

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☒ other ☐
2. NAME OF OPERATOR
Getty Oil Company
3. ADDRESS OF OPERATOR
P.O. Box 3360, Casper, WY 82602-3360
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1600' FSL & 1850' FEL of Sec. 31
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

- ☐
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☐
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(NOTE: Report results of multiple completion or zone change on Form 9-330.)

(other) Notice of Intention to Complete Well Also Change Plans and Comingle Zones.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Getty Oil Company proposes to complete this well according to the attached completion procedure.

*Please note that this well will not be a dual completion as originally approved in the APD. After approval is received from the State of New Mexico, the Gallup and Dakota will be comingled downhole.

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Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Area Superintendent DATE 6-17-83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

NMOCC

APPROVED
AS AMENDED

JUN 28 1983
[Signature]
JAMES F. SIMS
DISTRICT ENGINEER

COMPLETION PROCEDURE

Jicarilla "B" No. 26E

1. Move in rig up workover unit.
2. Nipple down wellhead, nipple up BOP.
3. Pick up and trip in hole with 4 3/4" bit, casing scraper, and 2 3/8" tubing string.
4. Drill out cement and DV tools (3415' and 5114') to float collar at 7131'.
5. Circulate hole clean with 2% KCl water.
6. Trip out of hole with tubing, casing scraper, and bit. Lay down bit and casing scraper.
7. Move in rig up wireline unit. Run GR-CBL-VDL-CCL from PBTD (7131') to surface. Rig down wireline unit.
8. Pressure test casing to 3000 psi for 15 minutes. Bleed pressure off casing.
9. Trip in hole with 2 3/8" tubing to 7110'. Spot 200 gals of 10% acetic acid from 7110' to 6910'.
10. Pull up hole to 6500' and swab fluid level down to 5450' (500 psig differential).
11. Trip out of hole with tubing. Move in rig up wireline unit. Run in hole with 4.0" HSC perforating gun and perforate the Dakota with 1 spf, 22 gram charges, and 0.50" EHD , in the following intervals:

7037' - 7046' 9'

7053' - 7056' 3'

7064' - 7068' 4'

7081' - 7085' 4'

7095' - 7098' 3'

Total Footage 23'

Perforation depths are to be correlated with CNL-FDL-GR log dated April 29, 1983.

12. Pull out of hole with perforating gun. Lay down gun, rig down wireline unit.
13. Pick up 5 1/2" packer. Trip in hole with packer and tubing to 6950'.

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DIST. 3

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Set packer at 6950'. Fill backside with 2% KCl water containing 1 gal/1000 gals clay stabilizer (CLA STA or equivalent).

14. Move in rig up service company. Breakdown perforations from 7037' to 7098' with 1200 gals of 15% HCl acid containing 1 gal/1000 gals clay stabilizer (CLA STA or equivalent), 2 gals/1000 gals acid inhibitor (HAI-55 or equivalent), 1 gal/1000 gals non-emulsifier (LoSurf 259 or equivalent), 25 lbs/1000 gals citric acid flakes, and 400 SCF/bbls N₂. Drop 58-7/8" RCN ball sealers evenly spaced throughout the acid (2 balls/bbl). Pumping rate needs to be 6 BPM to have ball off action. Displace acid with 35 bbls of 2% KCl water containing 1 gal/1000 gals clay stabilizer (CLA STA or equivalent) and 400 SCF/bbl N₂.
15. Shut well in 1 hour. Flow back spent acid and N₂. Rig down service company.
16. Unseat packer. Lower packer past perms to knock off any remaining ball sealers. Trip out of hole with packer and tubing. Lay down packer.
17. Rig up service company and frac the Dakota as per attached frac schedule.
18. Shut well in overnight. Rig down service company.
19. Gradually open well to pit through 2" line and flow back frac fluid.
20. After the Dakota is cleaned up, move in and rig up wireline unit. Trip in hole with GR log to PBTD (7131') and log well to 5131'. Trip out of hole with log. Rig down wireline unit.
21. Trip in hole with 2 3/8" tubing and S.N. to 7070'. Set tubing at 7070'.
22. Nipple down BOP; nipple up wellhead. Rig down completion unit. Flow test Dakota for 30 days.
23. After 30 day flow test, obtain the 7 day shut in pressure for the Dakota.
24. Move in rig up completion unit. Kill well with 2% KCl water containing 1 gal/1000 gal clay stabilizer (CLA STA or equivalent). Trip out of hole with tubing. Lay down S.N. Pick up 5 1/2" retrievable bridge plug. Trip in hole with RBP and tubing to 7000'. Set bridge plug at 7000'. Pressure test bridge plug to 3000 psi for 15 minutes.
25. Pull up hole to 6325'. Spot 175 gals of 10% acetic acid from 6325' to 6150'. Pull up hole with tubing to 6000'. Swab fluid level down to 5038'. Trip out of hole with tubing.

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26. Move in rig up wireline unit. Pick up and run in hole with a 4 3/8" HSC perforating gun. Perforate the lower Gallup with 1 shot every other foot with 22 gram charges, 0.40 EHD, and 90° phasing in the following interval:

6180' - 6320' 140'

Perforation depths are to be correlated with CNL-FDL-GR log dated April 29, 1983.

27. Trip out of hole with perforating gun. Lay down perforating gun and rig down wireline unit.
28. Pick up and trip in hole with 5 1/2" packer and tubing to 6100'. Set packer at 6100'. Fill backside with 2% KCl water containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent).
29. Breakdown perfs with 3500 gals of 15% HCl containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent), 2 gals/1000 gals non-emulsifier (LoSurf 259 or equivalent), 2 gals/1000 gals acid inhibitor (HAI-55 or equivalent), 25 lbs/1000 gals citric acid flakes, and 400 SCF/bbl N₂. Pump 1750 gals (42 bbls) of acid without balls. Pump the remaining 1750 gals (42 bbls) of acid dropping 3 balls/bbl (7/8" RCN ball sealers). Pumping rate needs to be 6 BPM to have any ball off action. Displace acid with 31 bbls of 2% KCl water containing 2 gals/1000 gals clay stabilizer and 400 SCF/bbl N₂.
30. Shut well in 1 hour. Flow back spent acid and N₂. Rig down service company.
31. After well quits flowing, unseat packer. Lower packer past perfs knocking off any remaining ball sealers. Circulate ball sealers out with N₂. Trip out of hole with tubing and packer. Lay down packer.
32. Rig up service company and frac the lower Gallup as per attached frac schedule.
33. Shut well in overnight. Rig down service company.
34. Gradually open well and flow back fracturing fluid.
35. After recovering fracture fluid, kill well with 2% KCl water containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent).
36. Pick up and trip in hole with a 5 1/2" RBP and tubing to 6150'. Set RBP at 6150'. Pressure test BP to 3000 psi for 15 minutes.

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37. Pull up hole with tubing to 6135'. Spot 210 gals of 10% acetic acid from 6135' to 5925'.
38. Pull up hole with tubing to 5500'. Swab fluid level down to 4870'. Trip out of hole with tubing.
39. Move in rig up wireline unit. Run in hole with 4.0" HSC perforating gun and perforate the upper Gallup with 1 shot every other foot with 22 gram charges, 0.40" EHD, and 90° phasing in the following interval:

6010' - 6130' 120'

Perforation depths are to be correlated with CNL-FDL-GR log dated April 29, 1983.

40. Pick up 5 1/2" packer and trip in hole with packer and tubing to 5900'. Set packer at 5900'.
41. Breakdown perfs from 6010' to 6130' with 3000 gals of 15% HCl acid containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent), 2 gal/1000 gals non-emulsifier (LoSurf 259 or equivalent) and 400 SCF/bbl N₂. Pump 2000 gals (48 bbls) of acid without ball sealers. Pump the remaining 1000 gals (24 bbls) dropping 4 balls/bbl 7/8" RCN ball sealers). Pump rate for the acid needs to be 6 BPM to have any ball off action. Displace acid with 1260 gals (30 bbls) of 2% KCl water containing 2 gals/1000 gals clay stabilizer and 400 SCF/bbl N₂.
42. Shut well in 1 hour. Flow back spent acid and N₂. Rig down service company.
43. Unseat packer. Lower packer past perfs knocking off any remaining balls. Circulate out ballsealers with N₂. Trip out of hole with tubing and packer. Lay down packer.
44. Move in rig up service company. Frac upper Gallup as per attached frac schedule. Shut well in overnight. Rig down service company.
45. Open well gradually and flow back fracture fluid to pit.
46. After frac fluid has been recovered from the upper Gallup, trip in hole retrieving head and tubing. Kill well if necessary with 2% KCl water containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent). Trip out of hole with tubing and RBP. Lay down RBP.
47. Trip in hole with tubing to sand fill. Circulate sand out to 7000' with 2% KCl water containing 2 gals/1000 gals clay stabilizer (CLA STA or equivalent).

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48. Move in rig up wireline unit. Run GR log from 7000' to 5000'. Pull out of hole with logging tools. Rig down wireline unit.
49. Set tubing at 6,250'. Flow test Gallup.
50. Obtain 7 day shut in pressures.
51. After obtaining permission from the State to commingle the Gallup and Dakota reservoirs downhole, a production string will be specified.