

**UNITED STATES N.M. Oil Cons. Division**  
**DEPARTMENT OF THE INTERIOR 1625 N. French Dr.**  
**BUREAU OF LAND MANAGEMENT HOBBS, NM 88240**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>	5. Lease Designation and Serial No. LC-030556 (A)
2. Name of Operator Doyle Hartman	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 500 N. Main St., Midland, TX 79701, (915) 684-4011	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1650' FSL & 990' FWL (Unit L), Section 35, T-23-S, R-36-E, N.M.P.M	8. Well Name and No. Stevens A-35 No. 2
	9. API Well No. 30-025-09467
	10. Field and Pool, or Exploratory Area Jalmat (T-Y-7R)
	11. County or Parish, State Lea, NM

**12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair & Cement Repair
	<input checked="" type="checkbox"/> Altering Casing (Install 4 1/2" O.D. FJL)
	<input checked="" type="checkbox"/> Other Cement open-hole interval to isolate individual Jalmat strata
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input checked="" type="checkbox"/> Winter Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

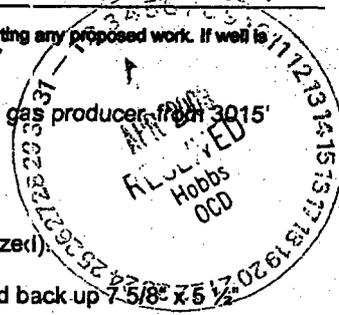
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

The Stevens "A-35" No. 2 well was completed, on 5-27-49, as an open-hole Jalmat (Yates-Seven Rivers) gas producer, from 3015' to 3507', for an initial potential of 4590 MCFPD.

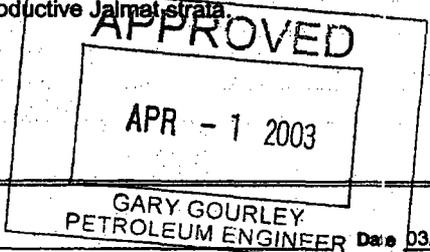
On 11-3-92, Conoco plugged and abandoned the well, as follows:

- Set CIBP at 2850', with 40' of cement on top of plug (open-hole Jalmat strata was not squeezed).
- Set 25 sx cement plug from 1167' to 1322'.
- Perforated 5 1/2" O.D. casing at 375'. Circulated 175 sx of cement down 5 1/2" O.D. casing and back up 7 5/8" x 5 1/2" annulus.



Because the Stevens "A-35" No. 2 open-hole interval remains unsqueezed, and certain Seven Rivers strata (in the vicinity of the Stevens "A-35" No. 2) are known to be water productive, it is necessary that the following remediation work be performed (as outlined on pages 2 of 3 and 3 of 3 attached hereto), in order to prevent the waste of valuable Jalmat gas reserves, as a result of the crossflow of water, from water-productive Jalmat strata, into still gas-productive Jalmat strata.

APPROVED FOR 3 MONTH PERIOD  
ENDING 7-1-03



14. I hereby certify that the foregoing is true and correct  
Signed [Signature] Title Engineer Date 03/26/2003

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GWW

\*See instruction on Reverse Side

**Necessary Remediation Procedure**

1. Move in and rig up well service unit.
2. Hook up reverse drilling unit. Drill out existing cement plugs:

<u>Interval</u>	<u>Net sx.</u>
0' to 375'	38
1167' to 1322'	25
2810' to 2850'	4

3. Hook up high-volume air-foam circulating unit and blowdown tank. Drill up CIBP at 2850'.
4. Clean out open hole, from 2887' to 3507'.
5. Drill 4 3/4" hole from 3507' to 3700'.
6. Circulate hole with foam, until hole is clean and formation caving have ceased.
7. Ream and condition open-hole section, by running 4 3/4" string-mill assembly, and rotating and circulating to bottom.
8. Rig up Schlumberger. Log well.
9. Based upon logging and cleanout results, if Jalmat open-hole interval still appears to be commercially productive, run 4 1/2" O.D. flush-joint liner. Squeeze liner into place, at a cementing rate of 14 BPM, with 1600 sx of API Class "C" cement, containing 2.5% CaCl<sub>2</sub>, 5 lb/sx Gilsonite, 0.25 lb/sx Flocele.
10. Squeeze perfs at 375', with 1000 sx API Class "C" cement, containing 3% CaCl<sub>2</sub>, 5 lb/sx Gilsonite, 0.25 lb/sx Flocele.
11. Drill cement to 3695'. Pressure test liner.
12. Perforate and acidize productive portion of Jalmat interval.
13. Run rods and pump. Return well to active Jalmat producing status.

Page 3 of 3  
BLM Form 3160-5 dated 03-26-03  
Doyle Hartman  
Stevens "A-35" Com. No. 2  
L-35-23S-36E  
API No. 30-025-09467

14. If logging results indicate that Jalmat interval is no longer commercially productive (i.e., watered out), set cementing retainer at 2850'. Squeeze open-hole interval, from 2887' to 3700', with 300 sx of API Class "C" cement, containing 2.5% CaCl<sub>2</sub>, 5 lb/sx Gilsonite, 0.25 lb/sx Flocele.
15. Finish plugging well, by setting 25-sx Class "C" cement plug at 1150' to 1400', and 40-sx cement plug from 0' to 375'.
16. Cleanup and restore location, as necessary.

New Mexico Oil Conservation Division, District I

1625 N. French Drive  
Hobbs, NM 88240

SUBMIT IN TRIPPLICATE  
Instructions on reverse side

FORM APPROVED  
OMB NO. 1004-0186  
Expires: February 28, 1995

Form 3180-3  
(July 1992)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
 DRILL  Re-enter & Deepen

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Doyle Hartman

3. ADDRESS AND TELEPHONE NO.  
 500 N. Main St., Midland, TX 79701, (915) 684-4011

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1650' FSL & 990' FWL (Unit L)  
 At proposed prod. zone 1650' FSL & 990' FWL (Unit L)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 9.5 miles Northwest of Jal, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also measured and true vert. depth)  
 280

16. NO. OF ACRES IN LEASE  
 280

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 280

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 3700'

19. PROPOSED DEPTH  
 3700'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)  
 3561' GR

22. APPROX. DATE WORK WILL START\*  
 05/10/03

5. LEASE DESIGNATION AND SERIAL NO.  
 LC-030556 (A)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
 Stevens A-35 No. 2

9. API WELL NO.  
 30-025-09467

10. FIELD AND POOL, OR WLD/CAT  
 Jalmat (T-Y-7R)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 35, T-23-S, R-36-E

12. COUNTY (OR PARISH)  
 Lea

13. STATE  
 NM

23. PROPOSED CASING AND CEMENTING PROGRAM

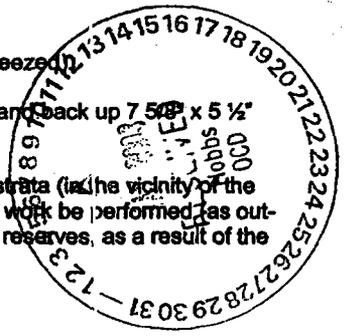
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	10 3/4", H-40	32.75 #/ft	336'	300 sx, 05/08/1949
	5 1/2", J-55	17 & 15.5 #/ft	2867'	950 sx (Cir.), 05/12/1949
4 3/4"	4 1/2", J-55 (FJL)	11.6 #/ft	2800' - 3699'	Squeezed w/ 1800 sx

The Stevens "A-35" No. 2 well was completed, on 5-27-49, as an open-hole Jalmat (Yates-Seven Rivers) gas producer, from 3015' to 3507', for an initial potential of 4590 MCFPD.

On 11-3-92, Conoco plugged and abandoned the well, as follows:

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Because the Stevens "A-35" No. 2 open-hole interval remains unsqueezed, and certain Seven Rivers strata (in the vicinity of the Stevens "A-35" No. 2) are known to be water productive, it is necessary that the following remediation work be performed (as outlined on pages 2 of 3 and 3 of 3 attached hereto), in order to prevent the waste of valuable Jalmat gas reserves, as a result of the crossflow of water, from water-productive Jalmat strata, into still gas-productive Jalmat strata.



IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24. SIGNED Doyle Hartman TITLE Engineer DATE 04/09/2003

(This is a PERMIT Application CONDITION)

OPER. OGRID NO. 6473  
 PROPERTY NO. 30994  
 POOL CODE 79240  
 EFF. DATE 5-6-03  
 API NO. 30-025-09467  
 /s/ Mary J. Rugwell

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVED BY: FOR TITLE FIELD MANAGER DATE MAY 05 2003

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District I  
PO Box 1989, Hobbs, NM 88241-1989

District II  
611 South Flat, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87416

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-09467	Pool Code 78240	Pool Name Jaimai (T-Y-7R)
Property Code 30994	Property Name Stevens "A-35" Com	Well Number 2
OGRI No. 6473	Operator Name Doyle Hartman	Elevation 3361' GR

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
L	35	23S	38E		1850'	South	990'	West	Lea

Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County

Dedicated Acres 280	Joint or In/R Y	Consolidation Code	Order No. NMOCD Order R-3425
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Doyle Hartman</i> Signature Steve Hartman Printed Name Engineer Title 04/14/2003 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b> I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey Signature and Seal of Professional Surveyor:  Certificates Number</p>

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised October 18, 1994

Instructions on back  
Submit to Appropriate District Office  
5 Copies

AMENDED REPORT

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address Doyle Hartman 500 N. Main St. Midland, TX 79701		<sup>2</sup> CGRID Number 8473
		<sup>3</sup> Reason for Filing Code CG, Return Well to Active Producing Status
<sup>4</sup> API Number 30 - 0 25-09467	<sup>5</sup> Pool Name Jalmat (T-Y-7R) Gas	<sup>6</sup> Pool Code 79240
<sup>7</sup> Property Code 003114 30994	<sup>8</sup> Property Name Stevens "A-35" Com-	<sup>9</sup> Well Number 2

**II. <sup>10</sup> Surface Location**

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
L	35	23S	36E		1650	South	990	West	Lea

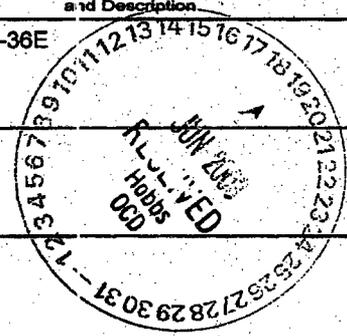
**<sup>11</sup> Bottom Hole Location**

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code P/F	<sup>14</sup> Gas Connection Date 06/13/2003	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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**III. Oil and Gas Transporters**

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> POD	<sup>21</sup> O/G	<sup>22</sup> POD ULSTR Location and Description
020809	Sid Richardson 201 Main Street Ft. Worth, TX 76102	2835158	G	L-35-23S-36E



**IV. Produced Water**

<sup>23</sup> POD 2835159	<sup>24</sup> POD ULSTR Location and Description L-35-23S-36E
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**V. Well Completion Data**

<sup>25</sup> Spud Date 05/06/1949	<sup>26</sup> Ready Date 06/13/2003	<sup>27</sup> TD 3604'	<sup>28</sup> PBD 3580'	<sup>29</sup> Perforations 3016' - 3113' w/ 22	<sup>30</sup> DHC, DC, MC 4.00"
<sup>31</sup> Hole Size N/A	<sup>32</sup> Casing & Tubing Size 10 3/4", 32.75 #/ft	<sup>33</sup> Depth Set 336'	<sup>34</sup> Sacks Cement 300 sx		
6 3/4"	5 1/2", 17 & 15.5 #/ft	2887'	950 sx + 1000 sx		
4 3/4"	4 1/2", 11.6 #/ft FJL	2794' - 3586'	sqz'd w/ 1800 sx		
	2 3/8", 4.7 #/ft, J-55, EUE Tbg	3417'			

**VI. Well Test Data**

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date 06/13/2003	<sup>37</sup> Test Date 06/17/2003	<sup>38</sup> Test Length 24 hrs.	<sup>39</sup> Tbg. Pressure —	<sup>40</sup> Csg. Pressure 94 psig
<sup>41</sup> Choke Size 34/128	<sup>42</sup> Oil —	<sup>43</sup> Water 4.2 BBLs	<sup>44</sup> Gas 235 MCF	<sup>45</sup> AOF —	<sup>46</sup> Test Method Meter Run

**OIL CONSERVATION DIVISION**

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Steve Hartman*  
Printed name: Steve Hartman  
Title: Engineer  
Date: 06/17/2003  
Phone: 915-684-4011

Approved by: *[Signature]*  
Title: PETROLEUM ENGINEER  
Approval Date: JUL 03 2003

<sup>48</sup> If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date
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Return of previously abandoned Jalmat well to active producing status

MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT  
 HOBBS OFFICE O. C. C.

Form C-102-  
 Supersedes C-128  
 Effective 1-1-55

All distances must be from the outer boundaries of the Section.

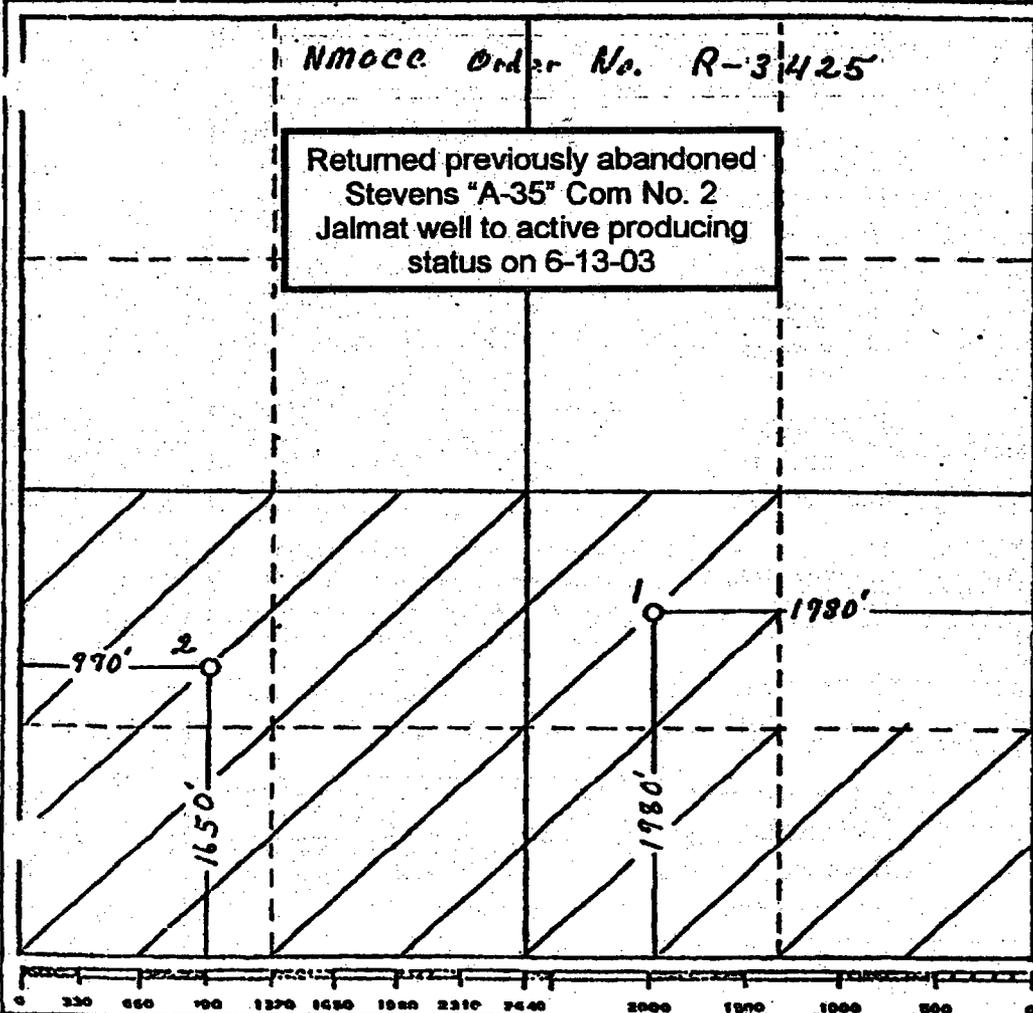
Operator <i>Continental Oil Company</i>				Well No. <i>1 + 2</i>	
Section <i>35</i>	Township <i>23 S</i>	Range <i>36 E</i>	County <i>Lea</i>		
Actual Location of Wells <i>1-1980</i> South line and <i>1980</i> East line <i>2-1650</i> feet from the South line and <i>990</i> feet from the East line					
Original Well Elev. <i>333</i>	Producing Formation <i>Galine-Snow Rivers</i>	Pool <i>Jalmat Area</i>	Dedicated Acreage: <i>280</i> Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

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

Name: *Ronald Gault III*  
 Position: *Adm. Sec. Chief*  
 Company: *Continental Oil Co.*  
 Date: *June 14, 1968*

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: \_\_\_\_\_  
 Registered Professional Engineer and/or Land Surveyor: \_\_\_\_\_  
 Certificate No.: \_\_\_\_\_

**UNITED STATES N.M. Oil Cons. Division**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**  
 1625 N. French Dr  
 Hobbs, NM 88240

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Returned Wellbore to Other Active Producing Status

2. NAME OF OPERATOR  
Doyle Hartman

3. ADDRESS AND TELEPHONE NO.  
500 N. Main St., Midland, TX 79701, (915) 684-4011

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface  
1650' FSL & 990' FWL (Unit L)  
At top prod. interval reported below

5. LEASE DESIGNATION AND SERIAL NO.  
LC-130556 (A)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
Stevens "A-35" Gem No. 2

9. API WELL NO.  
30-325-09467

10. FIELD AND PCOL, OR WILDCAT  
Jalmat (T-Y-7R)

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA  
Sec. 35, T-23-S, R-36-E, NMPM

12. COUNTY OR PARISH  
Lea

13. STATE  
NM

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED 05/06/1949 16. DATE T.D. REACHED 05/27/1949 17. DATE COMPL. (Ready to prod.) 06/13/2003 18. ELEVATIONS (DF, RKB, RT, GE, ETC.)\* 3361' GR 19. ELEV. CASINGHEAD 3363'

20. TOTAL DEPTH, MD & TVD 3604' 21. PLUG, BACK T.D., MD & TVD 3580' 22. IF MULTIPLE COMPL. HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS 0' - 3604' CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)\*  
3016' - 3113', Yates

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
SAS-CNL-GR-CCL, VDCBL-GR-CCL (05/28/2003)

27. WAS WELL CORED  
No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
10 3/4"	32.75 #/ft	336'		300 sx	Circ.
5 1/2"	17 & 15.5 #/ft	2887'	6 3/4"	950 sx + 1000 sx	Circ.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4 1/2"	2794'	3586'	1800 sx	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	3417'	

31. PERFORATION RECORD (Interval, size and number)  
3016' - 3113' w/ (22) 0.37" x 19" Holes  
(Return of previously abandoned Jalmat well to active producing status)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3016' - 3113'	A/ 6200 Gal 15% MCA
3016' - 3113'	SWF/ 199,060 Gal. & 450,000#

33. PRODUCTION

DATE FIRST PRODUCTION 06/13/2003 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing / Pumping (6.25 x 64 x 1 1/4) WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
06/17/2003	24 Hrs	34/128			235	4.2	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	94 psig			235	4.2	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold

35. LIST OF ATTACHMENTS  
SAS-CNL-GR-CCL log and VDCBL-GR-CCL log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED: *[Signature]* TITLE: RETIREMENT ENGINEER

ACCEPTED FOR RECORD JUN 19 2003 GARY GOURLEY

TEST WITNESSED BY: Don Mashburn DATE 06/17/2003 Hobbs, NM

\*(See Instructions and Spaces for Additional Data on Reverse Side)

N.M. Oil Cons. Division  
UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
1625 N. French Dr.  
Hobbs, NM 88240

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Doyle Hartman

3. Address and Telephone No.  
 500 N. Main St., Midland, TX 79701, (915) 684-4011

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1650' FSL & 990' FWL (Unit L),  
 Section 35, T-23-S, R-36-E, N.M.P.M

5. Lease Designation and Serial No.  
 LC-030556 (A)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
 Stevens "A-35" Com No. 2

9. API Well No.  
 30-025-09467

10. Field and Pool, or Exploratory Area  
 Jalmat (T-Y-7R)

11. County or Parish, State  
 Lea, NM

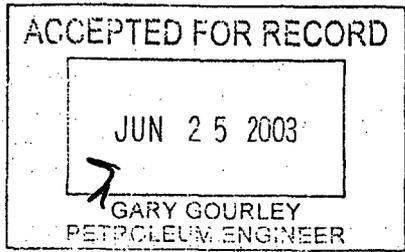
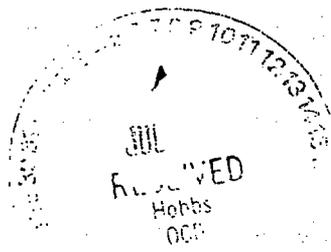
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input checked="" type="checkbox"/> Casing Repair & Cement Repair
	<input checked="" type="checkbox"/> Altering Casing (Install 4 1/2" O.D. FJL)
	<input checked="" type="checkbox"/> Other Returned Abandoned Jalmat Well to Active Producing Status
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input checked="" type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

For details of completed operations, please refer to pages 2 of 5, 3 of 5, 4 of 5 and 5 of 5 attached hereto, and made a part hereof.



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

Signed Doyle Hartman Title Engineer Date 06/17/2003

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

GWN

\*See Instruction on Reverse Side

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Stevens "A-35" Com No. 2  
L-35-23S-36E  
API No. 30-025-09467

### Details of Completed Operations

Moved in trackhoe. Dug out around well.

Rigged up welder. Cut off 23' of corroded 10 3/4" surface casing. Cut off 22' of 5 1/2" O.D. production casing. Replaced cut-off casing segments, with new 5 1/2" O.D. production casing and new 10 3/4" O.D. surface casing.

Welded 2" threaded collar to side of 10 3/4" O.D. surface casing, at both the top and bottom of the 10 3/4" O.D. x 23' replacement joint. Connected 2" O.D. riser to bottom collar. Welded cross braces to 10 3/4" O.D. casing, for centering of cellar can. Taped exposed casing with corrosion-resistant tape.

Installed 52" O.D. x 24' corrugated steel cellar can. Backfilled around cellar can. Sealed 10 3/4" x 5 1/2" casing annulus with 10 3/4" O.D. x 5 1/2" I.D. x 1/2" steel seal plate. Installed B & M Oil Tool 5 1/2" x 2 3/8" x 3 1/2" 3000-psi Type MR tubinghead. Filled cellar can with 13 cubic yards of concrete.

Leveled and re-caliched location.

Moved in and rigged up well service unit. Rigged up reverse drilling equipment. Commenced drilling cement plugs, on 5-5-03. Drilled top cement plug from 0' to 698'. Drilled second cement plug from 1133' to 1336'. Circulated hole clean.

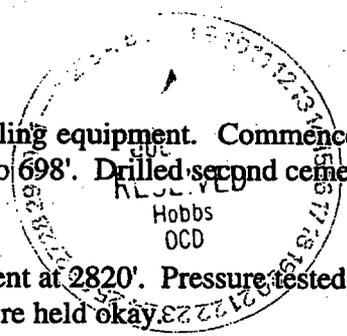
Lowered 708' bottom-hole drilling assembly to 2820'. Tagged cement at 2820'. Pressure tested 5 1/2" O.D. casing (0' to 2820'), to 1000 psi, for 30 minutes. Pressure held okay.

Drilled cement, from 2820' to 2850'. Drilled on 5 1/2" CIBP, for 1 hour. Circulated hole clean.

Hooked up two high-volume air-foam circulating units. Unloaded water from hole. Commenced generating and pumping foam. Drilled on 5 1/2" CIBP for an additional 2.5 hours, before CIBP slips relaxed.

Pushed 5 1/2" CIBP to 3500'. Drilled up remainder of 5 1/2" CIBP. Drilled 4 3/4" hole to 3519'. Circulated hole clean. Pulled bottom-hole drilling assembly.

Ran 883' bottom-hole drilling assembly consisting of 4 3/4" button bit and (30) 3 1/2" O.D. drill collars. Drilled 4 3/4" hole to a new total depth of 3604'. Pulled bottom-hole drilling assembly.



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Ran 4 3/4" string-mill assembly. Rotated string mill from 2887' to 3604'. Pulled string-mill assembly.

Ran 889' under-reamer assembly consisting of 6 3/4" x 4 3/4" under reamer and (30) 3 1/2" O.D. drill collars. Under reamed wellbore, from 3010' to 3140'. Circulated hole clean and dry. Pulled under-reamer assembly.

Ran second under-reamer, but could not run below 3140', due to sloughing and bridging. Pulled under-reamer assembly.

Cleaned out bridges to 3140'. Ran bottom-hole drilling assembly to 3598'. Cleaned out fill to 3604'. Circulated hole overnight with foam. Pulled bottom-hole drilling and cleanout assembly.

Ran 23-joint (792'), 4 1/2" O.D., 11.6 lb/ft flush-joint liner. Could not get liner to go past 3140'. Pulled and laid down 4 1/2" O.D. flush-joint liner.

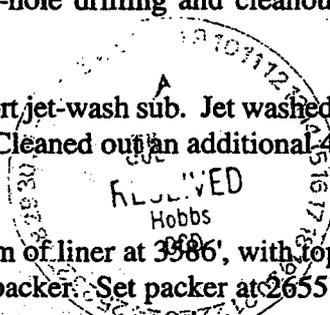
Ran bottom-hole drilling and cleanout assembly. Circulated hole with foam and cleaned out formation material for an additional two work days. Pulled bottom-hole drilling and cleanout assembly.

Ran bottom-hole drilling and cleanout assembly equipped with a side-port jet-wash sub. Jet washed with foam, from 3000' to 3335'. Ran bottom-hole assembly to 3600'. Cleaned out an additional 4' of fill. Pulled bottom-hole drilling and cleanout assembly.

Ran 23-jt (792'), 4 1/2" O.D., 11.6 lb/ft flush-joint liner. Landed bottom of liner at 3586', with top of liner at 2794'. Ran 2 7/8" O.D. work string and 5 1/2" Model "C" packer. Set packer at 2655'. Squeezed liner into place, at an average cementing rate of 10 BPM and average cementing pressure of 3600 psi, with 383 bbls of cement slurry consisting of 500 sx of API Class "C" cement containing 2.5% CaCl<sub>2</sub>, followed by 1200 sx of API Class "C" cement containing 2.5% CaCl<sub>2</sub>, 3 lb/sx Gilsonite, 0.25 lb/sx Flocele, followed by 100 sx of API Class "C" cement containing 1.5% CaCl<sub>2</sub>, 3 lb/sx Gilsonite, 0.25 lb/sx Flocele. Displaced cement, in stages, with 13.25 bbls of water. Final displacement pressure = 4000 psi. Released pressure, with no flowback. Pulled 2 7/8" O.D. work string and 5 1/2" Model "C" packer.

Tied onto 2" O.D. riser. Cemented 10 3/4" x 5 1/2" annular area, between replacement casing segments.

Installed 5 1/2" cementing head. Cemented down 5 1/2" O.D. casing, at an average cementing rate of 10 BPM and average pump pressure of 1100 psi, with 240 bbls of cement slurry consisting of



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1000 sx of API Class "C" cement containing 3% CaCl<sub>2</sub>, 5 lb/sx Gilsonite, 0.25 lb/sx Flocele. Displaced top of cement to 300', with 7 bbls of water.

ISIP	=	390 psi
1-min SIP	=	318 psi
2-min SIP	=	314 psi

Ran 236' bottom-hole drilling assembly consisting of 4 3/4" bit and (8) 3 1/2" O.D. drill collars. Drilled cement from 333' to 464'. Fell out of cement at 464'.

Lowered bottom-hole drilling assembly. Tagged cement at 2544'. Drilled hard cement from 2544' to 2794' (top of 4 1/2" O.D. flush-joint liner). Circulated hole clean. Pulled and laid down 236' bottom-hole drilling assembly.

Ran 182' bottom-hole drilling assembly consisting of 3 7/8" blade bit and (6) 3 1/8" O.D. drill collars. Drilled cement inside of 4 1/2" O.D. liner, from 2794' to 3580'. Circulated hole clean. Pulled and laid down 182' bottom-hole drilling assembly.

Ran 5 1/2" casing scraper to 2794'. Pulled 5 1/2" casing scraper.

Ran 4 1/2" casing scraper to 3580'. Pulled 4 1/2" casing scraper.

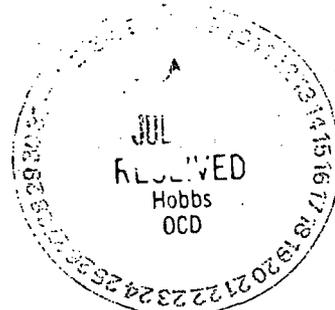
Rigged up Schlumberger. Logged well with SAS-CNL-GR-CCL log and VDCBL-GR-CCL log. Bond log documented that production casing was totally cemented, from surface to 3580', with excellent bonding from 290' to 1178'.

Ran 2 3/8" O.D. tubing and 5 1/2" Model "C" packer. Pressure tested wellbore, from 2732' to 3580', to 3500 psi, for 20 minutes. Pressure held okay. Pulled 5 1/2" Model "C" packer.

Ran 2 3/8" O.D. open-ended tubing to 3564'. Blew hole dry. Pulled 2 3/8" O.D. tubing.

Rigged up Capitan Corporation wireline truck. Perforated Jalmat interval, with 3 1/8" O.D. casing gun, with (22) 0.37" x 19" holes, with one shot each at:

3016	3040	3062	3080	3106
3020	3043	3066	3094	3113
3024	3052	3070	3097	
3028	3056	3073	3100	
3035	3059	3077	3103	



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Ran 2 3/8" O.D. tubing and 4 1/2" Model "C" packer to 3129'. Spotted acid across and above perms, by pumping 2 bbls of 2% KCl water, followed by 150 gal of 15% MCA acid, followed by 0.5 bbl of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 4 1/2" Model "C" packer at 2972'. Pumped an additional 800 gal of 15% MCA acid down 2 3/8" O.D. tubing. Let acid soak for 30 minutes.

Acidized perms, from 3016' to 3113', with an additional 5250 gals (total of 6200 gals) of 15% MCA acid, at an average treating rate of 4.0 BPM, and average treating pressure of 1404 psi.  $P_{max} = 1658$  psi.

ISIP	=	364 psi
1-min SIP	=	39 psi
2-min SIP	=	0 psi

Pulled 2 3/8" O.D. tubing and 4 1/2" Model "C" packer.

Ran and landed 2 3/8" O.D. tubing at 3417' (111 jts @ 30.56'/jt + 1.1' SN + 18' MA + 2' AGL + 8' KBC = 3417.26'). Ran 3/4" API class "KD" rod string and 2" x 1 1/4" x 12' RHAC insert pump. Placed well on production, on 5-29-03, at 6.25 SPM x 64" x 1 1/4".

Moved in and rigged up well service unit on 6-8-03. Pulled rods and 2 3/8" O.D. tubing.

Ran 3 1/2" O.D., 9.3 lb/ft, N-80 frac string and 5 1/2" O.D. Perma-Latch full-bore packer. Set packer at 2767'.

Rigged up Halliburton. Performed CO<sub>2</sub> foam frac with 199,060 gal of gelled water and CO<sub>2</sub> (54.2% CO<sub>2</sub>) and 450,000 lb of frac sand (10% 20/40, 15% 10/20, 75% 8/16).

Cleaned up well to blowdown tank, for 19.5 hours. Killed well. Pulled and laid down 3 1/2" O.D. frac string.

Ran 2 3/8" O.D. production string. Tagged top of frac sand at 3080'. Hooked up high-volume air-foam circulating units. Cleaned out frac sand to 3580'.

Raised and landed bottom of 2 3/8" O.D. tubing at 3417' (111 jts @ 30.56'/jt + 1.1' SN + 18' MA + 2' AGL + 8' KBC = 3417.26'). Made up tubinghead. Ran 3/4" API Class "KD" rod string and 2" x 1 1/4" x 12' RHAC insert pump. Returned well to active producing status at 11:30 A.M., CDT, 6-13-03, at 6.25 SPM x 64" x 1 1/4".

