

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" 34-31-65R (Bigfoot)
(Company or Operator) (Lease) (Well No.)

Sec. 31 T 6N R 5W Surveyed Coordinates:
SHL= 662' North and 2,047' West from the Southeast corner of Section 31
BHL= 971' North and 1,742' West from the Southeast corner of Section 31

Wildcat: NA (or) Field Name: Mist Gas County: Columbia
Signature: *[Signature]*

Date: August 18, 1999 Position: Operations Manager

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 operations. Do not include lithology.

Date	
08-09-99	MIRU Taylor workover rig and pump (pulled equipment onto location with Cat).
08-10-99	Open well (550 S1TP). Bleed pressure off well and circulate with water to assure static condition. Remove tree and install BOPE. Pull hangar and lower tubing to 1,560'. Equalize 25 sx of Class "G" cement. Pull out of hole (slips failed and dropped approximately 11 joints tubing while tripping out-left in hole). Wait on cement. Run in hole with sinker bars on sandline and locate TOC at 1,316' (witnessed and approved by Dan Wermiel-DOGAM). Run in hole with tubing to 1,316'. Change hole over to drilling mud. Pull out of hole laying down tubing. Secure rig and CWIFN.
08-11-99	Nipple down BOPE. Cut off wellhead and cut casing 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 and move equipment off location.

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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 34-31-65
(Company or Operator) (Lease) (Well No.)

Sec. 34 T 6N R 5W Surveyed Coordinates (if directional, BHL & SHL): SHL - 2047'W & 662'N of SE Cor. BHL - 971'N & 1742'W of SE Cor.

Wildcat: Yes (or) Field Name: County: Columbia
Signature: *[Signature]*

Date: 12-12-91 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	
1991	
8/14	273' MW 8.9 pcf Vis 45 pH 9.5 MIRU Taylor Drilling Rig #7. Weld on conductor. Unload mud materials. Rig up mud cleaner. Take on spud mud. Spud 12 1/4" hole at 7:30 p.m. (8-13-91). Drill to 206'. Unplug flow line. Drill to 273'.
8/15	503' MW 8.9 pcf Vis 42 Survey: 0° at 503' Drill from 273' to 460'. Hole packed off. Pumped away approximately 15 bbl. mud. Pulled out of hole to surface. Cleaned stabilizer and bit, spot reamed back to 460'. Drill to 503', circulate clean. Wipe hole to surface (free). Circulate clean, survey, pull out of hole (free). Rig up and run 12 joints (504') of 8 5/8", 24#, L/S ST&C casing equipped with float shoe set at 502', centralizers around #1, #3 and #5 casing collars. Pumped 20 bbl. water ahead, mixed and pumped 100 sx class "G" cement with 8% gel, 10#/sx Calseal, .25% Flocele, 3% CaCl2. Followed by 75 sx class "G" cement with .25% Flocele, 3% CaCl2. Dropped plug and displaced with 33 bbl. water and bumped plug. Float held, CIP at 12:05 a.m. Returned approximately 4 bbl. cement to surface. Wait on cement. Cut off conductor and casing. Weld on 8 5/8" S.O.W. x 11" - 3M casing head.

OGHist6.For/7

Rev. August 29, 1990

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8/16	1038' MW 66.5 pcf Vis 45 pH 9.0 Survey: 0° 45' at 1006' Weld on casing head and test welds to 1000 psi - OK. Nipple up BOPE and test blind rams to 1000 psi - OK. Make up new Bit #2 and BHA. Run in hole to 450' ±. Circulate clean. Test BOPE for DOGAMI (witnessed and approved by Dan Wermiel). Drill out cement plug and shoe at 503' with 7 7/8" bit. Repair rig. Drill to 819'. Wipe hole to shoe (5-8,000# drag). Drill to 1006', circulate and survey. Drill to 1038'.
8/17	2043' MW 73 pcf Vis 47 pH 8.5 Survey: 0° 45' at 1629' Drill from 1038' to 1100', circulate clean. Wipe hole to 740' (4-6,000# drag). Drill to 1340', circulate clean. Wipe hole to 1100', (free), circulate clean. Wipe hole to shoe (free; ream from 686' to 725'). Drill to 1506', circulate for loggers. Drill to 1629', circulate clean. Survey and wipe hole to 1329' (free). Drill to 2043'.
8/18	2063' MW 73 pcf Vis 47 pH 8.5 Survey: 2° 15' at 2063' Drill from 1629' to 2063', circulate clean. Wipe hole to shoe (free; reamed 1312'-1351' and 1590'-1629' while running back in hole). Circulate clean, pull out of hole (free). Rig up Halliburton Logging Services and run in hole with DIL-CSL-CAL to 2042'. Log from 2040' to 503', rig down loggers. Run in hole with 4 1/2" drill pipe open ended to 1554', circulate clean. Rig up Halliburton and equalize 30 sx class "G" cement (CIP at 9:30 p.m., 8-17-91). Pull out of hole to 686'. Rig up Halliburton and equalize 60 sx class "G" cement with 3% CaCl2 (CIP at 10:15 p.m., 8-17-91). Lay down excess drill pipe and wait on cement for kick off plug.
8/19	570' MW 69.5 pcf Vis 35 pH 11 2° N 2° E at 567' Wait on cement. Run in hole and tag cement at 511'. Wait on directional tools and supervisor. Drill cement to 535'. Unload directional tools. Drill cement to 550' (K.O.P.), circulate clean. Pull out of hole. Pick up mud motor and make up new BHA. Run in hole to 550', orient mud motor. Drill with mud motor to 570'.
8/20	561' MW 66.5 pcf Vis 45 pH 11 Drilling with mud motor from 570' to 666', circulate hole clean. Pull out of hole.

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Lay down monel and mud motor. Measure, pickup and run in hole with 4 1/2" drill pipe open ended to 652'. Rig up Halliburton and equalize 50 sx class "G" cement with 3% CaCl2 (CIP at 1:15 p.m.). Wait on cement. Run in hole with bit and tag cement at 526'. Circulate out cement to 527'. Wait on cement. Drill out cement to 550'. Circulate clean. Pull out of hole, pick up mud motor and monel. Run in hole to 550', orient mud motor. Drill with mud motor to 561'.

8/21	1102' MW 70 pcf Vis 46 pH 11 5° 30' N 45° E at 687' 9° 30' N 37° E at 780' 11° N 31° E at 843' 14° 30' N 35° E at 906' 23° N 46° E at 1062' Drilling and surveying with mud motor as directed from 561' to 883', circulate clean. Wipe hole to shoe (free), drilling and surveying with mud motor to 1102'. Circulate clean, pull out of hole. Lay down mud motor, make up new BHA. Run in hole, ream from 540' to 1102' (tight 920'-968'). Circulate clean, pull out of hole to change BHA.
8/22	1850' MW 72 pcf Vis 49 pH 10 23° N 47° E at 1277' 23° N 47° E at 1334' Change BHA, run in hole. Drill from 1102' to 1277', circulate. Survey and wipe hole to 977' (free), drill to 1557'. Circulate for logger, drill to 1602'. Repair rotary clutch hole. Drill to 1850'.
8/23	1902' 25° 30' N 46° E at 1902' MW 74.5 pcf Vis 43 pH 10.5 Drill from 1850' to 1902' TD at 7:20 a.m. (8-22-91). Circulate clean, survey, wipe hole to 1300' (pulled free). Circulate clean (background gas stayed at 30). Run in hole, circulate clean. Pull out of hole to 836' (pulled free but swabbed periodically). Closed HYDRIL and circulated out gas cut mud. Run in hole to 1076', circulate out gas cut mud. Run in hole to 1400', circulate out gas cut mud. Run in hole to 1752', circulate clean and spot ream to 1902'. Circulate and raise mud weight to 75 pcf. Pumped nut shell sweep, pull out of hole (free). Rig up Halliburton Logging Services. Run in hole with DIL-BCS-CAL-GR to 1894', logged interval 1892' to 502'. Run in hole with CDL-DSN-GR to 1742', log interval 1740' to 1210'. Riggged down loggers. Run in hole with bit to 1900', circulate clean (21 units of trip gas).

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Pull out of hole (free). Rig up loggers. Run in hole with FED to 1825', logged interval 1823' to 1150'.

8/24	Finish running FED. Riggged down loggers. Run in hole with 7 7/8" bit to 1900'. Circulate clean. Laid down drill pipe HW & collars. Ran 39 joints (1708') of 4 1/2", 10.5#, J-55, ST&C casing. Riggged up Halliburton and circulated casing clean while reciprocating. Pump 20 bbl. mud flush ahead and cement casing with 100 of class "G" cement and 6% gel followed by 100 of class "G" cement, 2% KCL, 2% Microbond and 1% Gasban. Displaced plug to insert with 26 bbl. water. Float held. CIP at 6:00 p.m. (8-23-91). Set casing slips as cemented. Nippled down BOPE. Cut and dressed 4 1/2" casing. Install 11" x 7 1/6" - 3M tubing head and test to 1500 psi - OK. Rig released at 4:00 a.m. (8-24-91).
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