

DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
910 State Office Building Portland, OR 97201

## HISTORY OF OIL OR GAS WELL

(In compliance with rules and regulations pursuant to ORS 520)

Nahama & Weagant Energy Co. Columbia County CC 44-8-64  
(Company or Operator) (Lease) (Well No.)  
Sec. 8, T 6N, R 4W Surveyed Coordinates (if directional, BHL & SHL): B31'W & B70'N  
from SE Corner Section 8, 6N, 4W  
Wildcat: X (or) Field Name: \_\_\_\_\_ County: Columbia  
Signature: Trent E. Paasch  
Date: September 24, 1991 Position: Vice President, Engineering

Use this form in reporting the daily operations at the well. (Operator may use his own forms, but heading of this form must also be completed and submitted.) Please submit a complete history of the well. Include such information as bit sizes, mud weights, casing sizes and depths set, amount of cement used, drilling depths, fishing, logging, perforating, and plugging procedures, and anything else pertinent to the operation. Do not include lithology.

Date

DRILLING HISTORY1991

7/26

508'  
MW 67 pcf Vis 52 pH 9.0  
Move in and rig up Taylor Drilling Rig #7. Weld on conductor.  
Spud 12 1/4" hole at 8:30 a.m. (7/25/91). Drill to 104', drill to 508'. Circulate clean, wipe hole to surface (free).  
Circulate clean at 6:00 a.m.

7/27

508'  
MW 66 pcf Vis 45  
Surveys: 0° 30' at 508'  
Circulate hole clean. Pull out of hole. Rig up and run 12 jts. (511') of 8 5/8", 24#, L.S.S.T. & C. Shoe set at 507'.  
Centralizers around collars of joints #1, 3, & 5. Cement casing with 10 bbls. water ahead. Mix & pump 100 sx class "G" cement + 8% Gel + 3% CaCl<sub>2</sub> + 10#/sx Calseal + .25% Floseal followed by 100 sx class "G" + 3% CaCl<sub>2</sub> + .25% Floseal. Dropped plug and displaced with 32 1/2 bbl. water and bumped plug. Float held. CIP at 10:00 a.m. Returned approximately 5 1/2 bbl. cement to surface. Wait on cement. Cut off conductor and casing. Weld on 8 5/8 SOW x 11" - 3M casing head and test welds to 1000 psi. Nipple up BOPE and test blind rams to 1000 psi. Make up bit #2 and BHA. Run in hole to 488'. Test BOPE to 1000 psi. Witnessed and approved by DOGAMI at 6:00 a.m.

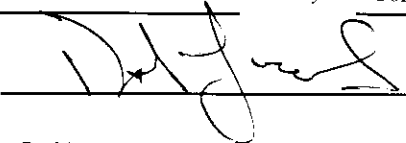
- 7/28 1099'  
MW 67 pcf Vis 52  
Surveys: 1° at 977'  
Finish testing BOPE. Drill out cement, plug & shoe. Drill from 508' - 817'. Circulate clean, repair rig rotary clutch. Wipe hole to shoe (free). Drill to 850'. Repair rotary clutch. Drill to 852'. Replace valve in mud line. Drill to 977'. Circulate clean. Survey. Wipe hole to shoe (free). Drill to 1099'. Repair mud line at 6:00 a.m.
- 7/29 1810'  
MW 70 pcf Vis 46 pH 8.5  
Surveys: 0° 45' at 1471', 0° 45' at 1810'  
Drill from 1099' to 1176'. Circulate clean. Wipe hole to 936'. Circulate for mud logger. Drill to 1502'. Circulate clean. Survey and wipe hole to 1142'. Drill to 1810' T.D. Circulate clean. Survey. Wipe hole to shoe (free). Circulate clean. Pull out of hole at 6:00 a.m.
- 7/30 1270' (E.D.)  
Finish pulling out of hole. Rig up, run in hole with DIL-BCS-CAL-GR to 1810'. Log from 1808'-507'. Run in hole with CDL-DSN-GR to 1810'. Log from 1808'-507'. Run in hole with FED to 1810'. Log from 1808'-507'. Rig down loggers. Run in hole to 1770'. Circulate and condition hole for casing. Pull out of hole, laying down drill string. Rig up casing tongs and run 31 jts. (1316.97') 4 1/2" 10.5#, J-55, ST&C casing; shoe at 1314', insert at 1271'. Rig up cementing head, circulate & reciprocate casing. Cement casing as follows: Pump 20 bbls. mud flush ahead. Mix & pump 150 sx class "G" + 2% Gel, followed by 72 sx class "G" + 2% KCL with water + 2% Microbond + 1% Gasban (100 cu. ft.). Wash out lines. Drop plug & displace with 20.2 bbl. H<sub>2</sub>O to insert. Bleed off & check float. C.I.P. at 10:00 p.m. (7/29/91). Returned approximately 17 bbl mud flush to surface. Set casing slips. Nipple down B.O.P. Cut off 4 1/2" casing and installed 10" x 7 1/6"-3M tubing head and tested to 3000 psi. Clean mud pits. Layed down Kelly. Rig released 6:00 a.m.

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

800 NE Oregon St #28

Portland, OR 97201

HISTORY OF OIL OR GAS WELL  
(In compliance with rules and regulations pursuant to ORS 520)

Enerfin Resources Northwest		"Columbia County"		44-08-64 (Windy Hill)	
(Company or Operator)		(Lease)		(Well No.)	
Sec. <u>8</u>	<u>T</u>	<u>6N</u>	<u>R</u>	<u>4W</u>	Surveyed Coordinates:
SHL= <u>869.75' North and 830.81' West from the Southeast corner of Section 8</u>					
BHL= _____					
Wellcat: <u>NA</u>	(or) Field Name: <u>Mist Gas</u>		County: <u>Columbia</u>		
Signature: 			_____		
Date: <u>August 18, 1999</u>	Position: <u>Operations Manager</u>				

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Date

08-17-99 MIRU Taylor workover rig and pump. Open well (150 SITP/150 SICP). Bleed pressure off well and circulate with water to assure static condition. Remove tree and install BOPE. Pull hanger and lower tubing tail to 1.157'. Equalize 25 sx of Class "G" cement. Pull out of hole. Secure rig and CWIFN.

08-18-99 Open well. Run in hole with tubing and locate TOC at 79' (witnessed and approved by Dan Wermiel-DOGAMI). Change hole over to drilling mud. Pull out of hole laying down tubing. Nipple down BOPE. Cut off wellhead and cut casings 5' below GL. Set 25 lineal foot cement plug in 4-1/2" casing and 4-1/2" X 8-5/8" annulus. Rig down hoist.