STATE OF OREGON

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): 831'W & 870'N
from SE Corner Section 8, 6N, 4W

Wildcat: X  (or) Field Name:  County: Columbia

Signature: Trent R. Recchia

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 HISTORY

1991

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% CaCl2 + 10#/sx Calseal + .25% Floseal
followed by 100 sx class "G" + 3% CaCl2 + .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
wells 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'

7/29
1810'
MW 70 pcf   Vis 46   pH 8.5
Surveys: 0° 45’ at 1471’, 0° 45’ at 1810’

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. H2O 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.
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98-17-99 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 hangar and lower tubing tail to 1,157'. Equalize 25 sx of Class "G" cement. Pull out of hole. Secure rig and CWIN.

98-18-99 Open well. Run in hole with tubing and locate TOC at "S" (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.