

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 ☒ 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 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

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☒ Casing Repair & Cement Repair  
☒ Altering Casing (Install 4 1/2" O.D. FJL)  
☒ Other Cement open-hole interval to isolate individual Jalmat strata
- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☒ Winter Shut-Off  
☐ Conversion to Injection  
☐ 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:

1. Set CIBP at 2850', with 40' of cement on top of plug (open-hole Jalmat strata was not squeezed).
2. Set 25 sx cement plug from 1167' to 1322'.
3. 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

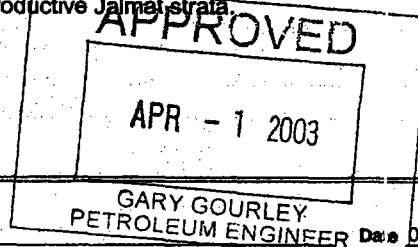
(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



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.

\*See Instruction on Reverse Side

GWW

**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%  $\text{CaCl}_2$ , 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 TRIPLICATE\*  
(Instructions on reverse side)

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**BUREAU OF LAND MANAGEMENT**

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

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

<b>1a. TYPE OF WORK</b> <b>DRILL</b> <input type="checkbox"/> <b>Re-enter &amp; Deepen</b> <input checked="" type="checkbox"/>		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> LC-030556 (A)
<b>b. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b>
<b>2. NAME OF OPERATOR</b> Doyle Hartman		<b>7. UNIT AGREEMENT NAME</b>
<b>3. ADDRESS AND TELEPHONE NO.</b> 500 N. Main St., Midland, TX 79701, (915) 684-4011		<b>8. FARM OR LEASE NAME, WELL NO.</b> Stevens A-35 No. 2
<b>4. LOCATION OF WELL</b> (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)		<b>9. API WELL NO.</b> 30-025-09467
<b>14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*</b> Approximately 9.5 miles Northwest of Jai, NM		<b>10. FIELD AND POOL, OR WILDCAT</b> Jalmat (T-Y-7R)
<b>15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT</b> (Also measure and report, if any)		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> Sec. 35, T-23-S, R-36-E
<b>16. NO. OF ACRES IN LEASE</b> 280		<b>12. COUNTY (OR PARISH)</b> Lea
<b>17. NO. OF ACRES ASSIGNED TO THIS WELL</b> 280		<b>13. STATE</b> NM
<b>18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.</b>		<b>20. ROTARY OR CABLE TOOLS</b> Rotary
<b>19. PROPOSED DEPTH</b> 3700'		<b>22. APPROX. DATE WORK WILL START*</b> 05/10/03
<b>21. ELEVATIONS</b> (Show whether DP, RT, GR, etc.) 3561' GR		

**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'	Squeeze: 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.

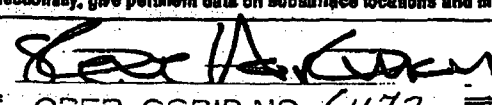
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IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical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

24.

SIGNED		TITLE	Engineer	DATE	04/09/2003
(This is)	OPER. OGRID NO. 6473	<b>APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED</b>			
PERMIT	PROPERTY NO. 30994				
Applicatio	POOL CODE 79240				
CONDITN	EFF. DATE 5-6-03				
	API NO. 30-025-09467				
	is/ Mary J. Rugwell				
APPROVED BY:		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 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

002

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 30984	Property Name Stevens "A-35" Com	Well Number 2
OGRI No. 6473	Operator Name Doyle Hartman	Elevation 3361' GR

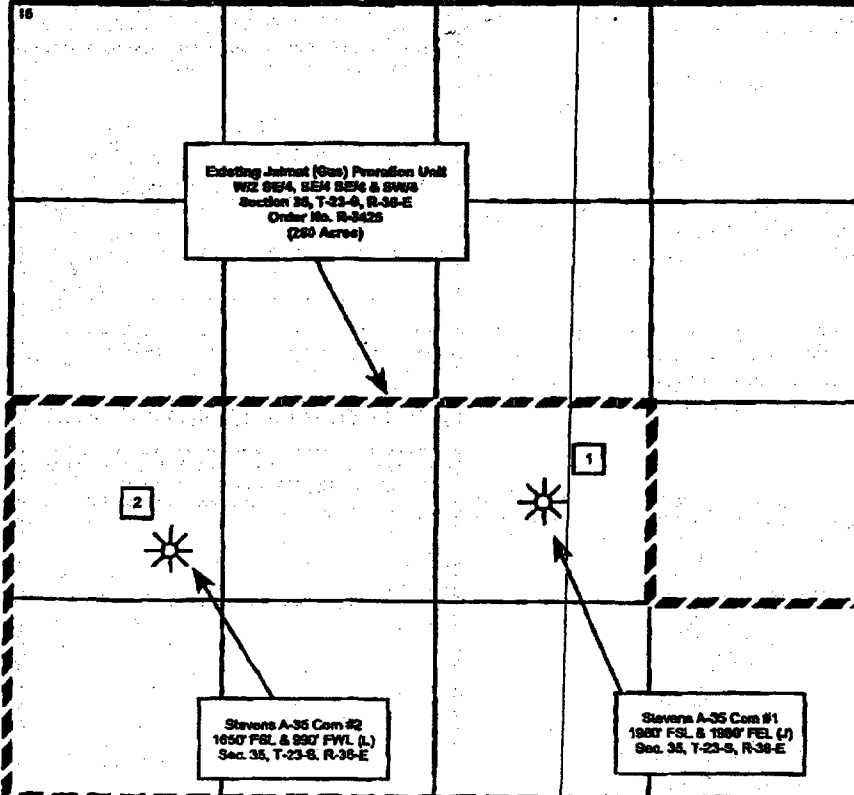

Surface Location

UL or lot no.	Section	Township	Range	Lot No.	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 No.	Feet from the	North/South line	Feet from the	East/West Line	County
Dedicated Acres 280	Joint or in/lt Y	Consolidation Code	Order No. NMOC Order R-3425						

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> 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: _____ Certificate 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

UL or lot no. L	Section 35	Township 23S	Range 36E	Lot Idn	Feet from the 1650	North/South Line South	Feet from the 990	East/West line West	County Lea
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<sup>11</sup> Bottom Hole Location

UL 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				

III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID 020809	<sup>19</sup> Transporter Name and Address Sid Richardson 201 Main Street Ft. Worth, TX 76102	<sup>20</sup> POD 2835158	<sup>21</sup> O/G G	<sup>22</sup> POD ULSTR Location and Description 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> PBTD 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 05/06/1949	<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

<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

OIL CONSERVATION DIVISION

Approved by:

Title: PETROLEUM ENGINEER

Approval Date:

JUL 02 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

Return of previously abandoned Jalmat well to active producing status

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

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

All distances must be from the center 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' South 2- 1650' East</i>						
Dedicated Acreage: <i>280</i> Acres						
Producing Formation <i>Gulf - Santa Rita</i>						
Pool <i>Jalmat Area</i>						

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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?

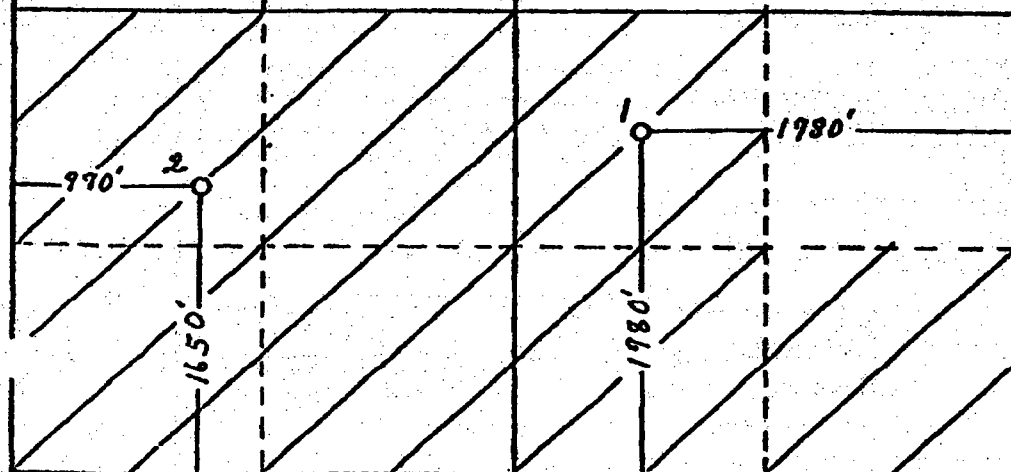
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

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.

NMOCC Order No. R-3425

Returned previously abandoned  
Stevens "A-35" Com No. 2  
Jalmat well to active producing  
status on 6-13-03



CERTIFICATION

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

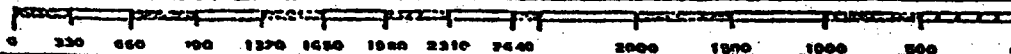
Name  
*Robert Gault III*  
Position  
*Adm. Sec. Chief*  
Company  
*Continental Oil Co.*  
Date  
*June 14, 1968*

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

Certification 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

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

**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

At total depth

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

GARY GOURLEY  
PETROLEUM ENGINEER

TEST WITNESSED BY  
Don Mashburn

JUN 19 2003  
DATE 06/17/2003  
Hobbs  
OCD

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

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

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

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

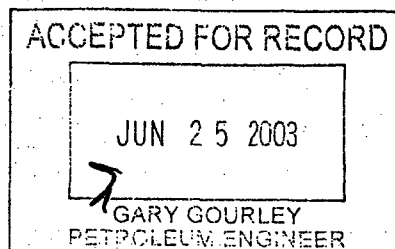
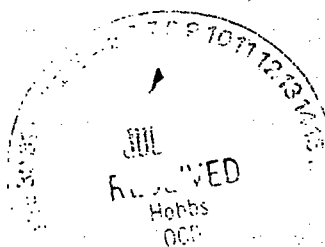
- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☒ Casing Repair & Cement Repair  
☒ Altering Casing (Install 4 1/2" O.D. FJL)  
☒ Other Returned Abandoned Jalmat  
Well to Active Producing Status

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☒ Water Shut-Off  
☐ Conversion to Injection  
☐ 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 [Signature]  
(This space for Federal or State office use)

Title Engineer

Date 06/17/2003

Approved by  
Conditions of approval, if any:

Title

Date

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.

\*See Instruction on Reverse Side

GWN

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Doyle Hartman  
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%  $\text{CaCl}_2$ , 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.

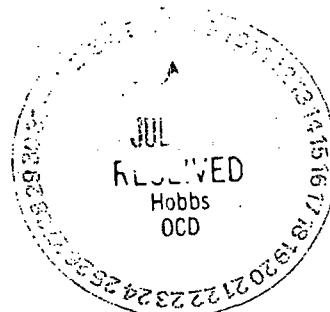
Rigged up Schlumberger. Logged well with SAS-CNL-GR-CCL log and VDCBL-GR-CCL log. Bond log documented that production casing was totally cemented, from surface to 3580', with excellent bonding from 290' to 1178'.

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 perfs, 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 perfs, 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".