

MAY 17 1985

DEPT. OF GEOLOGY
& MINERAL INDUS

HISTORY OF OIL OR GAS WELL

(Submit in duplicate)

In compliance with rules and regulations adopted pursuant to ORS 520.095 (Chapter 667 OL 1953)

Operator Nahama & Weagant Energy Co. Field -----

Well No. JEWELL #1-23 , Sec. 23 , T. 5N R. 7W W.B. & M.

Signed *[Signature]*Date May 13, 1985 Title Consultant
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

1985

- 4-1 41' Repairing rig.
MW Spud Mud
MIRU Taylor Drilling Inc., Rig #5. Spud 12 1/4" hole at 10 pm, 3-31-85. Drilled to 41'. Shut down to repair rotary clutch.
- 4-2 54' Drilling 12 1/4" hole with Bit #2.
MW Spud Mud
- 4-3 351' Tripping for Bit #3.
MW 67 Vis 50 WL 8.2 pH 10.0 salinity 350 ppm
- 4-4 481' Drilling 12 1/4" hole with Bit #3
MW 68 Vis 44 WL 8.4 pH 10.0 salinity 350 ppm
Survey: 2°0' @ 323'
- 4-5 497' Installing BOPE
MW 70 Vis 47 WL 7.8 pH 10.0 salinity 350 ppm
Survey: 1°45' @ 497'
Ran 13 jts(499.62') 8 5/8" 24# K-55 ST&C casing with open guide shoe at 495' and insert float valve at 457'. Cemented with 300 cf API 'G' cement with 3% CaCl₂. Displaced with 164 cf H₂O. CIP at 3:20 pm. Had 30²cf cement returns. WOC²6 hours. Cut off conductor & casing. Installed 9" 3M x 8 5/8" casinghead. Tested welds to 1200 psi, OK.

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Nahama & Weagant Energy Co.
DRILLING HISTORY
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- 4-6 620' Drilling 7 7/8" hole with Bit #5
MW 70 Vis 46 WL 9.0 pH 11.5 salinity 700 ppm
Nippled up BOPE. Tested blind rams to 1000 psi. R.I.H. to float valve. Tested pipe rams, Hydril, and surface lines, to 1000 psi. BOP test Witnessed and Approved by DOGAMI: Using Bit #4 (7 7/8"), drilled medium hard cement from float valve at 457' to shoe at 495'. Drilled to 559'. Tripped for Bit #5.
- 4-7 832' Drilling 7 7/8" hole.
MW 69 Vis 42 WL 7.5 pH 11.0 salinity 550 ppm
Survey: 1° 15' @ 680'
Tripped to remove stabilizers at 685'.
- 4-8 1077' Drilling 7 7/8" hole
MW 69 Vis 45 WL 6.8 pH 10.0 salinity 550 ppm
Wiper trip 848'-495'.
- 4-9 1223' Drilling 7 7/8" hole.
MW 69 Vis 43 WL 6.4 pH 10.2 salinity 550 ppm
Survey: 2°0' @ 1082'
Tripped for Bit #6 at 1082'.
- 4-10 1396' Drilling 7 7/8" hole
MW 70 Vis 44 WL 6.1 pH 10.0 salinity 500 ppm
Survey: 2° 30' @ 1226'.
Tripped for Bit #7 at 1226'.
- 4-11 1606' Drilling 7 7/8" hole
MW 70 Vis 46 WL 6.0 pH 10.0 salinity 500 ppm
- 4-12 1820' Drilling 7 7/8" hole
MW 70 Vis 45 WL 5.4 pH 10.2 salinity 500 ppm
Survey: 3°3' @ 1780'
Tripped for Bit #8 at 1720'.
- 4-13 2039' Drilling 7 7/8" hole
MW 70 Vis 46 WL 5.6 pH 10.0 salinity 500 ppm
- 4-14 2229' Drilling 7 7/8" hole
MW 72 Vis 45 WL 6.0 pH 10.0 salinity 500 ppm

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- 1985 DRILLING HISTORY (Cont'd)
- 4-15 2317' Drilling 7 7/8" hole
MW 73 Vis 46 WL 5.6 pH 10.0 salinity 500 ppm
Survey: 4°45' @ 2235'
Tripped for Bit #9 at 2235'. Tripped for Bit #10 at
2288'. Wiper trip 2312'-2000'.
- 4-16 2409' Drilling 7 7/8" hole
MW 73 Vis 44 WL 5.2 pH 10.2 salinity 500 ppm
Survey: 5°15' @ 2324'
Repaired rotary table bearings.
- 4-17 2561' Drilling 7 7/8" hole
MW 74 Vis 46 WL 5.4 pH 10.0 salinity 550 ppm
Wiper trip 2530'-2158'.
- 4-18 2685' Drilling 7 7/8" hole
MW 73 Vis 43 WL 6.0 pH 10.0 salinity 500 ppm
Survey: 5°30' @ 2569'
Tripped for Bit #11 at 2569'
- 4-19 2843' Drilling 7 7/8" hole
MW 73 Vis 44 WL 5.6 pH 10.0 salinity 400 ppm
Wiper trip 2805'-2500'.
- 4-20 2954' Drilling 7 7/8" hole
MW 73 Vis 41 WL 6.0 pH 10.0 salinity 600 ppm
Survey: 5°15' @ 2910'
Tripped for Bit #12 at 2910'.
- 4-21 3054' Drilling
MW 73 Vis 42 WL 6.2 pH 10.0 salinity 450 ppm
Wiper trip 3023'-2718'.
- 4-22 ~~3190'~~ P.O.O.H. to log
MW 73 Vis 43 WL 5.7 pH 10.5 salinity 500 ppm
Drilled to 3190' TD, circulated bottoms up. Wiped
hole to 1875' and conditioned mud for logs.

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1985 DRILLING HISTORY (Cont'd)

- 4-23 Plugged and Abandoned
Ran Schlumberger. DI-SFL/Sonic logs in tandem. Placed
94 sx API 'G' cement with 3% CaCl₂ through drill pipe
at 561'. CIP at 5:40 pm 4-22-85. WOC 8 hours. Lo-
cated top of cement at 305'. Placed 20 sx API 'G'
cement with 3% CaCl₂ at 60'. Filled to surface. Cut
casing off 5' below grade and welded steel plate on
stub. Released rig at 2:00 pm 4-23-85.