				DERTN	ST 1ENT OF GE	TATE OF OF COLOGY AN		RAL INDUS	i KIES			
					800 NE Oregon St #28			Portland, OR 97201				
				(In comp	HISTOR'	Y OF OIL O			520)			
Enerfin Resources Northwest						"C.C."				22B-19-65		
	(Company or Operator)				(Lease					(Well No.)		
Sec.	19	т	6N	R	5W	Surveyed	Coordinate	es:				
SHL=	1,823' Sout	h and 1,2	14' East fror	n the Nortl	west corner	of Section 1	9					
BHL=	-											
Wildcat:	NA	_	(or) Fie	ld Name:	Mist Gas				County:	Columbia		
	<u> </u>				Sig	inature:	1	1-/-	<u>~</u>			
Date:	January 30,	1998	_			F	Position:	Operations	Manager			
uhmitted) Please sub	mit a com	nlete history	of the wel	l. Include suc	ch informati	on as bit si	zes, mud w	eights, casi	of this form must also be coing sizes and depths set, among operations. Do not include	ount of cement	
Septembe	r 15, 1997	ins	tall BOPE.	Rig up flo	or. Secure ri	g and CWIF	N.			c condition. Remove produ		
Septembe	r 16, 1997	Tes tree	Test BOPE to 500 PSI-OK. Pull hangar and pull out of hole laying down tubing. Nipple down BOPE and install production tree. Rig down and move equipment off location.									
Septembe	r 19, 1997	Rig fro	g up B.J. Cer m 2,878'-su	nenters. M rface (witn	lix and pump essed and ap	108 sx (259 proved by E	eft) of Ty Dan Werm	pe "III" cer iel-DOGAN	nent + 2% MI). Rig d	Sodium Metasilicate to fill own B.J. Cementers.	4-1/2" casing	
					S	TATE OF O	REGON					
				DEPART	MENT OF GI	EOLOGY AI	ND MINE	RAL INDU	STRIES			

"C.C."

(Lease)

Portland, OR. 97232

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

Clatskanie, OR. 97016-1358 Phone (503) 755-2010 (503) 755-2030 (Company or Operator) Sec. 19 . T 6N , R 5W Surveyed Coordinates (if directional, BHL & SHL): 1,823' South and 1,214' East from the

800 NE Oregon St. #28

(Well No.)

<u>#22B-19-65</u>

Northwest corner of Sec. 19 Wildcat: NA (or) Field Name: Mist Gas

Enerfin Resources Northwest

P.O. Box 1358

CWIFN.

MIRU Taylor work-over rig. Rig up swab equipment and run in hole with swab (fluid level at ± 800). Swab well to

2,878'-2,890'. Rig down CWS (0 SITP/20 SICP).

800 NE OREGON ST. #28

CWIFN (0 SITP/260 SICP).

August 19, 1996

Date

and close well in for night (CWIFN). Open well (18 SITP/18 SICP). Run in hole with swab and locate fluid level at ±900'. Rig up pump and circulate August 20, 1996 well to static condition. Nipple down tree and install BOPE. Change pipe rams to 2.375". Function test blind rams and pressure test pipe rams and hydril to 500 PSI-OK (witnessed and approved by Dan Wermiel - DOGAMI). Pull

August 21, 1996

Open well. Circulate clean. Mix and equalize 20 sx (4 BBLs) cement plug. Pull out of hole to 2.226'. Reverse circulate twice tubing volume. Pressure well to 500 PSI and shut in. Secure rig. Open well. Pull out of hole measuring tubing. Make up 3-7/8" bit on 2 DC's and run in hole to 2,602' (TOC). Rig up power swivel and drill out cement to 2,900'. Circulate clean. Pull out of hole and lay down drilling assembly.

donut and run in hole to 2,937' (E.D.). Reverse circulate clean. Rig up cement unit to set plug. Secure rig and

±1.600' in 15 runs (recovered approximately 20 BBLs fluid). Could not swab fluid level below 1.600'. Secure rig

_ Position: <u>Field Operations Manager</u>

August 22, 1996

Run in hole with open ended tubing 11 STDs. Secure rig and CWIFN. Open well. Finish running in hole with production string consisting of 90 joints (2,820') of 2.375" 4.7# J-55 EUE

August 23, 1996

tubing and land on donut with tail at 2,829' KB. Nipple down BOPE and install tree. Rig up swab equipment and swab well to 1,800'. Release rig. Open well. Rig up Cogco Wireline Service (CWS) and run in hole with perforating gun (fluid level at 1,775').

September 10, 1996

MIRU Taylor swab rig. Open well (0 SITP/0 SICP). Rig up swab equipment and run in hole with swab (fluid level at 800'). Swab well to 2.150'. Secure rig and CWIFN (0 SITP/10 SICP).

Open well (0 SITP/360 SICP). Run in hole with swab (fluid level at 800'). Swab well to 2,000'. Secure rig and

Correlate to SWS open hole log of July 19, 1993 and perforate 6 SPF ±60° off center phased on 2 planes from

September 22, 1996

Sec 19

Wildcat:

frm NW Cor. Sec. 19

include lithology.

T 6N, R 5W,

MW 9.0 #/gal

MW 9.0 #/gal

565': 0°45' N77W

September 20, 1996

Surveyed Coordinates (if directional, BHL & SHL): SHL: 1823'S & 1214'E

PORTLAND, OR. 97232

(In compliance with rules and regulations pursuant to ORS 520) Operator Nahama & Weagant Energy Co. Lease Well No. 22B-19-65

HISTORY OF OIL OR GAS WELL

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

(or) Field Name: Mist County Columbia County Signature

Trent R. Rosenlieb Position: Vice President Operations 4700 Stockdale Hwy Ste 110 Bakersfield, Ca. 93309 Date: 11/4/93 (Address)

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

1993 07/13 481' MW 9.0 #/gal Vis 37 pΗ MIRU Taylor Rig #7. Spud 12 1/4" hole @ 3:00 PM 7/12/93. Drill to 481' @ 6:00 AM.

07/14 507'

12 jts. of 8 5/8", 24#, J-55, ST&C csg. with shoe @ 506'. Cement csg. as follows: 125 sx. Premium cement + 8% Gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂ followed by 100 sx. Premium cement + .25#/sx Flocele + 3% CaCl₂. CIP @ 3:15 PM 7/13/93. Cement returns to surface. WOC. Cut off conductor and weld on csg. head. Test to 1500 psi - OK. Install BOPE @ 6:00 AM. 07/15 1053'

Finish installing BOPE. Test to 1200 psi - OK. MU bit and BHA. RIH to 465'. Circulate clean. Test BOPE to 800 psi - OK. Witnessed and approved by D. Olmstead - DOGAMI. Drill out shoe. Drill 7 7/8" hole from 507'-565'. Circu-

pΗ Drill from 481'-507'. Circulate and wipe hole to surface. POOH. RU and run

pH 8.0

late and survey. Drill from 565'-838'. Circulate and wipe hole to shoe. Circulate for logger. Drill from 838'-1053'. Circulate @ 6:00 AM.

07/16 1881' MW 9.2 #/gal Vis 40 pH 7.0

Vis 37

Vis 40

1053': 1°15' S30W 1482': 1°45' S35W

Wipe hole from 1053' to shoe. Circulate and survey. Drill to 1207'. Circulate and wipe hole to 847'. Drill from 1207'-1327'. Circulate and survey. Wipe hole to 1000'. Circulate for loggers. Drill from 1327'-1699'. Circulate and wipe hole to 1390'. Ream from 1689'-1699'. Drill from 1699'-1801' @ 6:00 AM.

Drill from 1801'-1947'. Circulate and survey. Wipe hole to 1527'. Drill from

pH 7.0

pH 7.0

pH 7.0

pH 7.0

07/18 2746'

07/17 2150'

1947': 3°S45W 2150': 2.8°S40W

MW 9.5 #/gal

MW 9.4 #/gal

2787': 45.5°N73E

1947'-2150'. Circulate and wipe hole to shoe. Circulate clean and POOH. Change bit. RIH to 1976'. RU wireline survey @ 6:00 AM.

Vis 50

MW 9.5 #/gal Vis 41

2260': 10.11°N88.82E 2323': 13.6°S85E 2417': 18.9°S80.5E

2479': 23.3°S85.3E 2601': 31.8°N78.2E 2663': 34.6°N76E Finish rigging up wireline survey unit. Directionally drill and survey with mud motor from 2142'-2746' @ 6:00 AM.

Vis 48

Vis 42

Directionally drill and survey with mud motor from 2746'-2825'. Circulate clean. POOH. Rig down wireline survey unit. MU new BHA. RIH. Lay down excess DP. RIH to 2152'. Circulate clean. Ream to 2797' @ 6:00 AM.

07/20 2940' TD MW 9.6 #/gal

07/21 2940' TD

07/19 2825'

2859': 45.5°N73E 2940': 49°N73E Ream from 2797'-2825'. Circulate clean. Drill from 2825'-2888'. Circulate for

logger. Drill from 2888'-2940' TD @ 1:30 PM 7/19/93. Circulate and wipe hole to shoe. Circulate and survey. POOH. RU loggers and run DIL-Cal from 2934'-506'. Rig down loggers. MU new BHA. RIH to 2940'. Circulate and wipe hole to 2140'. Circulate clean. POOH laying down DP @ 6:00 AM.

POOH. Lay down DP, HW & DC's. RU and run 70 jts 10.5#, J-55, ST&C 4 1/2" csg with shoe @ 2939'. Cement casing as follows: 150 sx. Premium cement

+ 6% Gel followed by 100 sx. Premium cement + 2% KCL + 2% Microbond + 1% Gasban. CIP @ 4:55 PM on 7/20/93. Calculated TOC @ 1200'. Remove BOPE. Cut off and dress csg. Install tbg. head & test to 1000 psi - OK. Clean mud pits. Release rig @ 4:00 AM 7/21/93. COMPLETION HISTORY

08/04 RU loggers and run Neutron-CBL-CCL from 2920'-1400'.

08/26 RIH w/tbg. to 2930'. RU power swivel. Clean out to 2937'. Change hole over to lease water. POOH. Remove bit. RIH and land donut with tbg. tail @ 2739'.

08/25 MIRU Taylor completion rig. Measure tbg. MU 3 7/8" bit on tbg.

Install tree. Swab well to 1300'. RU perforators. Perforate 6-JHPF from 2934'-2935' thru tbg. guns 45° phased. Rig down perforators. Open well. Shut in well. SDFN.

08/27 Open well. RU swab. Swab well. Flow well for cleanup. RU perforators. Perforate 6-JHPF from 2878'-2934' thru tbg. guns 45° phased. Rig down perforators. Flow test well. Release rig.