

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	"Longview Fibre"	33-22-75
(Company or Operator)	(Lease)	(Well No.)
Sec. <u>22</u> T <u>7N</u> R <u>5W</u>	Surveyed Coordinates:	
SHL= <u>2,111.61' North and 1,851.79' West from the Southeast corner of Sec. 22</u>		
BHL= <u>231.7' South and 58.7' East of SHL at 3,011' (2,992.6' TVD)</u>		
Wildcat: <u>NA</u>	(or) Field Name: <u>Mist Gas</u>	County: <u>Columbia</u>
Signature:		
Date: <u>February 10, 1999</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

- 01-07-99      MIRU Taylor Drilling Rig #7 on 01-06-99 and finish rigging up on 01-07-99. Weld on conductor, take on fresh water, and mix spud mud. Jet out mousehole and rathole. Spud 9-7/8" hole at 8:30 PM. Drill to 85' at midnight.  
MW 8.5/63      Vis 50      WL NC
  
- 01-08-99      Drill from 85'-145'. Pull out of hole. Change bit (#2). Run in hole. Drill to 277' (rotary table chain broke). Pull out of hole. Repair rotary table chain. Run in hole to 277'. Drill to 495' (lost circulation). Build volume and mix LCM. Drill to 521' with partial fluid returns. Build volume and mix LCM at midnight.  
MW 8.7/65      Vis 60      WL NC
  
- 01-09-99      Pull out of hole. Build pit volume and mix LCM. Run in hole. Circulate clean. Pull out of hole. Rig up tongs and run 12 joints (523.18") of 7" 20# J-55 ST&C casing equipped with float shoe and 3 centralizers. Rig up BJ cement head and circulate casing. Cement casing shoe at 521' as follows: pump 10 BBLs water ahead, mix and pump 70 sx (23.5 BBLs) Type III cement + 3% SMS + .75% CD-32 + 1% CaCl2 + .25#/sk Celloflake followed by 75 sx (20.5 BBLs) Type III cement + 3% SMS + .75% CD-32 + .25#/sk Celloflake, drop plug and displace to shoe with 21 BBLs water, bumped plug (float held), CIP at 11:59 AM with poor returns (no cement returns to surface). WOC. Run 1" pipe down 9-7/8" X 7" annulus to 120' and equalize 35 sx (12 BBLs) cement to fill to surface. WOC. Cut off conductor and casing. Weld on 7" SOW X 7-1/16" 3M casing head and test welds to 1200 PSI-OK. Nipple up BOPE at midnight.  
MW 8.7/65      Vis 60      WL NC
  
- 01-10-99      Finish nipple up BOPE and test CSO rams to 1100 PSI-OK. Make up new bit (#3) and BHA. Run in hole to ~500'. Circulate clean. Test BOPE and related equipment to 750 PSI-OK (witnessed and approved by Dennis Olmstead-DOGAMI). Repair rig's centrifugal. Drill out cement and shoe. Drill 6-1/4" hole to 593'. Circulate and survey. Drill to 715' (slow loss of fluid to formation). Mix LCM and build volume. Drill to 808' at midnight.  
MW 8.7/65      Vis 39      WL 6.9
  
- 01-11-99      Circulate clean at 808'. Survey. Wipe hole to shoe. Drill to 968' (increasing loss of fluid to formation). Circulate, build volume, and mix LCM (unable to keep up with loss of fluid). Pull out of hole to shoe. Build volume, mix LCM, and fill hole from surface. Run in hole to 968'. Circulate LCM saturated mud with shakers bypassed (slight loss of fluid to formation initially then declining during course of circulation). Drill to 1,027' (no apparent loss of fluid to formation). Circulate clean. Survey. Drill to 1,180'. Circulate clean. Survey. Pull out of hole. Make up mud motor. Run in hole to 1,180'. Drill to 1,196'. Circulate and survey. Drill to 1,273'. Circulate and survey. Drill to 1,383'. Circulate and survey. Drill to 1,414'. Circulate clean. Wipe hole at midnight.  
MW 8.7/65      Vis 44      WL 6.9

**Enerfin Resources North**  
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**History of Oil or Gas Well**  
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- 01-12-99 Finish wiper trip. Drill to 1,445'. Circulate and survey. Drill to 1,507'. Circulate and survey. Drill to 1,570'. Circulate and survey. Drill to 1,631'. Wipe hole 6 stands (free). Circulate and survey. Drill to 1,725'. Circulate and survey. Drill to 1,818'. Circulate clean. Wipe hole 5 stands (free). Circulate and survey. Drill to 1,974'. Circulate and survey. Drill to 2,100'. Wipe hole 6 stands (free). Drill to 2,131'. Circulate and survey. Drill to 2,162' at midnight.  
MW 8.8/66 Vis 45 WL 6.0
- 01-13-99 Drill from 2,162'-2,319'. Circulate and survey. Drill to 2,382'. Wipe hole 6 stands (free). Drill to 2,505'. Circulate clean. Survey. Pull out of hole. Lay down mud motor, and make up new bit (#4) and BHA. Run in hole to 1,574'. Spot ream to 2,256'. Run in hole to 2,505'. Drill to 2,547' at midnight.  
MW 8.9/66 Vis 40 WL 6.4
- 01-14-99 Drill from 2,547'-2,559'. Wipe hole 5 stands (free). Drill to 2,621'. Circulate and survey. Drill to 2,664'. Circulate clean. Wipe hole 5 stands (free). Drill to 2,715'. Repair swivel packing leak. Drill to 2,770' at midnight.  
MW 9.0 Vis 40 WL 6.1
- 01-15-99 Drill from 2,770'-2,777'. Wipe hole 5 stands (free). Circulate for logger. Drill to 2,824' (lost circulation). Build pit volume and mix LCM. Pull out of hole 10 stands. Circulate and condition mud with LCM. Run in hole 5 stands. Circulate and condition mud. Run in hole to 2,824'. Circulate and condition mud. Drill to 3,011' TD at 4:15 PM (losing fluid to formation at ~15 BBLs/hr). Circulate clean. Survey. Pull out of hole to shoe. Repair lights in derrick. Run in hole to 3,011' (staged in hole). Circulate and condition mud (build volume and mix LCM) at midnight.  
MW 8.8/66 Vis 40 WL 5.9
- 01-16-99 Circulate and condition mud. Pull out of hole. Lay down monel and stabilizers. Rig up Schlumberger and run "Platform Express" consisting of AIT/DSN/CDI./BHC/GR from 3,003'-521', and Dipmeter from 2,998'-519', rig down Schlumberger. Run in hole to 3,011' (staged in hole). Circulate and condition mud. Pull out of hole laying down DP, HWDP, and DC's. Unload 2-7/8" casing and load truck with drilling tools to return to California. Measure casing. Rig up tongs and run 2-7/8" 6.5# J-55 EUE casing at midnight.  
MW 8.8/66 Vis 38 WL 6.0
- 01-17-99 Finish running 97 joints (3,005.63') of 2-7/8" 6.5# J-55 EUE casing equipped with self fill-up/float shoe, latch down plug seat in first collar and 26 centralizers. Rig up BJ cementers. Reciprocate casing and circulate clean. Cement casing shoe at 3,002' (latch down plug at 2,971') as follows: pump 20 BBLs mud flush ahead, mix and pump 185 sx (57 BBLs) of Type III cement + 5% KCL + 1% FL-62 + .3% CD-32 + 3% EC-1 + 3% BA-58, washout lines, drop plug, and displace to seat with 17.2 BBLs 2% KCL water, bumped plug (float held), CIP at 5:15 AM with good returns throughout job (calculated TOC at 1,187'). Set casing in slips as cemented. Nipple down BOPE. Cut off 2-7/8" casing. Install 7-1/16" 3M X 2-9/16" 3M production tree and suspend operations at 1:00 PM.
- 02-02-99 Test tree to 750 PSI-OK. Rig up Schlumberger Wireline Service (SWS) truck and run NDI./CBI./CCI. from 2,900'-1,000' (log showed excellent bonding throughout with TOC at 1,100'), rig down SWS. Rig up swab equipment and swab well to 1,000' in 4 runs, rig down swab. Rig up SWS, run in hole with 1-11/16" Enerjet thru tubing guns, correlate to open hole log and perforate 4 SPF ±45° off-center phased on two planes from 2,753'-2,770' and from 2,714'-2,734' in 4 runs, rig down SWS (0 SICP). Secure rig and shut well in for night.
- 02-03-99 Open well (0 SICP). Rig up swab equipment, run in hole with swab (fluid level at ~750), and swab well to 1,250' in 2 runs (well began to flow). Flow well to pits to unload fluid. Shut well in. Rig down swab equipment. Install SPDR pressure recorder, gauge, and methanol pump. Open well (612 SICP). Put well to flare stack at various choke sizes (choke freezing up and fluid/misting slugging at larger choke sizes). Shut well in and work on methanol pump setup (650 SICP). Put well to flare stack on 32/64ths choke and flow to clean up with a final rate of 3976 MCFD with 620 FTP. Shut well in (665 SICP after 15 minutes).
- 02-04-99 Open well (665 SICP). Take gas sample for analysis (458.7 BTU). Put well to flare stack for 3 point test and flow as follows: 979 MCFD rate with 650 FCP on 16/64ths adjustable choke, 535 MCFD rate with 652 FCP on 12/64ths adjustable choke, and 233 MCFD rate with 656 FCP on 8/64ths adjustable choke. Shut well in for 1-1/2 hour build up (663 SICP). Put well to flare stack for 48 hour flow test on 24/64ths adjustable choke with an initial rate of 2234 MCFD and 642 FCP.
- 02-05-99 Continue 48 hour flow test on 24/64ths adjustable choke with a rate of 2217 MCFD and 637 FCP after 24 hours flowing.
- 02-06-99 Finish 48 hour flow test on 24/64ths adjustable choke with a final rate of 2203 MCFD and 633 FCP. Shut well in (659 SICP after 1 hour).