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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
*Supersedes Old C-102 and C-103*
Effective 1-1-65

5a. Indicate Type of Lease State [X] Fee [ ]

5. State Oil & Gas Lease No. E-1207

## 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 "APPLICATION FOR PERMIT —" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL [X] GAS WELL [ ] OTHER-

7. Unit Agreement Name: —

2. Name of Operator: Getty Oil Company

8. Farm or Lease Name: Farming "E"

3. Address of Operator: P.O. Box 3360, Casper, WY 82602-3360

9. Well No.: ~~3~~ 3E

4. Location of Well
UNIT LETTER D, 1450 FEET FROM THE North LINE AND 920 FEET FROM THE West LINE, SECTION 2 TOWNSHIP 24N RANGE 6W NMPM.

10. Field and Pool, or Wildcat: Devil's Fork Gallup (ass'd.)

15. Elevation (*Show whether DF, RT, GR, etc.*): 6429'

12. County: Rio Arriba

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK [ ] | PLUG AND ABANDON [ ] | REMEDIAL WORK [ ] | ALTERING CASING [ ] |
| TEMPORARILY ABANDON [ ] | | COMMENCE DRILLING OPNS. [ ] | PLUG AND ABANDONMENT [ ] |
| PULL OR ALTER CASING [ ] | CHANGE PLANS [ ] | CASING TEST AND CEMENT JOB [ ] | |
| OTHER Plug back Dakota & Recomplete Gallup [X] | | OTHER [ ] | |

17. Describe Proposed or Completed Operations (*Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work*) SEE RULE 1103.

This well was originally completed in the Basin Dakota formation. Getty Oil Company proposes to plug back the Dakota and recomplete this well in the Devil's Fork Gallup formation. Please see attached completion procedure.

* This well was formerly the Getty Oil Company Farming "E" No. 3E. The name will change to the Farming "E" #4 after the Dakota is plugged and the Gallup is completed.

Please disregard Sundry Notice dated 12-3-82.

RECEIVED
DEC 17 1982
OIL CON. COM.
DIST. 3

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED [signature] TITLE Area Superintendent DATE 12-14-82

Original Signed by FRANK T. CHAVEZ
APPROVED BY _____ TITLE SUPERVISOR DISTRICT # 3 DATE DEC 17 1982

CONDITIONS OF APPROVAL, IF ANY:

Proposed Recompletion Procedure - Farming "E" #4 

1. MIRU completion unit.

2. Bleed off pressure to pit. Nipple up BOP.

3. Unseat tubing from Model "F" packer @ 6000' and trip out with tubing to remove tailpipe below packer.

4. Trip in hole with seal assembly on end of 2 3/8" tubing and sting into packer at 6000'.

5. Establish an injection rate with water. Pull out of packer. Spot 150 sx Class "G" cement to 100' from end of tubing (22.8 bbls cement). Sting into packer. Squeeze cement into formation, displacing cement with 960 gallons of water (last of cement 100' above packer). Unsting from packer and displace last 2 sacks of cement on packer. Pick up tubing 2 stands then reverse out any excess cement. Pressure tubing and casing to 2500 psi and leave well shut in overnight.

6. Load hole with 1% KCl water. TOH with tubing.

7. R.U. wireline unit. Perforate 8 squeeze holes at 5732'-33' with 4" HSC, 22 gram charges, 0.40" holes, 4 jspf. R.D. wireline unit.

8. Trip in hole with a retrievable squeeze packer and set at 5670'. Establish an injection rate with 1% KCl water. Open bypass on packer and pump 100 sx of Class "G" cement to 5640'. Close bypass and squeeze cement into formation to a final squeeze pressure of 3000 psi. Release packer and reverse out any cement.

9. Pick tubing up 5 stands. Reset packer. Pressure up on tubing to 3000 psi and annulus to 1000 psi. Shut well in overnight.

10. Trip out of hole with tubing and packer.

11. Rig up wireline unit. Perforate 8 squeeze holes at 5434'-35' as in step No. 7.

12. Trip in hole with a retrievable squeeze packer and set at 5375'. Establish an injection rate with 1% KCl water. Open bypass on packer and spot 75 sacks of Class "G" cement 5350' (75 sacks cement and 207 gallons of displacement water). Close bypass and squeeze cement behind casing to a final squeeze pressure of 3000 psi. Release packer and reverse out any excess cement.

13. Pick tubing up 5 stands. Reset packer. Pressure tubing to 3000 psi and annulus to 1000 psi. Shut well in overnight.

14. Release packer and trip out of hole.

15. Trip in hole with a 4 3/4" bit and drill out top cement plug.

16. Pressure test casing to 3000 psi for 15 minutes.

17. If pressure holds, drill out lower cement plug.

18. Pressure test casing to 3000 psi for 15 minutes. If pressure holds, trip in hole to check PBTD.

19. Swab well down to 4000', spot 300 gallons 10% acetic acid from 5700'-5400'. TOH.

20. Rig up wireline unit and perforate the Gallup with a 4" HSC gun, 19 gram charges, 0.25" holes as per the following schedule. (Note: The fracture treatment which will be done on this well is a limited entry frac and 0.25" holes are necessary.

Perforating Schedule

One 1/4" hole at each of the following depths (reference log: DIL-SFL):

| | | | | |
|---|---|---|---|---|
| 5477' | 5550' | 5541' | 5567' | 5646' |
| 5479' | 5502' | 5542' | 5581' | 5648' |
| 5481' | 5508' | 5543' | 5583' | 5667' |
| 5485' | 5509' | 5544' | 5585' | 5669' |
| 5486' | 5527' | 5557' | 5587' | 5671' |
| 5487' | 5528' | 5558' | 5609' | 5672' |
| 5493' | 5530' | 5559' | 5610' | 5673' |
| 5494' | 5531' | 5560' | 5636' | 5689' |
| 5495' | 5538' | 5561' | 5638' | 5691' |
| 5496' | 5539' | 5563' | 5640' | 5692' |
| 5499' | 5540' | 5565' | 5644' | 5693' |

21. Trip in hole with tubing and retrievable treating packer and set packer at 5300'.

22. Rig up. Breakdown the Gallup down tubing with 2200 gallons of 1% KCl with a friction reducer, clay stabilizer and a non-emulsifier. Pump 600 gallons without ball sealers and pump 1600 gallons dropping 1 - 5/8" RCN ball sealers per 20 gallons (80 balls, approximately 2 balls/bbl). Flush to perfs with 1040 gallons 1% KCl water.

23. Trip below perfs with packer to knock off ball sealers, letting balls fall to bottom. TOH.

24. Rig up and fracture the Gallup down casing with 95,200 gallons of Mini-Max III x-linked gel with 215,000 lbs of 20/40 sand as per the attached schedule.

25. Shut in well for 4 hours to allow frac to heal.

26. Open well to pit to clean up well. TIH with tubing to swab, if necessary.

27. Trip in hole with 2 3/8", 4.7#, J-55, 8rd EUE tubing with a SN and expendable check and clean out sand to PBTD with $N_2$. Come back up hole and set tubing at approximately 5500'.

28. Flow and test the well. Swab if necessary.