

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 American Quasar Petroleum Company Field Wildcat
Well No. Wilna Inc. et al 5-23 , Sec. 5 , T. 6N R. 4W W.B. & M.

Signed *John F. Works*
Title Division Drilling Engineer

Date January 19, 1981

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.

See Attached Chronological report of 12-20-80 thru 1-14-81.

- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon Wilna Prospect

12/20/80 FIRST REPRGT. Staked location 1964' FWL 5 1941' FSL NE1SW1/4 Sec. 5-T6N-R4W, Columbia Co. Oregon, Paul Graham Rig Number 1. RURT, set 20' 12" conductor @ 30' KB w/4 yds Ready-mix. GL elev. 1489.5', Rig KB 10.5; KB elev. 1500'. 12/21/80 RURT.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon Wilna Prospect

12/22/80 Shut down until after Christmas.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon Wilna Prospect

12/23/80 Shut down until after Christmas.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon Wilna Prospect

12/24/80 SD for Christmas.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

12/25/80. Shut down for Christmas.
12/26/80. Shut down for Christmas.
12/27/80. Shut down for Christmas.
12/28/80. Shut down for Christmas.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

12/29/80. Should spud today.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

12/30/80 1 day. Drlg @ 1022', drld 406' sd, cly & silt. MW 9.0; vis 5; WL 6; pH 9.0. TTH w/2" 74-750' s/n BE8500 in at 20'. Bit has drld 200' in 10 hrs. s/n BE8500 in at 20'. Bit has drld 200' in 10 hrs. Spudded well @ 2:00 pm 12/29/80. Drl'd to 38'. Lost circ. mixed LCM, regained circ. drld to 40'. Lost circ. mixed LCM, now drld & circ thru rat-hole.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

12/31/80 2 days. TD 516'. WOC. Drl'd 266' in 11 hrs. MW 9.0; vis 5; WL 10.0. Survey: 1° @ 516'. Drl'd to 516' w/communications in rat-hole. using vacuum truck to transfer mud from cellar to pit. PCH w/bit #1 @ 810'. Bit had drld 486' in 19 hrs. Dull grade: 4-4-0. RU csg tools, ran 14 jts. 7" 20# K55 STC, shoe & insert float, total of 522.42', set @ 515.42' HD. float at 475.53'. Cmt'd w/225 sx Class G, + 2# Calcium Chloride, PD @ 9:00 pm 12/30/80. Circ approx. 6 bbls cmt. now WOC.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/1/81 3 days. Drlg @ 1022', drld 406' sd, cly & silt. in 5 hrs. MW 9.0; vis 5; WL 6; pH 10. Survey: 2° @ 2731'. S/T Clark-Wilson sand 1940'. Pld bit #2 @ 2374'. Bit had drld 1337' in 14 hrs. Dull grade: 8-6-1. Ran bit #3 (61" Smith DTJ/s/n AR 8874) in at 1853'. Bit has drld 827' in 10 hrs. Drlg wt 7M#; RPM 90.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/2/81 4 days. Drlg @ 2680', drld 1658' in 18 hrs. MW 9; vis 4; WL 6, pH 10. Survey: 2° @ 1022'; 1-3/4" @ 2374'. S/T Clark-Wilson sand 1940'. Pld bit #2 @ 2374'. Bit had drld 1337' in 14 hrs. Dull grade: 8-6-1. Ran bit #3 (61" Smith DTJ/s/n AR 8874) in at 1853'. Bit has drld 827' in 10 hrs. Drlg wt 7M#; RPM 90.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/3/81 5 days. Drlg Basalt @ 2950', drld 270' in 16 hrs. MW 9; vis 4; WL 6; pH 10. Survey: 2° @ 2731'. Pld bit #3 (61" Smith DTJ) @ 2731', bit drld 878' in 13 hrs. Dull grade: 8-6-1. Ran bit #4, (61" Smith F2, s/n AV 8548) in @ 2731'. Bit has drld 219' in 13 hrs. Drlg wt 20M#; RPM 60.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/4/81 6 days. TCH w/bit #4 @ 3107'. Drl'd 157' of Basalt in 22 hrs. Now plg bit #4 @ 3107'. Bit drld a total of 276' in 24 hrs.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/5/81 7 days. Drlg sdy silt & volcanics @ 5435'. Drl'd 328' in 18-3/4 hrs. MW 9; vis 4; WL 6; pH 10. Survey: 2° @ 3107'. Pld bit #3 (61" Smith DTJ) @ 2731', bit drld 878' in 13 hrs. Dull grade: 8-6-1. Ran bit #4 (61" Smith F2, s/n AV 8548) in @ 3107'. Bit has drld 219' in 13 hrs. Drlg wt 20M#; RPM 60.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/6/81 8 days. Tpp for bit @ 3700'. Drl'd 257' of volcanics, silt & cly in 15 hrs. MW 9.2; vis 4; WL 6; pH 9. Survey: 2° @ 3107'. Pld bit #3 (61" Smith DTJ) @ 2731', bit drld 878' in 13 hrs. Dull grade: 8-6-1. Ran bit #4 (61" Smith F2, s/n AV 8548) in @ 3107'. Bit has drld 219' in 13 hrs. Dull grade: 8-6-1. Now tpp for bit.
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1/7/81 9 days. Drlg silt & cly & Basalt @ 3967'. Drl'd 235' in 16 hrs. MW 9.2; vis 4; WL 6; pH 10. Survey: 2° @ 3107'. Pld bit #3 (61" Smith DTJ) @ 2731', bit drld 878' in 13 hrs. Dull grade: 8-6-1. Ran bit #4 (61" Smith F2, s/n AV 8548) in @ 3107'. Bit has drld 219' in 13 hrs. Drlg wt 10M#; RPM 100.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/8/81 10 days. Drlg Basalt @ 4075'. Drl'd 108' in 12 hrs. MW 9.3; vis 4; WL 6; pH 10. Survey: 2° @ 3107'. Pld bit #3 (61" Smith DTJ) @ 2731', bit drld 878' in 13 hrs. Dull grade: 8-6-1. Ran bit #4 (61" Smith F2, s/n AV 8548) in @ 3107'. Bit has drld 219' in 13 hrs. Dull grade: 8-6-1. Ran bit #9 (61" Smith V20, s/n AL3057) in @ 4039', cut @ 4043', bit drld 4' in 3-3/4 hrs. Dull grade: 8-6-1. Ran bit #10 (61" Smith F5, s/n AL3092) in @ 4043', bit had drld 32' in 3-3/4 hrs. Drlg wt 22M#; RPM 60.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/9/81 11 days. Drlg volcanic tuff & Basalt @ 4330'. Drl'd 255' in 23-3/4 hrs. MW 9.3; vis 4; WL 6; pH 9. Bit #10 has drld 287' in 27 hrs. Drlg wt 20M#; RPM 60.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/10/81 12 days. TD 4503'. Drl'd 173' of Basalt & tuff in 13 hrs. Logging w/Schlumberger. Survey: 7° @ 4503'. Bit #10 was pld to top @ 4503'. bit drld 460' in 40 hrs. Dull grade: 8-6-1. Now logging. Ran Dual laterolog w/ SP & Sonic from 4503-514'. Ran Density from 1900-1900', now rmg Dipmeter from 4503-514'.
- WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

1/11/81 13 days. TD 4503'. WOC Plug back. Re-ran density from 1900-515'. Logged Top Clark & Wilson sd 1940', had sd from 1660-1680', 1700-1750'. RD Schlumberger, TTH open-ended to 2032', spot 50 sx Class G plug w/2# CaCl2, PCH, WOC. Will dress off top of plug & run 4" csg to 1800'. Now WOC.
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1/12/81 14 days. PBD 1808'. WOC, 4 1/2" csg. Fin WOC, TTH, dressed off plug to 1848', circ & cond hole, RU, ran 50 jts 4 1/2" 10.5#, K55, STC csg. w/guide shoe & insert float, total of 1972.30', set @ 1848' KB, insert float @ 1813.58'. Cmt'd w/175 sx of Class G, 2" CaCl2, plac down @ 12:00 midnite 1/11/81, had good return throughout job. now WOC.

WILNA INC. ET AL 5-23
AMERICAN QUASAR PETROLEUM Flev: 1900' FS
1964' FWL, 1941' FSL, NE1SW1/4 Sec. 5, T6N-R4W
Columbia County, Oregon Drig Contr: Paul Graham #1

WILNA ET AL 5-23
Columbia County, OR

1/12/81 - PBD 1808'. RD Petrolog, ran (RH from 1808-515, good bond to 900 feet, top sand 540'. RD Petrolog. RU Baker Model R profile pkr. TTH to 1990'. Attempt to set pkr, would not set. KD BOP, tree 00# & pkr set @ 200' & cleaned ring. PCH, 1D pkr, WIH open-ended. KD BOP, RU tree. RU flow to 1800'. Now swabbing well down, prep to perf.

1/14/81 - P&A. Swabbed FL down to 1700'. RU Petrolog, perf w/ 1 11/16" thru tbg gun. No press increase. RD Petrolog, swab well down to 1300'. no shows, no fluid entry. OK in 1 hr, no fluid entry. RU rig pump & had hole w/2" KCl. Break down perfs @ 200 psi. Pump 4 bbls @ 2 1/2 BPM, 600 psi. 151P 300 psi. Swabbed from 1400', rec 54 BW, 34 over load. No show of gas, FL standing @ 600'. Swabbing 10 BPM, could not swab down. Fluid contained 3300 ppm chl. Load wtr titrating 12,000 ppm chl. PCH, 1D tbo. Approved plugging procedures from Dennis Olmstead of State of Oregon, 1/13/81. Pumped 115 sx Class G w/2# CaCl2 down 4 1/2" csg. Pumped 60 sx down 2" x 4 1/2" annulus. Cement in place 1 AM 1/15/81. Cleaned puts & WOC. Released Rig 6 AM 1/15/81. Will move to Hickey 9-12. FINAL REPORT.

WILNA INC. ET AL 5-23 (4500' Eocene-WC) Columbia Co., Oregon

Est Cost: 1DC \$256,940
TDC \$ 6,735
JCC \$ 64,050
TCC \$ 13,570