

IHS Energy News on Demand

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Company: EOG RES
Title: Details reported on horizontal Mowry discovery in Powder River Basin

EOG Resources Inc has reported the completion of a horizontal Mowry shale oil discovery on the eastern flank of the Powder River Basin about 18 miles east-northeast of Wright, Wyoming.

The 1-16H Trans Am, (API 49-005-59517) se sw 16-45n-69w, southeastern Campbell County, initially produced 20 bbls of oil, 30,000 cu ft of gas and 325 bbls of water daily. Production is from a horizontal lateral in Mowry extending from 8661 ft north-northwestward to a measured total depth of 12,675 ft at a bottom-hole location in nw nw of the same section. Fourteen of 15 stages in the lateral between 8674 and 12,503 ft were fracture stimulated. True vertical total depth is 8419 ft. Log tops in the pilot hole include Mowry at 8330 ft and Muddy at 8486 ft, measured from a Kelly bushing elevation of 4778 ft.

The discovery went online in July 2009 and produced 1,175 bbls of oil with 761,000 cu ft of gas in 12 days, an average of 98 bbls of oil and 63,000 cu ft of gas daily. Between July 2009 and January 2010, the well produced 6,436 bbls of oil, 14.2 million cu ft of gas and 1,953 bbls of water.

The 1-16H Trans Am is in a previously non-producing township more than three miles east-northeast of a Muddy oil producer on the eastern edge of Hilight field.

Six miles to the south-southeast, Denver-based Baytex Energy USA Ltd, a unit of the Calgary-based Baytex Energy Trust, recently reported first production from a horizontal Mowry shale prospect the 3H Wild West Unit in sw se 15-44n-69w. The latter well produced 938 bbls of oil and 1,500 bbls of water from Mowry during an undisclosed number of days in November 2009, its first month of reported production, according to state records. It was horizontally drilled southward to a bottom-hole location in sw se 22-44n-69w. Measured total depth was anticipated at 12,788 ft; true vertical total depth was expected at 8407 ft. Baytex has released no completion details.

EOG, meanwhile, has renewed plans to drill two other horizontal Mowry prospects in the vicinity. About a mile and a quarter to northeast of the 1-16H Trans Am, the operator will drill its 02-09H Keeline Ranch, se se 9-45n-69w, to measured depth of 12,529 ft (true vertical depth: 8436 ft) in a lateral extending to the nw ne of the section.

Half a mile further to the east is the company's 01-10H Grand Prix, se sw 10-45n-69w, a proposed 12,081-ft venture designed with a bottom-hole to the north-northwest in the nw nw of the section. True vertical depth is estimated at 8468 ft. No activity has been reported at either site.