

HISTORY OF OIL OR GAS WELL

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

Nahama & Weagant Energy Company (Company or Operator)	Cavenham Energy Resources (Lease)	CER 14-26-64 (Well No.)
Sec. <u>26</u> T <u>6N</u> , R <u>4W</u>	Surveyed Coordinates (if directional, BHL & SHL): <u>1239' N & 251' E</u> of SW Cor.	
Wildcat: <u>Yes</u> (or) Field Name: _____	County: <u>Columbia</u>	
Signature: <u>Robert Rosenthal</u>		
Date: <u>12-13-91</u>	Position: <u>VP Engineering</u>	

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	
9/6	287' MW 8.8 ppg Vis 37 MIRU Taylor Drilling Rig #7. Spud 13 3/4" hole at 8:00 p.m. (9-5-91). Drill to 287'
9/7	520' MW 8.8 ppg Vis 35 Survey: 1° S 50° W at 520' Drill from 287' to 520', circulate clean. Wipe hole to surface (free), circulate clean. POOH. Rig up and run 12 joints (523') of 9 5/8", 36#, J-55, ST&C casing equipped with float shoe and centralizers around collars of joints #1, #3 and #5. Cement casing shoe at 520' with 150 sx class "G" cement with 8% gel, 10#/sk Calseal, .25% Flocele & 3% CaCl ₂ , followed by 100 sx class "G" cement with .25% Flocele and 3% CaCl ₂ . Drop plug and displace with 40 bbl. water. CIP at 7:00 p.m. (9-6-91). Float held. Returned approximately 5 bbls. cement to surface. Wait on cement. Cut off conductor and casing. Weld on 9 5/8" SOW x 11" - 3M casing head and test welds to 1200 psi. Nipple up BOPE at 6:00 a.m.

Hist6.For/7 Rev. August 29, 1990

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9/8	944' MW 8.7 ppg Vis 53 pH 8.5 Survey: 1° 30' S 50' W at 593' 3° 45' S 5° W at 654' 4° S 20° E at 716' 6° S 26° E at 779' 8° S 21° E at 842' 11° 30' S 28° E at 935' Nipple up BOPE. Test blind rams to 1000 psi. Make up new Bit #2 and BHA. Run in hole to 490', circulate clean. Test BOPE to 1000 psi (test of BOPE waived by DOGAMI). Drill out cement and shoe. Drill 8 3/4" hole from 520' to 580', circulate clean. POOH, run 1" PVC pipe in the 9 5/8" x 13 3/4" annulus to 150'. Pump 75 sx. class "G" cement with 2% CaCl ₂ . CIP at 3:00 p.m. (9-7-91). WOC, tag cement 5' below surface after 2 hours waiting on cement. Make up mud motor and run in hole to 580'. Circulate clean and orient mud motor. Drilling and surveying as needed with mud motor from 580' to 882' (lost circulation). Circulate (built volume and mix LCM). Drill to 944' with partial returns. Circulate (built volume and mix LCM).
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9/9	1400' MW 8.8 ppg Vis 41 pH 8.5 Survey: 14° 45' S 30° E at 1027' 17° S 32° E at 1120' 18° S 18° E at 1287' 20° S 18° E at 1380' Circulate (build volume and mix LCM). Drill from 944' to 1007'. Survey, circulate (build volume and mix LCM). Drill to 1067', wipe hole to shoe (free), survey. Drill to 1192'. POOH, lay down mud motor and make up new BHA to build angle. Circulate (build volume and mix LCM). RIH to 1192'. Drill to 1307', circulate (build volume and mix LCM). Drill to 1338', circulate (build volume and mix LCM). Drill to 1400'
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9/10	1567' MW 8.8 ppg Vis 40 pH 12 Survey: 22° 30' S 16° E at 1505' Circulate and survey at 1400'. Drill to 1463', circulate (build volume and add LCM), Drill to 1525', circulate and survey. POOH (free), RIH with open-ended drill pipe to shoe, wait on cementers. RIH to 900'. Rig up Halliburton and equalize 145 sx class "G" cement with .25% Flocele, 2% CaCl ₂ . CIP at 4:15 p.m. (9-9-91). POOH, RIH with bit and BHA, wait on cement. RIH, tag cement at
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9/11	2133' MW 9.0 ppg Vis 51 pH 9.5 Survey: 26° S 27° E at 1590' 28° S 31° E at 1653' 28° 30' S 34° E at 1716' 29° S 31° E at 1778' 28° S 35° E at 1871' 28° S 36° E at 1973' Circulate and survey at 1567'. Drill to 1599', circulate and survey. Drill to 1818', circulate and survey. Drill to 1911', circulate for mud logger and survey. Drill to 2004', circulate and survey. Drill to 2035' (Steady slow loss of fluid to formation). Circulate and POOH (free). Lay down mud motor. Make up new BHA, run in hole to 1700±. Ream to 2035' while building pit volume and adding LCM. Circulate for loggers. Drill to 2133' (continued slow seepage of fluid to formation).
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9/12	2702' MW 9.2 ppg Vis 49 pH 9.0 Survey: 27° S 34° E at 2151' 28° 30' S 31° E at 2338' 30° 30' S 29° E at 2552' 32° S 29° E at 2702' Drill from 2133' to 2151', circulate and survey. Drill to 2325'. Repair rotary clutch. Drill to 2338'. circulate, survey and wipe hole to 1978' (free). Drill to 2552', circulate and survey. Drill to 2702' T.D. at 9:15 p.m. (9-11-91). Repair broken rotary chain. Survey and POOH to shoe. (10,000# spot drag and partial swabbing from 2702' to 2462'). RIH to 2702', circulate clean, POOH for electric logs.
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9/13	2036' (Effective Depth) POOH, rig up Halliburton Logging Services and RIH with DIL-BCS-GR-CAL to 2692'. Log interval from 2690' to 520'. RIH with FED to 2678', log interval from 2676' to 1300'. Rig down loggers. RIH with and lay down extra D.C.'s and monel. Unload casing, make up bit and RIH to 2538'. Circulate and condition drilling fluid and measure casing. POOH, laying down drill pipe. Repair rotary clutch hose. Finish laying down drill pipe. Lay down H.W. & D.C.'S. Rig up casing tongs and run 48 joints (2084") of 4 1/2" 10.5#, J-55 ST&C casing. Rig up Halliburton, circulate and reciprocate casing.
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9/14	2036' Circulate and reciprocate casing. Cement casing with 20 bbls. mud flush ahead. Mix and pump 88 sx. (150 cf) class "G" cement with 6% gel, followed by 87 sx. (100 cf) class "G" cement with 2% KCL, 2% Microbond, 1% Gasban. Wash out lines, drop plug and displace with 32 1/2 bbl. water. Float held. CIP at 7:12 a.m. (7-13-91). Set casing slips as cemented. Nipple down BOPE. Cut off and dress 4 1/2" casing. Install 11" - 3M x 7 1/6" - 3M tubing head and test to 500 psi. Clean mud pits. Release rig at 4:00 p.m. (9-13-91).
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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 (Company or Operator)	"Bascom Pacific LLC" (Lease)	14-26-64 RD #1 (Cedar Point) (Well No.)
Sec. <u>26</u> T <u>6N</u> , R <u>4W</u>	Surveyed Coordinates:	
SHL= <u>1,239' North and 251' East from the Southwest corner of Section 26</u>		
BHL= <u>981.66' South and 1,500.07' East from SHL at 3,050' (2,115.85' TVD)</u>		
Wildcat: <u>NA</u> (or) Field Name: <u>Mist Gas</u>	County: <u>Columbia</u>	
Signature: <u>Rob Lucas</u>		-Rob Lucas
Date: <u>January 3, 2000</u>	Position: <u>Consultant</u>	

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	
January 21, 2000	MIRU Taylor Drilling Rig #7 on 01-20-00. Take on water and prepare to kill well. Circulate well with water to static condition. Remove tree and install BOPE. Unload and set mud cleaner, and unload MWD tools. Pull hangar and lower tubing tail to 1,937'. Rig up to set cement plug at midnight.
January 22, 2000	Finish rigging up cement unit. Mix, pump, and equalize 25 sx of Class "G" cement from 1,937'. Pull out of hole. Wait on cement. Run in hole and locate TOC at 1,818' (witnessed and approved by Dan Wermiel-DOGAMI). Change hole over to drilling mud. Run in hole with open ended DP and HWDP to shoe. Wait on cementers. Remove BOPE and tubing head. Make up 4-1/2" casing cutter on 2-3/8" tubing. Run in hole to 631'. Rig up power swivel and cut casing. Pull out of hole. Lay down cutter and make up 4-1/2" casing spear. Pull casing free and lay down same. Nipple up 11" 3M BOPE at midnight.
January 23, 2000	Finish nipping up BOPE. Make up 8-1/2" bit. Measure, pick-up, and run in hole with HWDP to 631'. Circulate clean and spool LCM pill. Pull out of hole. Run in hole with 2-3/8" tubing to 631'. Rig up Halliburton Energy Services (HES) cementers. CIP at 10:15 AM, rig down HES. Lay down tubing. Wait on cement (drill out mousehole and rat hole). Testing CSO rams to 500 PSI at midnight.
January 24, 2000	Test CSO rams to 500 PSI-OK. Make up 8-1/2" bit. Run in hole to 517'. Test BOPE to 800 PSI-OK (witnessed and approved by Dan Wermiel-DOGAMI). Drill out cement plug to 550' KOP. Circulate clean and condition mud. Pull out of hole. Break out 8-1/2" bit, and make up new 6-1/4" bit (#1) and MWD steerable system. Run in hole. Directionally drill to 803'. Circulate clean. Wipe hole to shoe (free). Drill to 883' (lost circulation-125 BBLs). Build volume and mix LCM. Drill to 1,016' (continued loss of circulation to complete loss of returns-325 BBLs). Pull out of hole to shoe (free). Build volume and mix LCM at midnight. MW 8.5 Vis 38 WL 13.2
January 25, 2000	Finish mixing LCM. Run in hole to 1,016'. Directionally drill to 1,046' (continued loss of circulation to complete loss of returns 125 BBLs). Pull out of hole to shoe (free). Build pit volume and mix LCM. Attempt to fill hole from surface with no success. Call for cementers. Pull out of hole. Break bit and stand back MWD tools. Run in hole with open ended DP and HWDP to shoe. Wait on cementers. Run in hole to locate TOC to 625' (no plug). Rig up Halliburton Energy Services (HES) cementers. Spot LCM pill. Mix, pump, and equalize 75 sx (86.25 CFT) of "Premium" cement + .75% CFR-3 (1.07 cft/sk yield) mixed at 16.4 PPG. CIP at 15.8 PPG (1.15 cft/sk yield), CIP at 9:45 PM with no returns to surface throughout job. Pull out of hole (lay down excess HWDP and DP). Make up bit and reaming assembly at midnight. MW 8.5 Vis 38 WL 13.2
January 26, 2000	Run in hole to shoe. Wait on cement. Run in hole and locate TOC at 1,007'. Stage in hole to 1,007' with no success (4-6K full) Pull out of hole to 605'. Establish circulation with full returns. Stage in hole to 1,007'. Drill out cement to 1,033' (lost circulation-100 BBLs loss at 10% returns). Drill to 1,076' (50 BBLs loss at 10% returns). Pull out of hole. Lay down bit and stabilizers. Run in hole with open ended DP and HWDP to shoe. Wait on cementers. Stage in hole to 1,064'. Rig up Halliburton Energy Services (HES) cementers. Mix, pump, and equalize 55 sx (85 CFT) of "Light" cement + .25#/sk Flocele + 2% CaCl ₂ mixed at 13.6 PPG (1.54 cft/sk yield), CIP at 10:00 PM with full returns to surface throughout job. Pull out of hole (lay down excess HWDP and DP). Make up bit and reaming assembly at midnight. MW 8.5 Vis 34 WL 13.2
January 27, 2000	Run in hole to shoe. Wait on cement. Stage in hole and locate TOC at 1,020'. Clean out to 1,076' (slight steady loss of fluid-2 BBLs/hour). Pull out of hole. Lay down bit and stabilizers, and make up bit and MWD steerable drilling assembly (shallow test Electromagnetic "EMT" survey instrument). Run in hole to 1,076'. Circulate clean. Drill to 1,090' ("EMT" not working). Pull out of hole. Change out "EMT". Run in hole to 1,090'. Drill to 1,547' (slight steady loss of fluid-20 BBLs/hour). Circulate clean. Wipe hole to 897' (2-4 spot drag). Drill to 1,829' (continued slight steady loss of fluid-20 BBLs/hour) at midnight. MW 8.7 Vis 39 WL 12.4
January 28, 2000	Drill from 1,829'-2,015' (continued slight steady loss of fluid-20 BBLs/hour). Circulate clean. Wipe hole to 1,358' (4-6K spot drag). Drill to 2,391' (continued loss of fluid as before). Circulate clean. Wipe hole to 1,771' (6-12K spot drag). Drill to 3,050' TD at 8:30 PM (continued loss of fluid as before). Circulate clean. Pull out of hole (free). Lay down MWD tools at midnight. MW 8.7 Vis 42 WL 8.8
January 29, 2000	Make up 6-1/4" bull nose hole opener and reaming assembly. Run in hole spot reaming to 3,048'. Circulate clean. Wipe hole to shoe (6-12K spot drag and swabbing). Circulate clean and condition mud. Pull out of hole (6-12K spot drag). Rig up Schlumberger and run AIT/DSN/CBL/BHC/GR from 3,039'-517', rig down Schlumberger. Run in hole to shoe. Wait on orders. Run in hole with and lay down HWDP at midnight. MW 8.9 Vis 47 WL 6.0
January 30, 2000	Finish laying down HWDP. Run in hole with open ended DP to 625'. Rig up HES and equalize 65 sx (70 cft) of "Premium" cement + 3% KCL + .3% CFR-3 + .3% Halad-344 + .15% Super CBL mixed at 16.4 PPG (1.07 cft/sk yield). Wait on cement (lay down excess DP). Run in hole to locate TOC to 625' (no plug). Rig up HES and equalize 65 sx (70 cft) of "Premium" cement + 3% KCL + .3% CFR-3 + .3% Halad-344 + .15% Super CBL mixed at 16.4 PPG (1.07 cft/sk yield). Wait on cement (clean mud pits and tear out mud cleaning equipment). Run in hole to locate TOC to 625' (no plug). Rig up HES and equalize 44 sx (68 cft) of "Light" cement + .25#/sk Flocele mixed at 13.6 PPG (1.54 cft/sk yield) followed by 30 sx (32 cft) of "Premium" cement + 3% KCL + .3% CFR-3 + .3% Halad-344 + .15% Super CBL mixed at 16.4 PPG (1.07 cft/sk yield). Load out MWD tools, HWDP, and mud cleaning equipment. Shut down and wait on cement overnight.
January 31, 2000	Run in hole and locate TOC at 467'. Lay down remaining DP. Remove rental 3-1/2" pipe rams from BOPE for return to Rio Vista, and release rig at 12:00 noon.

No surface plug.