

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
800 NE OREGON ST. #28 PORTLAND, OR. 97232

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

Operator Nahama & Weagant Energy Co. Lease Columbia County Well No. CC 31-15-65  
Sec 15 T 6N, R 5W, Surveyed Coordinates (if directional, BHL & SHL): SHL: 1789'W & 687'S fr.  
NE corner BHL: 247.79' S. & 123.49'W. fr. surface location  
Wildcat: (or) Field Name: Mist County Columbia County  
Signature Trent R. Rosenthal

Date: 12/18/92 Position: Vice President Operations (Address) 4700 Stockdale Hwy. Ste 110 Bakersfield, Ca. 93309

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.

1992

10/29 334'  
MW 8.5 #/gal Vis 44  
MIRU Taylor Rig #7. Spud 12 1/4" hole @ 5:00 PM 10/28/92. Drill from 30'-73'. Lost circulation. Mix LCM & build volume. Drill from 73'-268'. Partial loss of circulation. Mix LCM & build volume. Drill from 268'-334'. Repair rotary clutch air line @ 6:00 AM.

10/30 502'  
MW 8.8 #/gal Vis 37 pH 7.6  
502': 1'45"  
Drill from 334'-338'. Lost circulation. POOH. Mix LCM & build volume. RIH. Ream from 188'-338'. Drill to 502'. Circulate and survey. Wipe hole to shoe. RU and run 12 jts 8 5/8", 24#, J-55, ST&C casing with shoe @ 501'. Cement casing as follows: 125 sx premium cement + 8% gel + 3% CaCl<sub>2</sub> + 10#/sx Calseal + .25#/sx Flocele followed by 100 sx Premium cement + 3% CaCl<sub>2</sub> + .25#/sx Flocele. CIP @ 12:30 AM 10/30/92. Cement returns to surface. WOC. Cut conductor & casing. Weld on casing head @ 6:00 AM.

10/31 998'  
MW 9.2 #/gal Vis 44 pH 11.0  
Test welds to 1500 psi - OK. Install BOPE & test to 1200 psi - OK. MU bit and BHA. RIH, circulate clean. Test BOPE with DOGMI witnessed and approved. Drill out cement & shoe. Drill 7 7/8" hole from 502'-842'. Circulate clean. Wipe hole to shoe. Drill from 842'-998' @ 6:00 AM.

11/1 1620'  
MW 9.4 #/gal Vis 42 pH 8.5  
1029': 1'30"  
1558': 1'30"  
Circulate clean @ 998'. Drill from 998'-1017'. POOH to shoe. Replace swivel packing. RIH drill from 1017'-1029'. Circulate and survey. Drill from 1029'-1067'. POOH to shoe. Repair shaker. RIH. Circulate clean. Drill from 1067'-1402'. Circulate and wipe hole to 813'. Drill from 1402'-1526'. Circulate clean. Drill from 1526'-1558'. Circulate and survey. Drill from 1558'-1620' @ 6:00 AM.

11/2 2140'  
MW 9.6 #/gal Vis 44 pH 8.0  
2055': 2"  
Drill from 1620'-1713'. Circulate clean. Wipe hole to 1053'. Drill from 1713'-1901'. Circulate clean. Wipe hole to 1230'. Drill from 1901'-2055'. Circulate and survey. POOH, change bit. RIH, drill from 2055'-2140' @ 6:00 AM.

11/3 2794' TD  
MW 9.8 #/gal Vis 43 pH 8.0  
Drill from 2140'-2208'. Circulate clean. Wipe hole to 1900'. Drill from 2208'-2426'. Circulate clean. Wipe hole to 2100'. Circulate for loggers. Drill from 2426'-2608'. Circulate clean. Drill from 2608'-2794' TD. Circulate clean for wiper trip @ 6:00 AM.

11/4 2794' TD  
MW 9.8 #/gal Vis 44 pH 7.8  
2794': 1'30"  
Survey @ 2794'. Wipe hole to shoe. Circulate clean. POOH. RU loggers and run DIL-BHC-GR from 2789'-501'. Rig down loggers. RIH to 2794'. Circulate clean. POOH. RU loggers and run SHDT from 2793'-1700'. Rig down loggers. RIH with open ended DP to 2327'. Circulate clean. RU cementers and pump 30 sx. Premium cement. CIP @ 4:30 AM. POOH to 711'. RU cementers and pump 90 sx. Premium cement + 3% CaCl<sub>2</sub> @ 6:00 AM.

11/5 566'  
MW 8.8 #/gal Vis 37 pH 12.0  
CIP @ 6:15 AM. WOC. MU BHA & bit. RIH to 360' circulate clean. RIH to 489'. Drill soft cement to 534'. Circulate and condition mud. WOC. Drill cement to 566'. Circulate and condition mud. POOH. MU BHA. RIH to 566' @ 6:00 AM.

11/6 1079'  
MW 9.1 #/gal Vis 43 pH 12.0  
Circulate clean @ 566'. Survey and orient mud motor. Drill and survey to 998'. Circulate clean. POOH. MU new BHA. RIH to 998'. Circulate clean. Drill from 998'-1079' @ 6:00 AM.

11/7 1778'  
MW 9.2 #/gal Vis 42 pH 11.0  
Circulate & survey @ 1079'. Drill from 1079'-1173'. Circulate and survey. Wipe hole to shoe. Drill from 1173'-1327'. Circulate and survey. Drill from 1327'-1390'. Circulate and wipe hole to shoe. Drill from 1390'-1576'. Circulate and survey. Drill from 1576'-1638'. Circulate and POOH. Change BHA. RIH. Drill from 1638'-1778'. Circulate and survey @ 6:00 AM.

11/8 2546' TD  
MW 9.7 #/gal Vis 50 pH 11.0  
Drill from 1778'-1871'. Circulate and survey. Wipe hole to 1550'. Drill from 1871'-1965'. Circulate and survey. Drill from 1965'-2121'. Circulate and survey. Wipe hole to 1500'. Drill from 2121'-2546' TD @ 4:30 AM. Circulate and survey. Wipe hole to shoe @ 6:00 AM.

11/9 2546' TD  
MW 9.7 #/gal Vis 37 pH 10.0  
Finish wiper trip to shoe. Circulate clean. POOH. RU loggers and run DIL-BHC-GR from 2494'-501'. Rig down loggers. MU BHA & RIH to 2502'. Circulate and condition mud for casing. POOH. RU and run 56 jts of 4 1/2" 10.5#, J-55, ST&C casing with shoe @ 2447'. RU cementers. Circulate and recirculate casing. Cement casing as follows: 165 sx. Premium cement + 6% Gel followed by 100 sx Premium cement + 2% KCL (w/w) + 2% Microbond 1% Gasban. CIP @ 5:59 AM. Calculated TOC @ 769'. Prepare to set casing slips @ 6:00 AM.

11/10 Set casing slips as cemented. Remove BOPE. Cut and dress casing. Install tubing head and test to 1500 psi - OK. Clean mud pits. Release rig @ 8:00 PM 11-9-92.

Directional Survey Attached

**COMPLETION:**

11/16 MIRU Taylor Drilling WS #1. PU casing scraper and RIH with 75 jts of 2 3/8" tbg to 2398'. Circulate well.

11/17 POOH with scraper. RU loggers and run CBL, CET and TDT logs. RIH with guideshoe and 67 jts of 2 3/8", 4.7#, J-55 tbg. Land tbg. @ 2075'. Install tree. RU and swab well to 1600'.

11/18 RU perforators. Perforate from 2131'-2196'. Rig down perforators. Open tubing to flow line. Flow well to clean up. Rig down WS #1. RU orifice tester and flow test well. Release Taylor rig @ 1:30 PM 11/18/92.