

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

API NO. 15-189-21,227-00-00  
County Stevens  
NW SE Sec. 1 Twp. 33S Rge. 35 East  
West

Operator: License # 03742  
Name Avalon Energy  
Address 216 16th Street, Suite 1100  
City/State/Zip Denver, CO 80202-5125

2301980 Ft North from Southeast Corner of Section  
23101980 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser

Lease Name Armstrong Well # 1-10

Operator Contact Person James T. Reese  
Phone (303) 825-8171

Field Name

Producing Formation

Contractor: License # 5107  
Name H-30 Drilling, Inc.

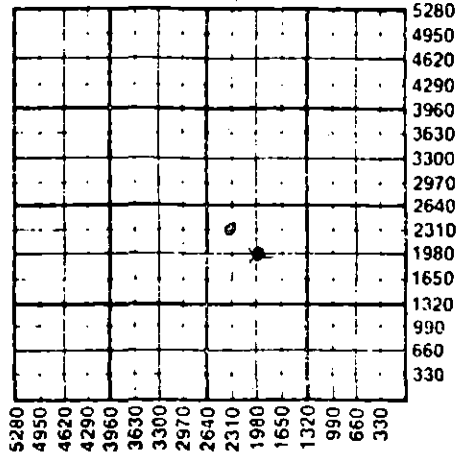
Elevation: Ground 2910 KB 2922

Wellsite Geologist  
Phone

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

Section Plat



WATER SUPPLY INFORMATION  
Disposition of Produced Water:  Disposal  
Docket #  Repressuring

WELL HISTORY  
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7-22-88 7-30-88 8-1-88  
Spud Date Date Reached TD Completion Date  
6375'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 1710 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from feet depth to w/ SX cmt  
Cement Company Name Western Cementing Co.  
Invoice # 884765

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717  
Source of Water:  
Division of Water Resources Permit #  
 Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge East West  
 Surface Water Ft North from Southeast Corner (Stream, pond etc) Ft West from Southeast Corner Sec Twp Rge East West  
 Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature James O. Cable  
Title Senior Production Engineer Date 8-18-88

Subscribed and sworn to before me this 18th day of August 1988  
Notary Public James Reese

Date Commission Expires August 19, 1989

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 22 1988  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 1 Twp. 33 Rge. 35 W

Operator Name .....Avalon Energy..... Lease Name.....Armstrong..... Well #L-10..

Sec.....1..... Twp.....33S..... Rge.....35.....  East  West County.....Stevens.....

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Sand	0	600'
Red Bed	600'	1,180'
Sand	1,180'	1,375'
Red Bed	1,375'	1,720'
Red Bed, Lime & Shale	1,720'	2,220'
Shale and Lime	2,220'	2,736'
Lime and Shale	2,736'	3,480'
Shale and Lime	3,480'	3,700'
Lime and Shale	3,700'	4,350'
Shale and Lime	4,350'	4,650'
Lime and Shale	4,650'	4,960'
Shale and Lime	4,960'	5,140'
Lime and Shale	5,140'	5,545'
Shale and Lime	5,545'	5,790'
Lime and Shale	5,790'	6,095'
Shale and Lime	6,095'	6,160'
Lime and Shale	6,160'	6,375'
Rotary Total Depth		6,375'

CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Conductor		20"		47'	5 yards	grout	
Surface	12 1/4"	8 5/8"	24#	1710'	Lite Wt. Class C	600	6% gel 2% cc 2% cc
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
None				None			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Size		Set At		Packer at	
		None					
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
		Bbl's	MCF	Bbl's	CFPB		

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled .....