

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. Rau #18-14 (re-drill) , Sec. 18 , T. 6N , R. 4W W.B. & M.  
Date September 16, 1980  
Signed John F. Sindelar  
Title Div. 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.

(See attached chronological report from 9/3-16/80.)

RAU #18-14  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/3/80 FIRST REPORT: Staked loc. in SW<sub>4</sub> SW<sub>4</sub> of Sec. 18-6N-4W. Elev: 583' GR. Drlg. contractor: Paul Graham Drlg. - Rig #1. Set. 20' of 12" conductor. Cmt. w/5 $\frac{1}{2}$  yds. ready-mix. MI & RURT.  
Day #1 - Drlg. in sh @ 445'. Drl'd. 415' in 9 hrs. MW 8.9; visc 40; WL 10.5; pH 10.5. Ran bit #1 (3-7/8" Smith DT) - s/n AN4813 @ 30'. Bit has drld. 415' in 9 hrs. Lost 40 bbl mud @ 370'. Now drlg. w/full ret's. Spudded @ 9:00 PM on 9/2/80. Drlg. wt 8000#; RPM 90.

RAU 18-14  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/4/80 2 days - TD 515'. Drl'd. 70' in 1 hr. NU BOPE. MW 8.9; visc 40; WL 10.5; pH 10.5. Survey: 2° @ 515'. Fulled bit #1 @ 515'. Bit drld. 485' in 10 hrs. Dull grade 6-4-I. Circ. & cond. hole. RU & ran 14 jts 7" 20# K55 STC, float & shoe - total of 519.40' - set @ 515' KB; float @ 476'. Cmt. w/225 sx Class "G" w/2% CaCl. Circ. PD @ 1:15 PM on 9/3/80. WOC. Now NU BOPE.

RAU 18-14  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/5/80 3 days - Drlg. @ 1407'.

RAU 18-14  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/6/80 4 days - Drlg. @ 2327'. Drl'd. 920' in 19 hrs. Survey: 11° @ 2208'.  
9/7 5 days - TD 2434'. Drl'd. 107' in 2 $\frac{1}{2}$  hrs. WOC plugs. Ran DIL-SFL, CNFD, EHC & Dipmeter 2434-515'. RD Schlumberger. Now WOC.  
9/8 6 days - FBTD 510'. WOC.

RAU 18-14 (Re-Drill)  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/9/80 7 days - Dyna-drilling @ 785'.

RAU 18-14 (Re-Drill)  
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Columbia Co., Oreg.  
Mist Prosp.  
9/10/80 8 days - Drlg. @ 1302'. Drl'd. 517' in 14-3/4 hrs.

RAU #18-14 (Re-Drill)  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/11/80 9 days-TD 1530'. Prep. to PB to 1000'. Surveys: 21°N.80°E. at 1323'; 19°S. 70°E. at 1367'; 13°N.82°E. at 1438'. Could not gain angle or direction required to hit target. Now prep. to PB.

RAU #18-14 (Re-Drill)  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/12/80 10 days-TD 986'. WOC. Prep. to dress plug.

RAU 18-14 (Re-Drill)  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/13/80 11 days - Drlg. @ 1293'. Drl'd. 295' in 8 $\frac{1}{2}$  hrs.  
9/14 12 days - Drlg. @ 2111'. Drl'd. 818' in 18 $\frac{1}{2}$  hrs.  
9/15 13 days - TD 2440'. Drl'd. 329'. Logging.

RAU 18-14 (Re-Drill)  
(3000' Eocene-WC)  
Columbia Co., Oreg.  
Mist Prosp.  
9/16/80 14 days - TD 2440'. RDRT. MW 9.7; visc 40; WL 5.8; pH 10.5. Fin. logging. Set Class "G" plugs as follows:  
37 sx - 1800-1598'  
37 sx - 1350-1148'  
60 sx - 713- 409'  
Will set 10-sk plug @ surf.  
Released rig @ 2:00 AM 9/16/80. Now RDRT.  
(DROP FROM REPORT.)

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