

WELL: JICARILLA NO. 3-8
 1055' F/NL, 1850' F/EL, Sec. 8, T26N-R5W
 FIELD: Basin Dakota - Tapicito Pictured Cliffs
 COUNTY: Rio Arriba STATE: New Mexico
 ELEVATIONS: 6940' GL
 6952' KB

7/14/63

Moving in rotary rig.

7/15/63

Depth 200'. Drilled 200' 13 3/4" surface hole. Mud weight 9, Visc. 60, 1/4" Dev. at 200'. Spudded in at 8 p.m., 7-14-63.

7/16/63

Drilled 300' 17" hole. 1/2" Dev. at 300'. Ran 16 joints of 12 3/4" casing, set at 300' from KB. Cemented with 275 sx. of regular 2% calcium chloride. Plug down at 4 a.m. 7-16-63. Good returns. Present operation waiting on cement.

7/17/63

Depth 1200'. Drilled 900' sand. Present operation drilling with Bit 1. Mud weight 9, visc. 37, water loss 10, 1/4" Dev. at 750'.

7/18/63

Depth 1915'. Drilled 712' sand. Present operation drilling with Bit 3.

7/19/63

Depth 2470'. Drilled 555' sand. Present operation drilling with Bit 4. Mud weight 9.4, visc. 44, water loss 9.6, 1" Dev. at 2290'.

7/20/63

Depth 2880'. Drilled 410' shale and sand. Present operation trip for Bit 5. Mud weight 9.5, visc. 53, water loss 10, 1" Dev. at 2640'.

7/21/63

Depth 3163'. Drilled 283' sand and shale. Present operation making trip for Bit 6. Mud weight 9.4, visc. 43, water loss 10.

Page 2

WELL: JICARILLA NO. 3-8

7/22/63

Depth 3497'. Drilled 334' sand and shale. Present operation drilling with Bit 6. Mud weight 9, visc. 50, water loss 11.

7/23/63

Depth 3702'. Drilled 209' sand and shale. Tripping for Bit 8. Mud weight 9.6, visc. 50, water loss 10.2, 1" dev. at 3690'.

7/24/63

Depth 3950'. Drilled 248' sand and shale. Present operation drilling with Bit 9. Mud weight 9.5, visc. 50, water loss 10.

7/25/63

Drilled 50' sand. Present operation nipping up for gas drilling. Mud weight 9.5, visc 75, water loss 10. Ran 152 joints 8 5/8" 32# casing. 3999' from KB. Cemented with 134 sx 50-50 Pozmix. 4% gel. 90 sx. regular 2% calcium chloride. Plug down at 12:30 a.m., float collar at 3973' KB.

7/26/63

Depth 4522'. Drilled 522' sand and shale. Present operation drilling with Bit 10 and with gas. 1" dev. at 4500'.

7/27/63

Depth 5215'. Drilled 695' sand and shale. Present operation trip for Bit 12. Dev. 1 1/2" at 5040'.

7/28/63

Depth 5700'. Drilled 485' sand and shale with gas. Present operation drilling with Bit 13. Dev. 2 1/2" at 5530'.

7/29/63

Depth 6807'. Drilled 1107' sand and shale. Present operation drilling with Bit 14. 3" dev. at 6700'.

7/30/63

Depth 7815'. Drilled 1008' sand and shale. Present operation drilling with Bit 15. 3 1/2" dev. at 7350'. Note: Picked up estimated 150 MCF at 7750'.

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7/31/63

TD 7932'. Drilled 117' sand and shale. Laying down drill pipe. Pulled out of hole, ran logs, rigged up and ran 126 joints of 4 1/2" 11.60# casing for a total of 4049'. Set at 7931' KB. Float collar at 7897.65' KB. Top of liner at 3879.11 KB. Total overlap 120'. Cemented with 530 sx of Class C cement with 16% gel, 4 of 1% HR7. Tailed in with 130 sx. regular Class C cement with .9 of 1% Halad 9. Plug down at 12:45 a.m. 7/30/63. Bumped plug with 1000# - held okay. Had estimated 150 MCF natural at 7750 and increased to estimated 400 - 500 MCF

8/1/63

Waiting on completion rig.

8/2/63

Waiting on completion rig.

8/3/63

Waiting on completion rig.

8/4/63

Waiting on completion rig.

8/5/63

Waiting on completion rig.

8/6/63

Will try to move in completion rig today.

8/7/63

Moved in completion rig, rigging up.

8/8/63

Finished rigging up. Started picking up tubing at 8 p.m. 8-7-63. Ran 7 7/8" bit to top of cement at 1821', 2058' above top of liner. Cleaned out cement to 2152' (94'). Apparently tight place at this depth. Total of 2 hours getting through tight spot. Present - drilling firm cement and cleaning out at 2708'. Cleaned out a total of 887'. Lack 1171' to top of liner.

Page 4

WELL: JICARILLA NO. 3-8

8/9/63

Finished cleaning out to 3679'. Went out of cement 200' above top of liner. While dropping thru cement lost approximately 50 bbls of fluid. Came out of hole with 7 7/8" bit. Put on Halliburton RTTS 8 5/8" packer. Ran to 2300' and set. Pressured up on back side to 3400#, held okay. Pumped down thru tubing at a rate of 5 BPM at 1000#. Released packer, reset at 3259#. Pressured up on back side to 2500#. Held okay. Pumped down tubing at rate of 5 BPM at 900#. Stopped pump pressure, went to 0. Started cement. Pumped in 100 sx. Displaced 1 1/2 bbls under tool. Started staging. Reached a 2000# standing pressure, pumped 80 sx in around liner. Left 20 sx, or approximately 80' in 8 5/8" casing. Job completed at 5:30 a.m. 8-9-63. Total cement used - 100 sx 2% regular Ca Cl₂. Released tool, started out of hole.

8/10/63

Pulled packer. WOC 12 hours. Started drilling cement at 6 p.m. 8-9-63. Top of cement at 3784' (95' above top of liner.) Drilled 95' of firm cement to top of liner. Pressured up on casing to 1500#, held okay. Preparing to come out of hole to put small bit on to clean out 4 1/2" casing shoe.

8/11/63

Came out of hole with 7 7/8" bit. Put on 3 7/8" bit to clean out to TD. Bit stopped 1 1/2' inside of liner. Drilled 4-5', fell through. Went on to 6330'. Hit cement at this depth. Present operation drilling cement at 6630'. Drilling 100' per hour.

8/12/63

Depth 7124'. Drilled 494' cement. Lack 804' to clean out depth. Made trip at 7079' for new bit.

8/13/63

Depth 7569'. Drilled 445' cement. Lack 362' to clean out depth. 9 1/2 hours down time due to rig trouble. 2 1/2 hours displacing drilled cement out of hole.

8/14/63

Drilled cement to float collar. Pressured up with Halliburton to 3000#. Held okay. Drilled float collar and cleaned out to 7930'. Pressured up to 3000#, held okay. Displaced cement water. Spotted 1000 gals BD acid. Pulled 2 1/8" tubing out of hole, rigged up and ran correlation log. Perforated bottom zone Perforated 4' per foot by Co Perforating Co. 1st stage. 7928'-7934', 7900'-7906', 7844 -7856', 6 a.m. Preparing to stage acid.