

DRILLING AND COMPLETION HISTORY
CONSOLIDATED OIL & GAS, INC.
GOVERNMENT PAYNE NO. 2-35
San Juan County, New Mexico
May 4, 1960

Location:	1850' FNL, 890' FEL Section 35, Township 31 North, Range 13 West																													
Elevation:	5987' Ground 5999' K. B.																													
Spud:	March 3, 1960																													
Drilling Completed:	April 12, 1960																													
Well Completed:	April 22, 1960																													
Total Depth:	6898' Drilled 6865' Plug back																													
Casing:																														
	<u>Surface:</u>	9 5/8" 36# H-40 cemented at 220' with 175 sacks 2% Ca Cl ₂ cement.																												
	<u>Production:</u>	5 1/2" 14 and 15.5# J-55 cemented at 6896' with 185 sacks 6% gel cement																												
Logs:	Lane Wells - Gamma Ray - Neutron and Cementron																													
Cores:	None																													
Drill Stem Tests:	None																													
Formation Tops:	<table border="0" style="width: 100%;"> <tr><td>Pictured Cliffs</td><td>2052'</td><td>(+3947')</td></tr> <tr><td>Mesa Verde</td><td>3677'</td><td>(+2322')</td></tr> <tr><td>Cliff House</td><td>3741'</td><td>(+2258')</td></tr> <tr><td>Menefee</td><td>3880'</td><td>(+2119')</td></tr> <tr><td>Point Lookout</td><td>4513'</td><td>(+1486')</td></tr> <tr><td>Mancos</td><td>4812'</td><td>(+1187')</td></tr> <tr><td>Gallup</td><td>5767'</td><td>(+ 232')</td></tr> <tr><td>Greenhorn</td><td>6515'</td><td>(- 516')</td></tr> <tr><td>Dakota</td><td>6688'</td><td>(- 689')</td></tr> </table>			Pictured Cliffs	2052'	(+3947')	Mesa Verde	3677'	(+2322')	Cliff House	3741'	(+2258')	Menefee	3880'	(+2119')	Point Lookout	4513'	(+1486')	Mancos	4812'	(+1187')	Gallup	5767'	(+ 232')	Greenhorn	6515'	(- 516')	Dakota	6688'	(- 689')
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Treatment:	Sand-Water Frac - 105,000# sand - 130,000 gals. water																													
Initial Potential:	Flow Volume 3540 MCFD through 3/4" choke. Absolute open flow potential 4260 MCFD.																													

WELL: GOVERNMENT PAYNE NO. 2 - 35 (1850' F/NL and 890' F/EL of Section 35,
T31N. R13W. N.M.P.M.)
FIELD: Undesignated Dakota
COUNTY: San Juan STATE: New Mexico
SPUD DATE: 3/13/60
ELEVATION: 5987' GD
5999' KB

3/14/60

Drilling at 125'.

3/15/60

Drilling at 260'. Drilled 221' 13-3/4 inch hole. Ran 7 joints, 220' of 9-5/8 inch surface Csg. set at 220' KB. Cemented with 175 sacks regular with 2% CaCl. Plug down 1:30 p.m. Deviation 1/2 degree at 200'. Pressured up surface pipe 1,000 lbs. - held O.K. WOC.

3/16/60

Total depth 1,225'. Drilled 965', sand and shale. Drilling with Bit No. 2, using water. Deviation 3/4 degree at 500' and 3/4 degree at 1000'.

3/17/60

Drilling at 2000'. Drilled 775', shale. Working on pump. Still using water. Deviation 1/2 degree at 1300' and 1/2 degree at 1900'.

3/18/60

Drilling at 2628'. Drilled 628' with Bit No. 24. Still using water. Deviation 3/4 degree at 2450'.

3/19/60

Drilling at 3113'. Drilled 485'. Drilling with Bit No. 5. Mud 8.8 - 35. Deviation 1/2 degree at 2950'.

WELL: GOVERNMENT PAYNE NO. 2 - 35

3/20/60

Drilling at 3325'. Drilled 215', sand and shale. Drilling with Bit No. 6. Mud 8.8 - 40. Deviation 1/2 degree at 3075'.

3/21/60

Drilling at 3540'. Drilled 215', sand and shale. Drilling with Bit No. 7. Mud 9.1 - 41.

3/22/60

Drilling at 3710'. Drilled 170', sand and shale. Tripped for Bit No. 9. Mud 9.2 - 52. Deviation 1/2 degree at 3660'.

3/23/60

Drilling at 3835'. Drilled 125', sand and shale. Presently drilling with Bit No. 10. Mud 9.3 - 45. Deviation 1/2 degree at 3660'.

3/24/60

Drilling at 4043'. Drilled 208', sand and shale, using Bit No. 11. Mud 9.3 - 56.

3/25/60

Drilling at 4258'. Drilled 215', sand and shale, using Bit No. 12. Mud 9.4 - 70. Deviation 1/2 degree at 4160'.

3/26/60

Drilling at 4437'. Drilled 179', sand and shale. Drilling with Bit No. 13. Mud 9.5 - 70. Bit No. 12 made 211', ran 16 hours.

3/27/60

Drilling at 4624'. Drilled 187', sand and shale. Drilling with Bit No. 14. Mud 9.5 - 68. Deviation 1/2 degree at 4580'.

3/28/60

Drilling at 4798'. Drilled 174', sand and shale. Tripping for Bit No. 16. Mud 9.7 - 60.

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3/29/60

Drilling at 4913'. Drilled 115', sand and shale. Presently tripping for Bit No. 17. Mud 9.6 - 65.

3/30/60

Drilling at 5077'. Drilled 164', sand and shale. Presently drilling with Bit No. 18. Mud 9.7 - 63. Water loss 7.6. Deviation 1/2 degree at 4940'. Bit No. 17 made 164' in 18 hours.

3/31/60

Drilling at 5235', using Bit No. 19. Mud 9.6 - 65. Hit bridge at 200' off bottom. When drilling through, lost 4 hours circulation at 5236'. Presently drilling ahead.

4/1/60

Drilling at 5404'. Drilled 178', sand and shale. Presently drilling with Bit No. 20. Mud 9.6 - 76. Water loss 8.

4/2/60

Drilling at 5595'. Drilled 191', sand and shale. Presently washing to bottom. Using Bit No. 21. Mud 9.6 - 94. Water loss 6.4

4/3/60

Drilling at 5800'. Drilled 205', sand and shale. Presently tripping for Bit No. 22. Mud 9.5 - 120. Water loss 6.4.

4/4/60

Drilling at 5987'. Drilled 189', sand and shale. Tripping for Bit No. 23. Mud 9.4 - 110. Water loss 5.2. Deviation 2 1/2 degrees at 5680'.

4/5/60

Drilling at 6175'. Drilled 186', sand and shale. Presently tripping for Bit No. 24. Mud 9.6 - 125. Water loss 6.6.

4/6/60

Drilling at 6394'. Drilled 219', sand and shale. Presently tripping for Bit No. 25. Mud 9.4 - 110. Water loss 8.4. Deviation 2 degrees at 5982'.

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4/7/60

Drilling at 6603'. Drilled 209', sand and shale, using Bit No. 26. Mud 9.3 - 108. Water loss 8.

4/8/60

Drilling at 6717'. Drilled 114', sand and shale, using Bit No. 27. Mud 9.4 - 96. Water loss 8%.

4/9/60

Drilling at 6770'. Drilled 53', sand. Tripping for Bit No. 29. Mud 9.4 - 100. Water loss 8.8%.

4/10/60

Drilling at 6838'. Drilled 68', sand. Tripping for Bit No. 31. Mud 9.4 - 90. Deviation 1 1/2 degrees at 6784'.

4/11/60

Drilling at 6881'. Drilled 43', sand, using Bit No. 32. Mud 9.6 - 130.

4/12/60

Total depth 6898', drillers. Preparing to run 5 1/2" production casing. Ran Lane Wells R dioactivity Log with total depth indication at 6888'. Laid down drillpipe. Logging data indicates normally developed Dakota Sand, which should result in commercial gas production.

4/13/60

Total depth - 6898'. WOC. Ran 6898' (208 joints) 5 1/2" 14 and 15.5 lb. casing, set at 6896' KB. Cemented with 185 sacks regular with 6% cel. Displaced plug with 750 gallons acid. Bumped plug at 2500 psi.

4/14/60

Waiting on completion program.

