

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 Wilson Well No. 11A-5-65
Sec 5 T 6N, R 5W, Surveyed Coordinates (if directional, BHL & SHL):
SHL: 274' S. & 1385' E. from NW corner of Sec. 5 BHL: 261.13'S, 361.69' W from SHL
Wildcat: Yes (or) Field Name: County Columbia

Signature *Robert J. Rosenbier*

Date: November 13, 1992 Position: Vice President Engineering 602 "H" Street Bakersfield, Ca. 93304
(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.

1992

10/13 135'
MW 8.5 #/gal Vis 44
507': 1°
MIRU Taylor Drilling rig #7. Spud 12 1/4" hole @ 12:01 AM on 10/13/92.
Drill from 25'-135' @ 6:00 AM.

10/14 507'
MW 8.9 #/gal Vis 47 pH 8.0
Drill from 135'-226'. Circulate clean. POOH. Inspect bit. RIH. Drill
from 226'-271'. Circulate clean. POOH change bit. RIH. Drill from
271'-507'. Circulate & survey. Wipe hole to surface. Ream from 200'-
300'. Circulate and condition mud for casing. POOH. RU casing tongs &
run casing @ 6:00 AM.

10/15 507'
MW 9.1 #/gal Vis 50 pH 8.0
Run 12 jts. 8 5/8", 24#, J-55 ST&C casing with shoe @ 505'. RU cement-
ers and circulate and reciprocate casing. Cement casing as follows: 125 sx.
Premium cement + 8% Gel + 3% CaCl₂ + 10 #/sx Calseal + .25 #/sx

Flocele followed by 100 sx. Premium cement + 3% CaCl₂ + .25 #/sx
Flocele. CIP @ 8:15 AM 10-14-92. Cement returns to surface. WOC.
Cut off conductor and casing. Weld on casing head. Test tp 1500 psi -
Ok. Install BOPE test to 1200 psi - Ok. MU bit & BHA. RIH. Circu-
late clean. Test BOPE, lines, manifold to 1000 psi - Ok, witnessed and
approved by DOGAMI. Drill cement @ 6:00 AM.

10/16 1308'
MW 9.3 #/gal Vis 48 pH 9.0
1123': 2°
Drill out cement & shoe. Drill 7 7/8" hole from 505'-844'. Circulate and
wipe hole to shoe. Drill from 844'-1090'. Circulate and wipe hole to shoe.
Drill from 1090'-1123'. Circulate and survey. Drill from 1123'-1246'.
Circulate and wipe hole to shoe. Drill from 1246'-1308' @ 6:00 AM.

10/17 1933'
MW 9.5 #/gal Vis 44 pH 8.5
1619': 2°25'
Drill from 1308'-1463'. Circulate and wipe hole to 1150'. Drill from 1463'-
1619'. Circulate and survey. Wipe hole to 1200'. Drill from 1619'-1807'.
Circulate and wipe hole to 1252'. Drill from 1807'-1933' @ 6:00 AM.

10/18 2367'
MW 9.4 #/gal Vis 45 pH 8.0
2008': 1°45'
Drill from 1933'-1940'. Circulate and POOH to 1320'. Wipe hole to 1000'.
Drill from 1940'-208'. Circulate and survey. POOH. Change bit. RIH
and circulate for loggers. Drill from 2008'-2212'. Circulate and wipe hole
to 1782'. Drill from 2212'-2367' @ 6:00 AM.

10/19 2718'
MW 9.6 #/gal Vis 40 pH 8.0
2429': 1°
Drill from 2367'-2429'. Circulate and survey. Wipe hole to 2100'. Drill
from 2429'-2592'. POOH to shoe. RIH and circulate for loggers. Drill
from 2592'-2718'. Repair rig rotary drive air line @ 6:00 AM.

10/20 2765' TD
MW 9.7 #/gal Vis 43 pH 8.0
2765': 1°
Drill from 2718'-2744'. Circulate for logger. Drill from 2744'-2756'.
Circulate clean. Wipe hole to 2450'. Drill from 2756'-2765' TD. Circulate
and survey. Wipe hole to 2150'. POOH for logs. RU loggers. Run DIL-
BHC-GR from 2754'-508' & SHDT from 2758'-1750'. Rig down loggers.
RIH with 4 1/2" DP open ended to 2580'. Circulate clean. RU cementers
@ 6:00 AM.

10/21 592' PB
MW 9.6 #/gal Vis 52 pH 12.0
Hang 4 1/2" DP open ended @ 2580'. Pump 30 sx Premium cement
calculated TOC @ 2480'. CIP @ 6:30 AM. Rig down cementers. POOH
to 711'. RU cementers and pump 60 sx. Premium cement + 3% CaCl₂
calculated TOC @ 511'. CIP @ 8:50 AM. WOC. MU bit & BHA. RIH
to 495' circulate down to 556'. Drill soft cement to 561'. Circulate and
condition mud. Drill cement to 576'. Circulate and condition mud.
POOH. RIH drill cement from 576'-592'. Circulate for orientation survey
@ 6:00 AM.

10/22 1276'
MW 9.5 #/gal Vis 45 pH 10.5
Survey and orient mud motor @ 592'. Drill from 592'-654'. Survey. Drill
from 716'-777'. Survey. Drill from 777'-839'. Survey. Drill from 839'-
902'. Survey. Drill from 902'-963'. Circulate and survey. POOH.
Change bit. RIH. Drill from 963'-1120'. Circulate and survey. Drill from
1120'-1276'. Circulate and survey. Wipe hole to shoe. Drilling @ 1276'
@ 6:00 AM.

10/23 1904'
MW 9.6 #/gal Vis 40 pH 10.0
Drill from 1276'-1437'. Circulate and survey. Wipe hole to 1000'. Circu-
late for logger. Drill from 1437'-1591'. Circulate and survey. Wipe hole
to 1250'. Circulate for logger. Drill from 1591'-1810'. Circulate and
survey. Wipe hole to 1500'. Circulate for logger. Drill from 1810'-1904'.
Circulate clean. POOH. Change bit. RIH @ 6:00 AM.

10/24 2458'
MW 9.6 #/gal Vis 44 pH 9.0
Finish RIH. Survey & orient mud motor @ 1904'. Drill from 1904'-1929'.
Circulate and survey. Drill from 1929'-1991'. Circulate and survey. Drill
from 1991'-2054'. Circulate and survey. Drill from 2054'-2085'. Circulate
and survey. Drill from 2085'-2117'. Circulate and survey. Drill from
2117'-2148'. Circulate and survey. Drill from 2148'-2178'. Circulate and
survey. Drill from 2178'-2240'. Circulate and survey. Drill from 2240'-
2365'. Circulate and survey. Drill from 2365'-2396'. Circulate and survey.
Drill from 2396'-2458'. Circulate and survey. POOH @ 6:00 AM.

10/25 2770' TD
MW 10.0 #/gal Vis 45 pH 8.5
POOH. Lay down mud motor. MU new BHA. RIH. Ream from 2113'-
2143' and 2238'-2458'. Drill from 2458'-2496'. Circulate clean. Wipe
hole to 2100'. Drill from 2496'-2770' TD @ 4:45 AM. Circulate and
survey. Wipe hole to shoe @ 6:00 AM.

10/26 Ream from 2640'-2710'. Circulate clean. POOH. RU loggers and run
DIL-BHC-GR from 2764'-509'. Rig down loggers. RIH with open ended
DP to 557'. RU cementers and pump 60 sx. Premium cement + 3% CaCl₂
. CIP @ 7:00 PM 10-25-92. WOC. RIH TOC @ 405'. Witnessed and
approved by DOGAMI. Lay down DP. RU cementers and pump cement
from 60'-surface. CIP @ 1:15 AM. Remove BOPE. Clean pits & rig
down mud cleaner @ 6:00 AM.

10/27 Finish removing BOPE. Clean mud pits. Cut off casing head & weld on
plate. Release rig @ 12:00 AM 10/26/92.

Directional Survey Attached