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

Title Division Drlg. Supt.

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

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

8/28/80 FIRST REPORT: Staked loc. in NW 1/4 SE 1/4
of Sec. 23-6N-5W. Elev: 697’ GR. Drlg. contractor:
Paul Graham Drlg. - Rig #1.
Day #1 - POH to run surf csng @ 920’. Drld.
490’ of sh in 9 hrs. MW 8.7; visc 54; WL 10.5; pH 9.0.
Survey: 5° @ 520’. Ran bit #RR1 (9-7/8” Smith DTJ - s/n AN4613) @ 30’. Fullled bit #RR1 @ 520’. Bit drld. 490’ in 9 hrs. Prior to MIRT, set 20’ of 12” conductor csng & cmt w/5 yds ready-mix. Spudded @ 8:00 PM on 8/27/80. Now POH.

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

8/29/80 2 days - TD 520’. NU BOPE. MW 8.9;
visc 54; WL 10.5; pH 10.5. Fin. POH. RU &
ran 14 jts. 7” 20# K-55 STC csp. float
shoe & insert float total 523.50’. Set at
518’ KB. Float shoe at 480’ Crdt. w/225 sx
Class "C" cmt. w/2%CaCl. FD at 10 pm on 8/28/80. Float held. WOC
12 hrs. Now NU BOPE.

LARKINS 23-33 (3000’ Eocene-WC)
Columbia Co., Oreg.
Mist Prospl.

8/30/80 3 days - Drlg. in ss @ 1874’. Drld.
1354’ in 18-1/2 hrs. Surveys: 2-3/4’ @ 1151’;
9’ @ 1514’; 8-3/4’ @ 1831’. Fin. NU POPE;
tested to 800 psi. Ran bit #2 (6-1/4” Smith DTJ -
s/n AT2320) @ 320’. Bit has drld. 1354 in 18-1/2 hrs.
Had ss 1100-1200’-n.s.
C&W ed smp top; 1800’. Drlg. w/ 8000’s; RPA 90;
8/31 4 days - Circ. for logs @ 2940’. Drld.
1066’ of ss. sh & salt in 20-3/4 hrs. Surveys: 8-1/4’ @ 2263’; 4’ @ 2730’. 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. 1221’ in 18-3/4 hrs. Had C&W ed 1800-2130’ w/30-unit max increase in BGC. Basalt: 2013’. Now circ. for logs.
9/1 5 days - TD 2940’. WOC.
MW 9.6; visc 40; WL 6.8; pH 12.0. Survey; 2’ @ 2940’. Pulled bit: #3 @ 2940’. Bit drld. 922’ in 18-3/4 hrs. Dull grade 8-4-1. Circ. & cont. hole. POH.
RU Welex. Ran DI Guard Log, Comp. Acoustic Log & Dipmeter 28920-5161, CXFD 2400-3101. RD Welex. THI. Now circ., WOC.

LARKINS 23-33 (3000’ Eocene-WC)
Columbia Co., Oreg.
Mist Prospl.

9/2/80 6 days - TD 2940’. RDRT. Fin. WOC.
RU Halliburton. Set Class “G” plzgs as follows:
Columbia Co., Oreg.
Mist Prospl.
37 sx - 1915-1714’
37 sx - 1207-1006’
60 sx - 646-351’
WOC 45’ hrs. Tagged plug @ 435’. Will install 10-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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Operator American Quasar Petroleum Co. Field Wildcat
Well No. Larkins #23-33, Sec. 23, T. 6N, R. 5W, W.B. & M.

Signed

Title

Date September 2, 1980

(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 1/4 SE 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: k' = 520'. Run bit #RR1 (3-5/8'' Smith DTJ - s/n AN4613) @ 30'. Pulled out #RR1 @ 520'. Bit drld. 490' in 9 hrs. Prior to MRT, 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; visc 54; WL 10.5; pH 10.5. Fin. POH. Run & float ran 14 jts. 7'' 209 K-55 STG csg. Float shoe & insert float-total 523.40'. Set at 518' KB. Float shoe at 480'. Crt'd. w/225 sq ft 12 hrs. Now NU BOP.

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

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

8/30/80 3 days - Drlg. in ss @ 1874'. Drld. in 1354' in 18-1/2 hrs. Surveys: 2-3/4' @ 1151'; 9' @ 1514'; 8-3/4' @ 1831'. Fin. NU ROPE; tested to 800 psi. Run bit #2 (6-1/4'' Smith DTJ - s/n AT3230) @ 520'. Bit has drld. 1354' in 18-1/2 hrs. C&W sd smpl top 1800'. Drlg. wt 8000'; RPAl 90.

Had ss 1100-1200'--m.s. 4 days - Circ. for logs @ 2940'. Drld. in 8/31. 1066' of ss, sh & salt in 20-3/4 hrs. Surveys: 3-1/4' @ 2263'; 4' @ 2780'. Pulled bit #2 @ 2013'. Bit drld. 1498' in 20-1/2 hrs. Dull grade 6-4-1. Run bit #3 (6-1/4'' Smith DTJ - s/n AT1423). Has bit drld. 922' in 18-3/4 hrs. Had C&W sd 1800-2130' w/30-unit max increase in BGC. Raisal: 2015'. Now circ. for logs.

9/1/1 5 days - TD 2940'. WOC.

MW 9.6; visc 49; WL 6.6; pH 12.0. Survey: 2-3/4' @ 2940'. Pulled bit #3 @ 2940'. Bit drld. 222' in 18-3/4 hrs. Dull grade 8-4-1. Circ. & cond. hole. POH.


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

9/2/80 6 days - TD 2940'. RDRT. Fin. WOC.

RU Halliburton. Set Class "G" plugs as follows: 37 sx = 1915-1714'; 37 sx = 1207-1006'; 60 sx = 648-351'. WOC 48 hrs. Tagged plug @ 435'. Will install 10-sk plug & surf after RD. Rig released @ 4:00 AM 9/2/80. Now RDRT.

Moving rig to Rau #18-14. (DROP FROM REPORT.)