

WELL: GOVERNMENT JACKSON NO. 2-18 (1750' F/NL and
1750' F/EL of Sec. 18 - T31N - R12W, N. M. P. M.)

FIELD: Undesignated Dakota

COUNTY: San Juan STATE: New Mexico

SPUD DATE: 7/12/60

ELEVATIONS: 5874' GD
5886' KB

7/12/60

Total Depth 105'. Spudded in at 4:00 a.m. Deviation 0 degrees at 90'.

7/13/60

WOC. Total Depth 600'. Drilled 495' with Bit No. 1. Drilled 187' of 13-3/4" hole. Ran 6 joints (172') of 9-5/8" surface casing set at 184' K.B. Cemented with 225 sacks regular 2% CaCl₂. Plug down 10:15 a.m. Using water. Deviation 1/2 degree at 500'.

7/14/60

Drilling at 2045' with Bit No. 4. Using water. Drilled 1445', shale and sand. Deviation 1 degree at 1700'.

7/15/60

Drilling at 2580' with Bit No. 5. Drilled 535', shale and sand. Mud 9 - 40. Deviation 1-1/2 degree at 2450'.

7/16/60

Drilling at 3110' with Bit No. 6. Drilled 630', shale and sand. Mud 9.2 - 50 - 12.8 - 3% oil. Deviation 1-1/4 degrees at 2600'.

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7/17/60

Drilling at 3500' with Bit No. 7. Drilled 390', shale and sand. Mud 9.1 - 60. Deviation 1-1/4 degree at 3200'.

7/18/60

Drilling at 3805' with Bit No. 9. Drilled 305', shale and sand. Mud 9.3 - 60.

7/19/60

Drilling at 4,005' with Bit No. 11. Drilled 200', sand and shale. Mud 9.2 - 58.

7/20/60

Drilling at 4175' with Bit No. 13. Drilled 170', sand and shale. Mud 9.2 - 63.

7/21/60

Drilling at 4383' with Bit No. 14. Drilled 208', shale and sand. Mud 9.3 - 58. Deviation 1/2 degree at 4300'.

7/22/60

Drilling at 4650' with Bit No. 16. Drilled 255', shale and sand. Mud 9.3 - 65.

7/23/60

Drilling at 4850' with Bit No. 17. Drilled 200', shale and sand. Mud 9.3 - 61 - 10. Deviation 1 degree at 4810'.

7/24/60

Total Depth 5,038'. Drilled 187', sand and shale. Presently tripping for Bit No. 19. Mud 9.3 - 50.

7/25/60

Drilling at 5310' with Bit No. 20. Drilled 273', shale and sand. Mud 9.3 -

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7/26/60

Drilling at 5615' with Bit No. 21. Drilled 305', shale. Mud 9.3 - 63 - 9.

7/27/60

Drilling at 5985' with Bit No. 22. Drilled 370', sand and shale. Mud 9.3 - 64 - 10. Deviation 1 degree at 5500'.

7/28/60

Drilling at 6232' with Bit No. 23. Drilled 245', shale. Mud 9.3 - 65 - 10.

7/29/60

Total Depth 6460'. Drilled 230', sand and shale. Tripping for Bit No. 25. Mud 9.3 - 71.

7/30/60

Total Depth 6726'. Drilled 266', shale and sand. Present operation - tripping for Bit No. 25. Mud 9.3 - 78 - 6. Changing torque converter while out of hole.

7/31/60

Total Depth 6805'. Drilled 79', sand. Present operation - tripping for Bit No. 27. Mud 9.4 - 81 - 6. Down 6-1/2 hours changing torque converter.

8/1/60

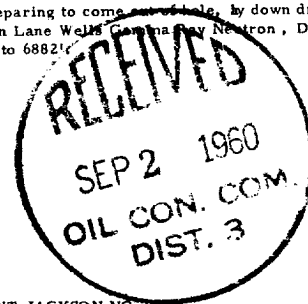
Drilling at 6863' with Bit No. 28. Drilled 58', sand. Mud 9.2 - 92 - 10. Drilling 30 minutes per foot.

8/2/60

Total Depth 6882'. Mud 9.4 - 108 - 9.6. Preparing to log.

8/3/60

Total Depth 6912'. Preparing to come out of hole. Lay down drillpipe, and run 5-1/2" casing. Ran Lane Wells Gamma Ray Neutron, Density and Caliper logs yesterday to 6882'.



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8/4/60

Total Depth 6912'. WOC. Moving off rotary rig. Ran additional 30' of radioactivity log and ran sonic log of Dakota section. Laid down drillpipe.

Ran 6912' (225 joints) of 5-1/2", 15.5# ST&C J-55 casing and set at 6911'. Stage collar at 4857'. Centralizers at 6908', 6842', 6775', 4890', 4698', 4563' and 4512'. Umbrellas at 4890', 4590' and 4540'. Ran differential float shoe and float collar with collar at 6875'.

First Stage Cement Job - 225 Sacks regular cement with 6% gel. Bumped plugs - OK - good returns.

Second Stage Cement Job - After one hour WOC, opened stage collar and cemented with 190 sacks (50-50 Pozmix) with 4% gel with 12-1/2 lbs. Gilsonite per sack. No returns throughout job.

8/5/60

Waiting on completion rig.

8/10/60

Moving in completion rig.

8/11/60

Rigging up completion rig. Drilling stage collar at 4856'. Went in hole with 2-1/2" completion tubing with 4-3/4" bit. Drilling cement stringers 4790' to 4848', drilling hard cement 4 848' to 4856'.

8/12/60

Preparing to sand-water frac stage No. 1. Drilled stage collar at 4856' and cleaned out cement stringers to a PBTD of 6872'. Spotted 500 gallons 15% HCl on bottom. Pulled tubing out of hole, ran Cemotron and collar logs and perforated stage No. 1 with two jets and 2 bullets per foot as follows: 6858-6866', 6823-6827', 6833'-6840', and 6808' - 6813'.