 9-5/8" 36# K-55 STC at surface with second jt BTC to STC XO jt

Perforation Detail:

Casing	From	To	Perforation Size/Spacing
5-1/2"	1358'	1378'	4 SPF using 1-11/16" Enerjet gun with 0° phasing
5-1/2"	1442'	1450'	4 SPF using 1-11/16" Enerjet gun with 0° phasing

E-Logs: DIL/BHC/GR, FDC/CNL/GR, Dipmeter, CBT/CET

Formations: Clark & Wilson at 1356'

Old TD	New TD	PB Depth						
	2180'	1563'						
Release time	Date	Kind of rig						
2300 Hours	8-14-86	Rotary (H & C #5)						
Classification for gas etc.	Type completion (single, dual, etc.)							
Gas	Single							
Producing method	Official reservoir names							
Flowing								
Potential test data								
Well no.	Date	Reservoir	Producing Interval	Oil or gas	Test time	Production		
14-23	8-14-86	Clark & Wilson	1358' - 1450'	Gas		Oil on test / Gas per day		
						-- / 3244 MCF		
Pump size (SPM X length)	Choke size	T.P.	C.P.	Water %	GOR	Gravily corrected	Allowable	Effective date
--	25/64	500	560					

The above is correct

Signature: R. L. THOMAS *Randy Thomas* Date: 9/24/86 Title: DISTRICT DRILLING ENGINEER

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

KellPank