



July 6, 2006

New Mexico Oil Conservation Division  
Attn: Mr. Michael Stogner  
1220 South St. Francis Drive  
Santa Fe, NM 87504

**RE: *David H. Arrington Oil & Gas, Inc., Application to amend Administrative Approval of an Unorthodox Well, Administrative Order-4544A for the Green Wooley Booger Federal "5", Well #1, located 2330 feet FSL and 860 feet FWL of Section 5, T19S, R24E, NMPM, Eddy County, New Mexico***

Dear Mr. Stogner,

David H. Arrington Oil & Gas, Inc. received approval by Administrative Order NSL-4544 on January 31, 2001 to drill the referenced well (Order attached). We submitted a request to amend this order for a re-entry to attempt a completion in the Wildcat (Wolfcamp) gas pool (Order attached). The well was re-entered and completed on 3-7-2006 (copy of completion attached). It was completed in the Wildcat; Cisco, and turned out to be an oil well instead of gas.

As per Bryan Arrant with the Oil Conservation Division in the Artesia District Office, this well requires a Non-Standard designation due to the location with Unit Letter L with the well turning out to be oil instead of gas. To the best of my knowledge no further perforations or treatments are anticipated that would affect the GOR.

This well is encroaching only upon Arrington acreage. No adjoining or diagonal spacing units should be affected by this location so as per Rule 1207 A, there are no affected persons. The spacing unit is covered by one federal oil and gas lease and all ownership in the proposed spacing unit is common.

Please see attached a copy of the initial Form C-102 submitted with the prior application as per Administrative Order NSL-4544, along with the amended "oil" C-102.

Please let me know if you need further information in order to approve the addition/amendment to the Cisco oil pool. Thank you.

Yours truly,



Ann E. Ritchie, Regulatory Agent  
**David H. Arrington Oil & Gas, Inc.**  
c/o P.O. Box 953  
Midland, TX 79702  
432 684-6381/682-1458-fax  
ann.ritchie@wtor.net



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**  
Governor  
Jennifer A. Salisbury  
Cabinet Secretary

January 31, 2001

**Lori Wrotenberg**  
Director  
Oil Conservation Division

David H. Arrington Oil & Gas, Inc.  
c/o William F. Carr  
Holland & Hart L.L.P. and Campbell & Carr  
P. O. Box 2208  
Santa Fe, New Mexico 87504-2208

Telefax No. (505) 983-6043

*Administrative Order NSL-4544*

Dear Mr. Carr:

Reference is made to the following: (i) your application on behalf of the operator, David H. Arrington Oil & Gas, Inc. ("Arrington"), dated December 29, 2000; and (ii) the records of the New Mexico Oil Conservation Division ("Division") in Santa Fe: all concerning Arrington's request for its proposed Green Wooley [sic] Booger Federal "5" Well No. 1 to be drilled at an unorthodox Cisco gas well location 2330 feet from the South line and 860 feet from the West line (Unit L) of Section 5, Township 19 South, Range 24 East, NMPM, Eddy County, New Mexico.

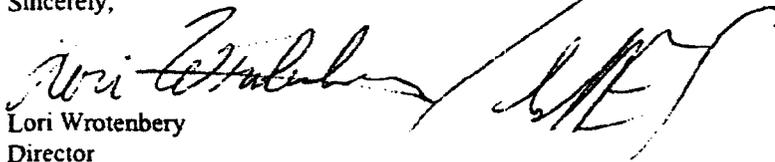
Lots 3 and 4, the S/2 NW/4, and the SW/4 (W/2 equivalent) of Section 5 is to be dedicated to this well in order to form a standard 321.22-acre stand-up gas spacing and proration unit for the Undesignated Antelope Sink-Upper Pennsylvanian Gas Pool.

This application has been duly filed under the provisions of Division Rule 104.F, revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

The geologic interpretation submitted with this application indicates that a well drilled at the proposed unorthodox gas well location will be at a more favorable geologic position within the lower portion of the Cisco formation than a well drilled at a location considered to be standard within the proposed unit.

By the authority granted me under the provisions of Division Rule 104.F (2), the above-described unorthodox gas well location within the Undesignated Antelope Sink-Upper Pennsylvanian Gas Pool is hereby approved.

Sincerely,

  
Lori Wrotenberg  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Carlsbad





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

July 13, 2005

**Mark E. Fesmire, P.E.**

Director

Oil Conservation Division

**David H. Arrington Oil & Gas, Inc.**  
c/o **Ann E. Ritchie, Regulatory Agent**  
*ann.ritchie@wtor.net*  
**P. O. Box 953**  
**Midland, Texas 79702**

*Administrative Order NSL-4544-A*

Dear Ms. Ritchie:

Reference is made to the following: (i) your application dated June 16, 2005 (*administrative application reference No. pSEM0-517935448*) and filed on behalf of the operator, David H. Arrington Oil & Gas, Inc. ("Arrington"), with the New Mexico Oil Conservation Division ("Division") on June 27, 2005; and (ii) the records of the New Mexico Oil Conservation Division ("Division") in Santa Fe, including the file on Division Administrative Order NSL-4544: all concerning Arrington's request for an unorthodox Wolfcamp gas well location within a proposed 321.22-acre standard stand-up gas spacing unit comprising Lots 3 and 4, the S/2 NW/4, and the SW/4 (W/2 equivalent) of Section 5, Township 19 South, Range 24 East, NMPM, Eddy County, New Mexico.

This unit is to be dedicated to Arrington's plugged and abandoned Green Wooley-Booger Federal "5" Well No. 1 (API No. 30-015-31498) located 2330 feet from the South line and 860 feet from the West line (Unit L) of Section 5.

Your application has been duly filed under the provisions of Division Rules 104.F and 1207.A (2).

It is the Division's understanding that Arrington initially drilled this well in 2001 to a total depth of 8,610 feet and was subsequently completed in the Antelope Sink-Upper Pennsylvanian Gas Pool (70520) at an unorthodox gas well location (approved by Division Administrative Order NSL-4544, dated January 31, 2001) within a standard 321.22-acre stand-up gas spacing unit also comprising the W/2 equivalent of Section 5. In May, 2003 this well was plugged and abandoned.

It is our understanding that Arrington now intends to reenter this well to test the Wolfcamp formation for wildcat gas production.

By the authority granted me under the provisions of Division Rule 104.F (2), the above-described unorthodox Wolfcamp gas well location for the Green Wooley-Booger Federal "5" Well No. 1 is hereby approved.

David H. Arrington Oil & Gas, Inc.  
July 13, 2005  
Page 2

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Division Administrative Order NSL-4544-A

Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mark E. Fesmire / MEF".

Mark E. Fesmire, P. E.  
Director

MEF/ms

cc: New Mexico Oil Conservation Division – Artesia  
U. S. Bureau of Land Management – Carlsbad  
File: NSL-4544

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1. a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other \_\_\_\_\_

2. Name of Operator  
DAVID H. ARRINGTON OIL & GAS INC

3. Address PO BOX 2071 MIDLAND TX 79702 3.a. Phone No. (Include area code) (432)682-6685

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At Surface 2330' FSL & 860' FWL  
 At top prod. interval reported below 2330' FSL & 860' FWL  
 At total depth 2330' FSL & 860' FWL

5. Lease Serial No. NMNM103591

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

8. Lease Name and Well No. GREEN WOOLEY BOOGER FED 5

9. API Well No. 30-015-31498

10. Field and Pool, or Exploratory WILDCAT: CISCO

11. Sec., T., R., M., on Block and Survey or Area SEC 5-T192-R24E-L

12. County or Parish EDDY 13. State NM

14. Date Spudded 06/07/2005 15. Date T.D. Reached 08/15/2005 16. Date Completed  D & A  Ready to Prod. 03/07/2006

17. Elevations (DF, RKB, RT, GL)\* 3768' GL, 3785' DF, 3786' KB

18. Total Depth: MD 8610' TVD 19. Plug Back T.D.: MD 5000' TVD 20. Depth Bridge Plug Set: MD 6146, 5000 TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each) NA

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	CONDUCTOR		SURFACE	345		WELDED			
12 1/4	8 5/8	32#		1336		805 SXS		SURFACE	CIRC 150 SX TO PIT
7 7/8	5 1/2	17#		8610		1775 SXS		3800	PIT
									CIRC 15 SX TO PIT

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8	4939'	NA						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MORROW	8258	8271	5025-5035	NA	20	non-productive-PLUGGED
B) MORROW	8134	8142	4776-4919	NA	60	PRODUCING
C) LOWER CISCO	6496	6640				
D) MIDDLE CISCO	6382	6430				

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5025-35	5000 GAL 15% NEFE HCL + CIBP SET @ 5000' W/ 2 SX CMT
4776-4919	FRAC W/ 1825 BBLs & 83520# WHITE SAND AND 23280# SLC SAND
6146'	CIBP SET W/ 2 SX CMT

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD  
 JUN 29 2006  
 GARY GOURLEY  
 PETROLEUM ENGINEER

(See Instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/10/2006	03/23/06	24	→	22	TSTM	23	52.6	NA	PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
NA	60	0	→	22	TSTM	23	NA	PRODUCING	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

USED FOR FUEL

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
ABO SHALE	3700	3840	SHALE		
ABO CARB	3840	4766	DOLOMITE		
WOLFCAMP	4766	6146	LIME, SHALE		

32. Additional remarks (include plugging procedure):

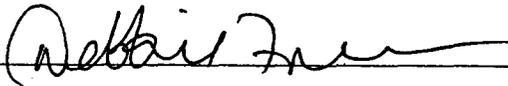
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)  
  Geological Report  
  DST Report  
  Directional Survey  
 Sundry Notice for plugging and cement verification  
  Core Analysis  
  Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) DEBBIE FREEMAN

Title ENGINEER TECH

Signature 

Date 06/19/2006

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT I  
 P. O. Box 1980  
 Hobbs, NM 88241-1980

State of New Mexico  
 Energy, Minerals, and Natural Resources Department

Form C-102  
 Revised 02-10-94

Instructions on back

DISTRICT II  
 P. O. Drawer DD  
 Artesia, NM 88211-0719

**OIL CONSERVATION DIVISION**  
 P. O. Box 2088  
 Santa Fe, New Mexico 87504-2088

Submit to the Appropriate  
 District Office  
 State Lease - 4 copies  
 Fee Lease - 3 copies

DISTRICT III  
 1000 Rio Brazos Rd.  
 Aztec, NM 87410

AMENDED REPORT

DISTRICT IV  
 P. O. Box 2088  
 Santa Fe, NM 87507-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

* API Number 30-015-31498		* Pool Code	* Pool Name Wildcat; Cisco (oil)
* Property Code	* Property Name GREEN WOOLEY-BOOGER FEDERAL '5'		* Well Number 1
* OGRID No. 5898	* Operator Name DAVID H. ARRINGTON OIL & GAS, INC.		* Elevation 3768'

**" SURFACE LOCATION**

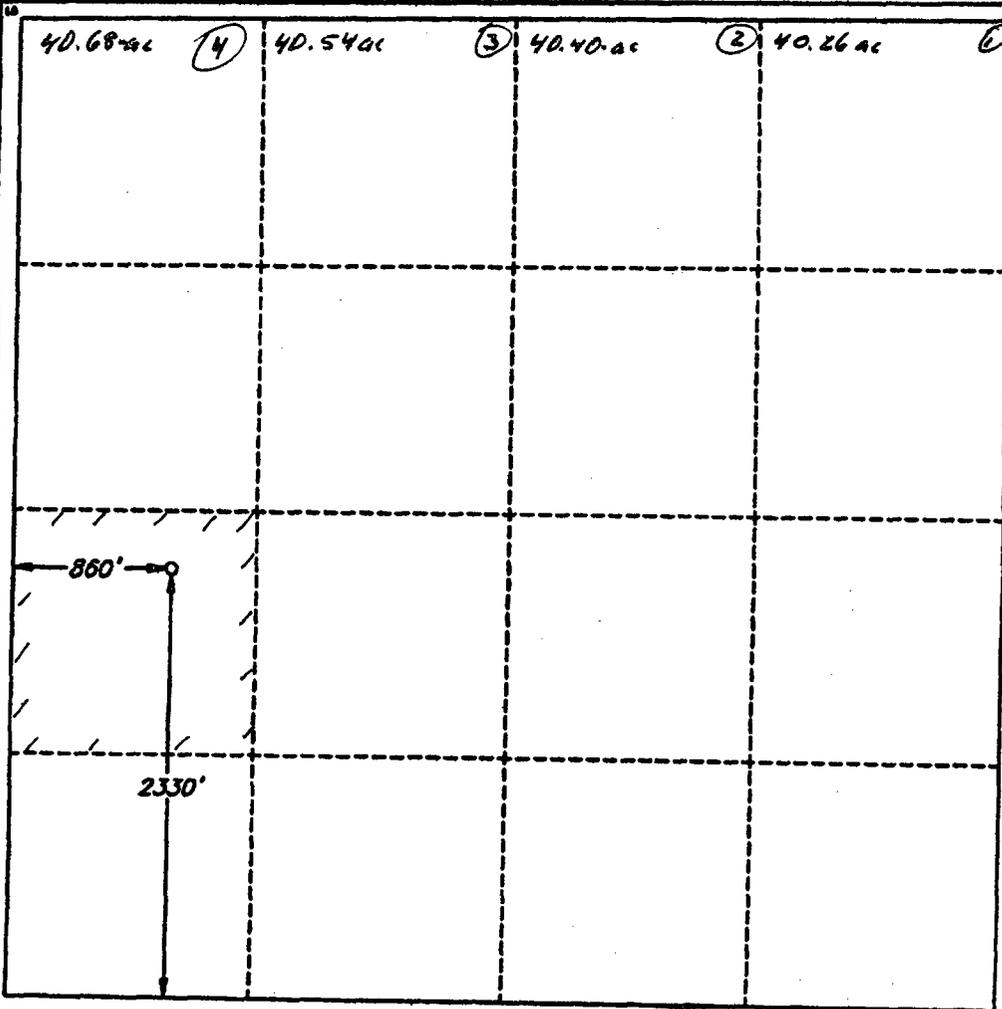
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	5	19 SOUTH	24 EAST, N.M.P.M.		2330'	SOUTH	860'	WEST	EDDY

**"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE**

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

** Dedicated Acres 40	** Joint or Infill	** Consolidation Code	** Order No. NSL-4544 (A)
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



**OPERATOR CERTIFICATION**

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

Signature: *Ann E. Ritchie*  
 Printed Name: ANN E. RITCHIE  
 Title: Regulatory Agent  
 Date: 7-3-06

**SURVEYOR CERTIFICATION**

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.

Date of Survey: NOVEMBER 15, 2000  
 Signature and Seal of Professional Surveyor: *V. L. Reznor*  
 Certificate No.: V. L. REZNER R.P.S. #7920  
 JOB #72753 / 76 NE / JCP

**DISTRICT II**  
P. O. Drawer DD  
Artesia, NM 88211-0719

**OIL CONSERVATION DIVISION**  
P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

**DISTRICT III**  
1000 Rio Brazos Rd.  
Aztec, NM 87410

AMENDED REPORT

**DISTRICT IV**  
P. O. Box 2088  
Santa Fe, NM 87507-2088

**WELL LOCATION AND ACREAGE DEDICATION PLAT** *(well drilled & P.A'd by David Arrington Oil & Gas, Inc.)*

1 API Number		2 Pool Code		3 Pool Name <i>Antelope Sink Marrow</i>	
4 Property Code		5 Property Name <i>GREEN VALLEY - BOGGER FEDERAL '5'</i>			6 Well Number 1
7 OGRID No.		8 Operator Name DAVID H. ARRINGTON OIL & GAS, INC.			9 Elevation 3768'

**10 SURFACE LOCATION**

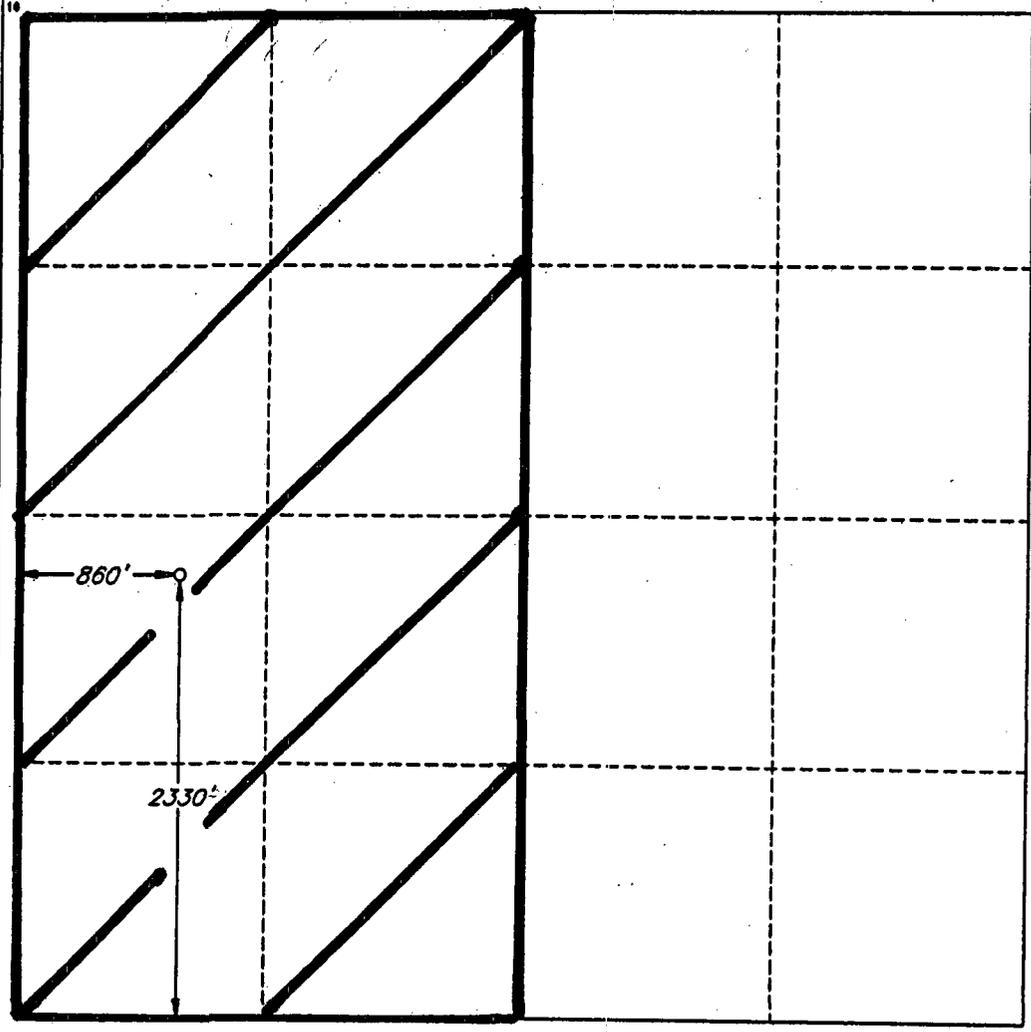
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
L	5	19 SOUTH	24 EAST, N.M.P.M.		2330'	SOUTH	860'	WEST	EDDY

**11 BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE**

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

12 Dedicated Acres <i>320</i>	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



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

Signature: *[Signature]*  
Printed Name: *Bill Baker Jr*  
Title: *Exploration Manager*  
Date: *11-19-00*

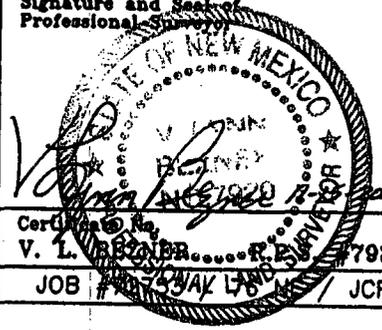
**SURVEYOR CERTIFICATION**  
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

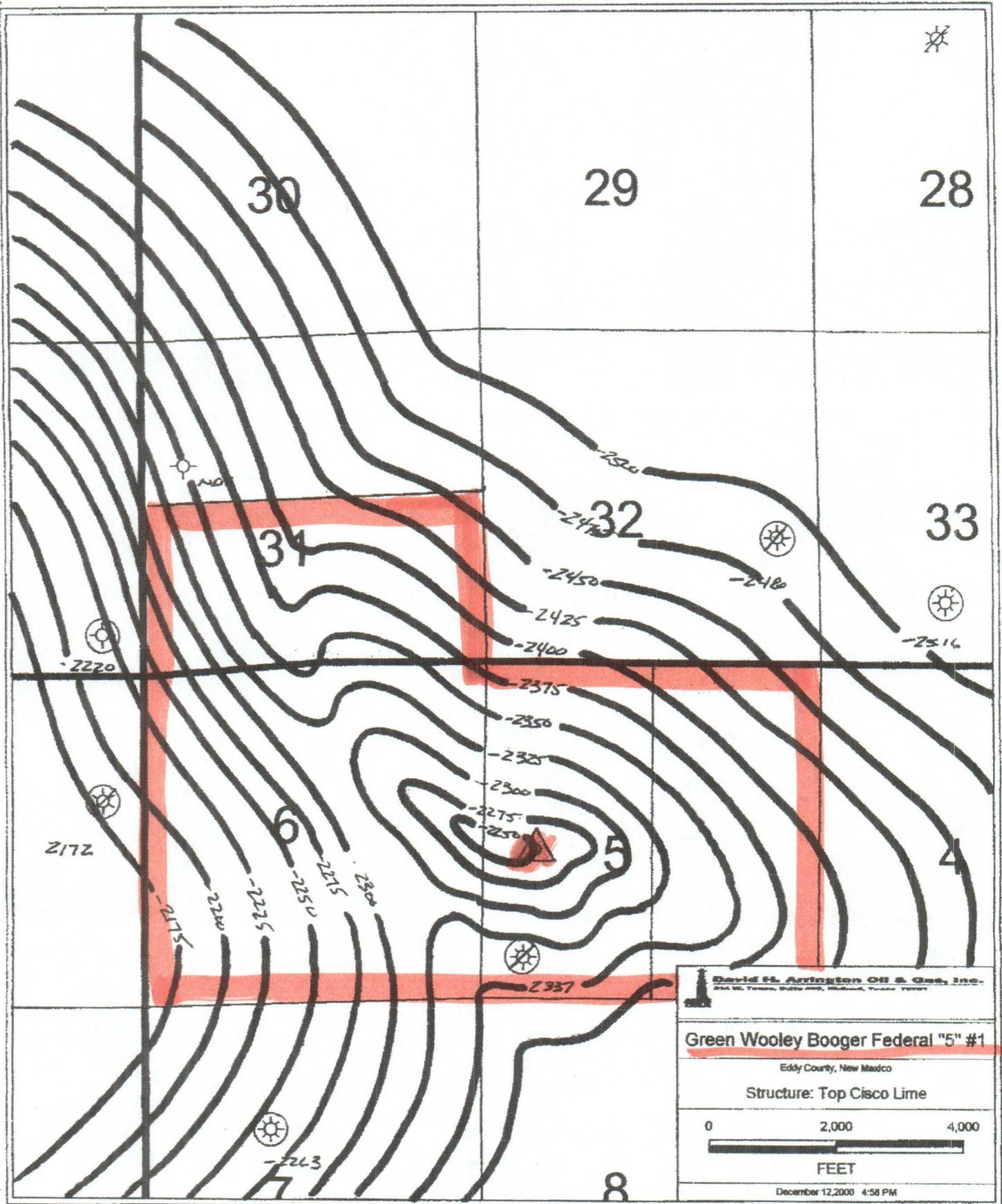
Date of Survey  
**NOVEMBER 13, 2000**

Signature and Seal of Professional Surveyor  
*[Signature]*

Certificate No.  
V. L. 182008  
7920

JOB # *175 WAK LAB* / JCP







District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources



Form C-104  
Revised June 10, 2003

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit to Appropriate District Office  
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address <b>DAVID H. ARRINGTON OIL &amp; GAS INC PO BOX 2071 MIDLAND, TX 79702</b>		<sup>2</sup> OGRID Number <b>5898</b>
		<sup>3</sup> Reason for Filing Code/ Effective Date <b>RC 3/6/06</b>
<sup>4</sup> API Number <b>30 -015-31498</b>	<sup>5</sup> Pool Name <b>WILDCAT;</b>	<sup>6</sup> Pool Code <b>96542</b>
<sup>7</sup> Property Code <b>26995</b>	<sup>8</sup> Property Name <b>GREEN WOOLEY BOOGER FEDERAL 5</b>	<sup>9</sup> Well Number <b>1</b>

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

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
<b>L</b>	<b>5</b>	<b>19S</b>	<b>24E</b>		<b>2330</b>	<b>SOUTH</b>	<b>860</b>	<b>WEST</b>	<b>EDDY</b>

<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 <b>F</b>	<sup>13</sup> Producing Method Code <b>PUMPING</b>	<sup>14</sup> Gas Connection Date	<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
<b>034053</b>	<b>PLAINS MARKETING, LP Three Allen Center, 333 Clay St, Ste 1600 Houston, TX 77002</b>		<b>O</b>	<b>UNIT L, SEC 5, T19S, R24E EDDY COUNTY, NM</b>

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
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V. Well Completion Data

<sup>25</sup> Spud Date <b>06/07/2005</b>	<sup>26</sup> Ready Date <b>03/07/2006</b>	<sup>27</sup> TD <b>8610' MD</b>	<sup>28</sup> PBTD <b>5000' MD</b>	<sup>29</sup> Perforations <b>4776-4919'</b>	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing & Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		
<b>12 1/4</b>	<b>CONDUCTOR</b>	<b>345</b>	<b>WELDED</b>		
<b>12 1/4</b>	<b>8 5/8</b>	<b>1336</b>	<b>805 SX</b>		
<b>7 7/8</b>	<b>5 1/2</b>	<b>8610</b>	<b>1775 SX</b>		

VI. Well Test Data

<sup>35</sup> Date New Oil <b>03/23/2006</b>	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date <b>03/23/2006</b>	<sup>38</sup> Test Length <b>24 HRS</b>	<sup>39</sup> Tbg. Pressure <b>60</b>	<sup>40</sup> Csg. Pressure <b>0</b>
<sup>41</sup> Choke Size <b>NA</b>	<sup>42</sup> Oil <b>22</b>	<sup>43</sup> Water <b>23</b>	<sup>44</sup> Gas <b>0</b>	<sup>45</sup> AOF	<sup>46</sup> Test Method <b>PUMPING</b>

<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: <i>Debbie Freeman</i> Printed name: <b>DEBBIE FREEMAN</b> Title: <b>ENGINEER TECH</b> E-mail Address: <b>DEBBIE@ARRINGTONOIL.COM</b> Date: <b>06/22/2006</b> Phone: <b>(432)682-6685</b>	<b>OIL CONSERVATION DIVISION</b>	
	Approved by:	
	Title:	
	Approval Date:	