

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 *HNR* Well No. 24-22-64
Sec 22 T 6N, R 4W, Surveyed Coordinates (if directional, BHL & SHL): BHL: 2209' E & 384' N
from SW corner of Section 22
Wildcat: (or) Field Name: Mist County Columbia County

Signature

Trent R. Rosenlieb

Trent R. Rosenlieb

Date: 12/15/93 Position: Vice President Operations 4700 Stockdale Hwy Ste 110 Bakersfield, Ca. 93309
(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 include lithology.

1993

10/14

489'

MW: 8.6 #/gal Vis 40 pH

MIRU Taylor rig #7. Spud 12 1/4" hole @ 2:15 PM 10/13/93. Drill to 489'. Losing fluid. Circulate @ reduce pump rate, build vol. & mix gel & LCM @ 6:00 AM.

10/15

505'

505': .5°

MW: 8.6 #/gal Vis 40 pH

POOH to conductor pipe. Build volume, mix gel & LCM, circulate @ reduce pump rate until receiving full returns. RIH to 489'. Drill to 505'. Circulate clean. Drop survey. POOH. RU and run 12 jts. 8 5/8", 24#, J-55, ST&C csg. with shoe @ 503'. Cement csg. as follows. Pump 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. No cement returns to surface. Run hose in 8 5/8" x 12 1/4" annulus to 50'. Pump 22 sx. Premium cement + 8% Gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂. WOC. Cement level fell to 60'+/-. Waiting on Halliburton @ 6:00 AM.

10/16 505'
MW: 8.6 #/gal Vis 40 pH
Run 2" hole in 8 5/8" x 12 1/4" annulus to 50'. Pump 20 sx. Premium cement + 8% Gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂. CIP. WOC. Cement level fell approx. 60'. Run 2" hose and pump 57 sx. cement. CIP. Cement level fell approx 60'. WOC. Run 2" hole as before & pump 28 sx. cement. CIP. WOC. Cut off conductor & csg. well on csg. head & test welds to 1500 psi. - OK. Install BOPE @ 6:00 AM

10/17 829'
MW: 8.8 #/gal Vis 55 pH
MU bit & BHA. RIH to 450'. Test BOPE to 1000 psi - OK. Witnessed and approved by D. Olmstead - DOGAMI. Drill out shoe. Circulate & condition mud. Drill to 624'. Lost circulation. POOH to shoe. Build volume & mix LCM. Fill hole and attempt to circulate. No success. POOH. Remove stabilizers. RIH to shoe. Build volume & mix LCM. RIH to 624'. Drill to 707' with little or no returns. POOH to shoe. Build volume & mix LCM. RIH to 707'. Drill to 829'. Little or no returns to surface. POOH. RIH with open ended DP to 805' @ 6:00 AM.

10/18 829'
MW: 8.4 #/gal Vis 62 pH 11.5
RU cementers & pump 60 sx. Premium cement + 8% gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂. CIP. POOH. WOC. Build volume & mix LCM. MU bit. RIH to 625'. Circulate down to 780'. No cement returns to surface. POOH. RIH with open ended DP to 774'. RU cementers & pump 60 sx. Premium cement. CIP. Cement returns to surface. POOH. WOC. MU bit. RIH to 547'. Attempt to circulate with no returns. POOH to 347'. Circulate with partial returns. RIH to 607' & tag cement. Lost circulation. POOH to shoe. Build volume, mix gel & LCM. RIH to 607'. Drill cement to 617'. POOH @ 6:00 AM.

10/19 1029'
MW: 8.9 #/gal Vis 42 pH 10.0
Finish POOH. Unplug jets. RIH to 617'. Drill cement to 647'. POOH. RIH with open ended DP to 622'. RU cementers & pump 60 sx. Premium cement + 4% Gel + 2#/sx. CalSeal + .25% Flocele + 3% CaCl₂. CIP. Cement returns to surface. POOH. WOC. MU bit & BHA. RIH to 318'. Circulate down to 540'. Drill cement to 829'. Drill to 968'. Lost circulation. POOH to shoe. Build volume, mix gel & LCM. RIH to 968'. Drill to 1029'. Slow steady loss of fluid to formation @ 6:00 AM.

10/20 1652'
1123': .75°
MW: 8.8 #/gal Vis 37 pH 9.5
Drill from 1029'-1123'. Slow loss of fluid to formation. Circulate &

survey. Drill from 1123'-1154'. Hole packing off. Circulate & condition mud. Wipe hole to 804'. Drill from 1154'-1185'. Hole packing off. Circulate & condition mud. Drill from 1185'-1278'. Circulate & POOH. Clean stabilizers, change jet nozzles. RIH to 1238'. Ream to 1278'. Circulate for logger. Drill from 1278'-1464'. Circulate & wipe hole to 1153'. Drill from 1464'-1652'. Circulate & survey @ 6:00 AM.

10/21 2365'
MW: 8.9 #/gal Vis 38 pH 7.0
Finish survey @ 1652', no good. Wipe hole to 1412'. Drill to 1683'. Circulate & survey, no good. Drill from 1683'-1808'. Circulate clean. Wipe hole to 1450'. Circulate for logger. Drill from 1808'-2089'. Packing off. Circulate & wipe hole to 1738'. Circulate for logger. Drill from 2089'-2182'. Circulate. Build volume & mix mud. Drill from 2182'-2242'. Circulate clean. Wipe hole to 1000'. Drill from 2242'-2365' @ 6:00 AM.

10/22 2553' TD
MW: 8.7 #/gal Vis 38 pH 7.0
2553': .75°
Drill from 2365'-2553' TD. Circulate clean. Wipe hole to shoe. Circulate & condition mud for survey. POOH. RU loggers. Run DIL-Sonic from 2541'-502', FMS from 2545'-1300'. Rig down loggers. RIH with open ended DP to 552'. RU cementers. Pump 73 sx. Premium cement + 3% CaCl₂. CIP. WOC @ 6:00 AM.

10/23 WOC. RIH to 682'. POOH to 620'. Set LCM plug. POOH to 557'. RU cementers. Pump 43 sx. Premium cement + 8% Gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂. CIP @ 3:10 PM 10/22/93. WOC. RIH tag cement @ 430'. Witnessed and approved by D. Wermiel - DOGAMI. Lay down DP. Set cement plug from 60'-surface. Remove BOPE. Cut off csg. head 5' below GL. Weld on plate. Clean mud pits. Release rig @ 6:00 AM 10/23/93.

survey. Drill from 1123'-1154'. Hole packing off. Circulate & condition mud. Wipe hole to 804'. Drill from 1154'-1185'. Hole packing off. Circulate & condition mud. Drill from 1185'-1278'. Circulate & POOH. Clean stabilizers, change jet nozzles. RIH to 1238'. Ream to 1278'. Circulate for logger. Drill from 1278'-1464'. Circulate & wipe hole to 1153'. Drill from 1464'-1652'. Circulate & survey @ 6:00 AM.

10/21

2365'

MW: 8.9 #/gal Vis 38 pH 7.0

Finish survey @ 1652', no good. Wipe hole to 1412'. Drill to 1683'. Circulate & survey, no good. Drill from 1683'-1808'. Circulate clean. Wipe hole to 1450'. Circulate for logger. Drill from 1808'-2089'. Packing off. Circulate & wipe hole to 1738'. Circulate for logger. Drill from 2089'-2182'. Circulate. Build volume & mix mud. Drill from 2182'-2242'. Circulate clean. Wipe hole to 1000'. Drill from 2242'-2365' @ 6:00 AM.

10/22

2553' TD

MW: 8.7 #/gal Vis 38 pH 7.0

2553': .75°

Drill from 2365'-2553' TD. Circulate clean. Wipe hole to shoe. Circulate & condition mud for survey. POOH. RU loggers. Run DIL-Sonic from 2541'-502', FMS from 2545'-1300'. Rig down loggers. RIH with open ended DP to 552'. RU cementers. Pump 73 sx. Premium cement + 3% CaCl₂. CIP. WOC @ 6:00 AM.

10/23

WOC. RIH to 682'. POOH to 620'. Set LCM plug. POOH to 557'. RU cementers. Pump 43 sx. Premium cement + 8% Gel + 10#/sx CalSeal + .25#/sx Flocele + 3% CaCl₂. CIP @ 3:10 PM 10/22/93. WOC. RIH tag cement @ 430'. Witnessed and approved by D. Wermiel - DOGAMI. Lay down DP. Set cement plug from 60'-surface. Remove BOPE. Cut off csg. head 5' below GL. Weld on plate. Clean mud pits. Release rig @ 6:00 AM 10/23/93.