

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 Co. Field Wildcat

Well No. Larkins #23-33, Sec. 23, T. 6N R. 5W W.B. & M.

Date September 2, 1980

Signed John F. Sindelar
Title Division Drlg. Supt.
(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.

Date

(See attached chronological report from 8/28-9/2/80.)

LARKINS #23-33
(3000' Eocene-WC)
Columbia Co., Oreg.
Mist Prosp.

8/28/80 FIRST REPORT: Staked loc. in NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 23-6N-5W. Elev: 697' GR. Drlg. contractor: Paul Graham Drlg. - Rig #1.

Day #1 - POH to run surf csg @ 520'. Drld. 490' of sh in 9 hrs. MW 8.7; visc 54; WL 10.5; pH 9.0.

Survey: $\frac{1}{2}^{\circ}$ @ 520'. Ran bit #RR1 (9-7/8" Smith DTJ - s/n AN4613) @ 30'. Pulled bit #RR1 @ 520'. Bit drld. 490' in 9 hrs. Prior to MIRT, set 20' of 12" conductor csg & cmt w/5 yds ready-mix. Spudded @ 8:00 PM on 8/27/80. Now POH.

LARKINS #23-33
(3,000' Eocene-WC)
Columbia Co., Oreg.
Mist Prosp.

8/29/80 2 days-TD 520'. NU BOPE. MW 8.9; vis 54; WL 10.5; pH 10.5. Fin. POH. RU & ran 14 jts. 7" 20# K-55 STC csg. float shoe & insert float-total 523.40'. Set at 518' KB. Float shoe at 480'. Cmtd. w/225 sx

Class "G" cmt. w/2%CaCl. PD at 10 pm on 8/28/80. Float held. WOC 12 hrs. Now NU BOP.

LARKINS 23-33
(3000' Eocene-WC)
Columbia Co., Oreg.
Mis' Prosp.

8/30/80 3 days - Drlg. in ss @ 1874'. Drld. 1354' in 18-1/2 hrs. Surveys: 2-3/4 $^{\circ}$ @ 1151'; 9 $^{\circ}$ @ 1514'; 8-3/4 $^{\circ}$ @ 1831'. Fin. NU BOPE; tested to 800 psi. Ran bit #2 (6-1/4" Smith DTJ - s/n AT2320) @ 520'. Bit has drld. 1354' in 18-1/2 hrs.

Had ss 1100-1290'--n.s. C&W sd smpl top: 1800'. Drlg. wt 8000#; RPM 90.

8/31 4 days - Circ. for logs @ 2940'. Drld. 1066' of ss, sh & salt in 20-3/4 hrs. Surveys: 8-1/4 $^{\circ}$ @ 2265'; 4 $^{\circ}$ @ 2780'. Pulled bit #2 @ 2018'. Bit drld. 1498' in 20-1/2 hrs. Dull grade 6-4-1. Ran bit #3 (6-1/4" Smith DTJ - s/n AT1423). Bit has drld. 922' in 18-3/4 hrs. Had C&W sd 1800-2130' w/30-unit max increase in BGG. Basalt: 2915'. Now circ. for logs.

9/1 5 days - TD 2940'. WOO. MW 9.6; visc 40; WL 6.8; pH 12.0. Survey: 2 $^{\circ}$ @ 2940'. Pulled bit #3 @ 2940'. Bit drld. 922' in 18-3/4 hrs. Dull grade 8-4-1. Circ. & cond. hole. POH. RU Welex. Ran DI Guard Log, Comp. Acoustic Log & Dipmeter 2920-518', CNFD 2400-518'. RD Welex. TIH. Now circ., WOO.

LARKINS 23-33
(3000' Eocene-WC)
Columbia Co., Oreg.
Mist Prosp.

9/2/80 6 days - TD 2940'. RDRT. Fin. WOO. RU Halliburton. Set Class "G" plugs as follows:
37 sx - 1915-1714'
37 sx - 1207-1006'
60 sx - 648- 351'

WOC 4 $\frac{1}{2}$ hrs. Tagged plug @ 435'. Will install 40-sk plug @ surf after RD. Rig released @ 4:00 AM 9/2/80. Now RDRT. Moving rig to Rau #18-14. (DROP FROM REPORT.)

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