

DAILY DRILLING REPORT

WELL: BAUMGARTNER USA #1

LOCATION: NW NE Sec. 19-T8S-R38E, Roosevelt Co., New Mexico

ELEVATION: 4005' Gnd. KB 4013' Est. KB 4014'

CONTRACTOR: Verna Drilling Company

OPERATOR: Baumgartner Oil Company

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- 7/7/69 Waiting on roads to dry. Will move in today or tomorrow.
- 7/8/69 Will move in Verna Drilling Company rig and spud late today.
- 7/9/69 TD 325'. WOC. Spudded w/12-1/4" bit @ 6 PM 7/8/69. Drilled to 325'. Ran 5 jts. 8-5/8" 20# csg. Landed @ 325' & cmt. w/200 sx. cmt. plus 4% gel & 2% CaCl. Circ. cmt. Plug down @ 1 AM 6/9/69. Dev. 3/4° @ 325'. KB to gnd. 8.90'.
- 7/10/69 TD 1210'. Making trip for new bit. Hole Dev. 3/4° @ 835'. Native mud vis. 32 sec., started drilling cement 1:00 p.m. 7/9/69.
- 7/11/69 TD 2510'. Drlg. ahead in anhydrite and salt. Dev.: 1/2° @ 1209', 3/4° @ 1725', 3/4° @ 2200'. Mud: vis. 33, Wt. 9.4, Added 20 bbl. oil to mud.
- 7/12-69 TD 3538'. Drlg. in anhydrite and salt. Dev.: 3/4° @ 2525'. Mud: vis. 34, 9.8#.
- 7/13-69 TD 4000'. Sandy lime. Dev.: 1-1/2° @ 3953'. Mud: vis. 33, 9.8#. Estimated top of lime 3914'.
- 7/14/69 TD 4252'. Mud: vis. 33, 9.8#. Made trip for bit #7 @ 4252'.
- 7/15/69 TD 4478' in Lime. Making trip for bit #8. Dev.: 1-1/4° @ 4252'. Mud: vis. 38, 10.2#, WL 14 cc/30 min.
- 7/16/69 Depth 4650'. Making trip for bit #9. Formation is lime. No deviations. Mud: vis. 38, 10.5#, wtr. loss 10. Added 3 sx. paper, 2 sx. preservative & 5 sx. starch. Added 10 BO/24 hrs.
- 7/17/69 Drlg. @ 4710'. TD will be 4775', then will log. Made trip @ 4695'. Got to bottom with bit #10 this AM. Formation is lime. Mud: vis. 38, 10.5#, WL 8. Mixed 20 sx. starch, 3 sx. paper and 8 BO.
- 7/18/69 TD 4775'. Circulating & preparing to run pipe.

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Baumgartner USA #1 - Roosevelt Co., New Mexico

- July 19 Ran 154 joints 5 1/2" 14# casing (new). Landed at 4775'. Cemented with 125 sx 2% jell and 10% salt. Plug down at 11:20 p.m. of 7/18. Cut off casing at ground level. Released rig 12:20 a.m. of 7/19.
- July 20 Moved off rotary rig.
- July 21 Moved in Clarke Well Service. Hauled in swab tank and hauled in tbh and surface fittings. Ran tubing. Checked plug back depth at 4765' and perf. with 2 shots per foot at selected intervals from 4684' to 4706' with 16 shots. Perf. 4632' to 4681' with 22 shots. 4592' to 4632' with 12 shots. Shut down for the night.
- July 22 Ran tbh. with pkr. and spotted 1000 gals. of acid over perf, raised pkr. and set at 4555' and acidized with a total of 5,000 gals 15% Hcl with inhibitors. Emulsion breaker added. Injected 75 ball sealers spaced in acid. Injected at 4 1/2 bbls/min with 1600# initial pressure increasing to 2100# at the end of the treatment. Shut in 30 min. Surface pressure 850#. Released pressure. Flowed back 50 bbls. of acid water in the first hour and the well died. Ran swab 6 times - 1st run, fluid level at the surface 2650, 2nd run - 3650, 3rd run - 4100, 4th run - no fluid, 5th run - waited 20 min. and had 150' of build up.
- July 23 6th run - after 1/2 hr. had 400' of build up and good gas flow. 7th run - no fluid, good gas flow. 9th run - gas. 7:40 p.m. - blowing gas. Lit a flare and the flare was 20' long and 10' high. Estimate about 300,000 cu. ft. per day. Shut in 8:00 p.m. 1450# psi. Swabbed about 16 bbls load water, getting good gas flow right after we pull swab. Swabbing from below packer. Have to kill the well and go in and perf. the lower zone.
- July 25 Perf. 4734-54' & 4760-62' w/2 shots/ft. Set production retainer @ 4742'. Acidized w/5,000 gals. @ 8 BPM injection rate w/average injection pressure 3500#. Used 66 balls w/good action. Pressure bled down to zero. First swab: rec. 20 BLW in 20 min. 15% new oil. Well commenced flowing. Have 120 BLW to rec. Report from George @ 5 PM: 12:15-2:30, flowed 30 BLW & 2 BO. 2:30-3:30, swabbed 10 BLW & 3-1/2 BO. 3:30-4, swabbed 6 BLW & 4 -1/2 BO. Oil content, 43%. Fluid level between 1500' & 1800' from surface. 4:45 - flowed all oil for 5 or 6 min. Total of 143 bbls. acid & load water. 97 bbls. to recover.

July 26 Shutting tbg. in. 400# pressure. Opened well. Flowed 8-1/2 BO in 40 min. then died. 1:00-4:00 - swabbed & flowed 3.3 BO/hr.

July 27 200# pressure on tbg. Opened well. Bled off pressure, didn't flow. As of 8 AM in the process of getting & setting up pumping unit and well hooked up to production by Tuesday evening.

July 28 110# pressure on tbg. Bled off in 15 seconds. Now running bottom hole pump & rods & making tank batteries hook up. Will have tank batteries & pumping unit installed by Tues. evening.

July 29 - August 3 Moving in equipment and connecting for production.

August 4 Producing @ rate of 100 BOPD.

August 12 Prod. 12 hrs. 140 BO. Flaring gas. Pumper thinks well will make 280 BOPD. 450# pressure. 95% oil, 5% wtr. & diminishing. will sell load of oil today. 1000 bbls.