

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]**  
**[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]**  
**[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]**  
**[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]**  
**[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]**  
**[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply  
 [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset Operators, Leaseholders or Surface Owner  
 [C]  Application is One Which Requires Published Legal Notice  
 [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate and complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

William F. Carr  
 Print or Type Name

William F. Carr  
 Signature

ANDREW  
 Title

JULY 30, 2001  
 Date

wcarr@westofpecos.com  
 e-mail Address

HOLLAND & HART LLP  
AND  
CAMPBELL & CARR  
ATTORNEYS AT LAW

DENVER • ASPEN  
BOULDER • COLORADO SPRINGS  
DENVER TECH CENTER  
BILLINGS • BOISE  
CHEYENNE • JACKSON HOLE  
SALT LAKE CITY • SANTA FE  
WASHINGTON, D.C.

SUITE 1  
110 NORTH GUADALUPE  
SANTA FE, NEW MEXICO 87501-6525  
MAILING ADDRESS  
P.O. BOX 2208  
SANTA FE, NEW MEXICO 87504-2208

TELEPHONE (505) 988-4421  
FACSIMILE (505) 983-6043  
www.hollandhart.com

July 31, 2001

**HAND-DELIVERED**

Lori Wrotenbery, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
1220 South Saint Francis Drive  
Santa Fe, New Mexico 87505

(30-015-31327)

Re: Application of EOG Resources, Inc. for Administrative Approval of an Unorthodox Well Location for its Starbuck "19" Federal Com Well No. 1, located 1140 feet from the North line and 1650 feet from the West line of Section 19, Township 17 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.

Dear Ms. Wrotenbery:

EOG Resources, Inc. hereby seeks administrative approval pursuant to the provisions of Division Rule 104 F (2)-(4) adopted on August 12, 1999, of an unorthodox well location for its Starbuck "19" Federal Com Well No. 1 to be recompleted from the Morrow formation to the Wolfcamp formation at an unorthodox well location 1140 feet from the North line and 1650 feet from the West line (Unit C) of Section 19, Township 17 South, Range 28 East, N.M.P.M., Eddy County, New Mexico. This well was originally drilled to a depth sufficient to test the Morrow formation. A standard 320-acre gas spacing and proration unit comprised of the W/2 of Section 19 was dedicated to the well. The well is now depleted in the Morrow formation and EOG proposes to recomplete the well as a wildcat well in the Wolfcamp formation. A standard 40-acre oil spacing and proration unit comprised of the NE/4 NW/4 will be dedicated to the well.

CL 000001-100100  
CL 000001-100100

Lori Wrotenbery, Director  
Oil Conservation Division  
New Mexico Department of Energy,  
Minerals and Natural Resources  
July 30, 2001  
Page 2

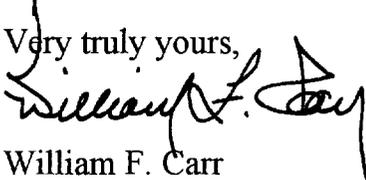
This location in the Morrow formation is unorthodox because it is governed by the Division's statewide rules which provide for wells on 40-spacing units to be located no closer than 330 feet to the outer boundary of the quarter-quarter section on which the well is located. The proposed location is unorthodox because it is 180 feet from an outer boundary of the dedicated quarter-quarter section line.

An unorthodox location for this well is required if EOG is to be able to utilize this existing wellbore to attempt to produce the reserves in the Wolfcamp formation.

Attached hereto as Exhibit A is a plat which shows the subject area, the prior 320-acre Morrow spacing unit comprised of all of the W/2 of Section 19, the proposed 40-acre Wolfcamp oil spacing unit and the proposed unorthodox location. **EOG owns 100% of the working interest in the N/2 of Section 19 and the W/2 is covered by a Joint Operating Agreement which permits all working interest owners to participate in this Wolfcamp recompletion.** All Working interest owners have executed Joint Operating Agreement. Accordingly there are no affected parties to whom notice of this application must be provided pursuant to Division Rules.

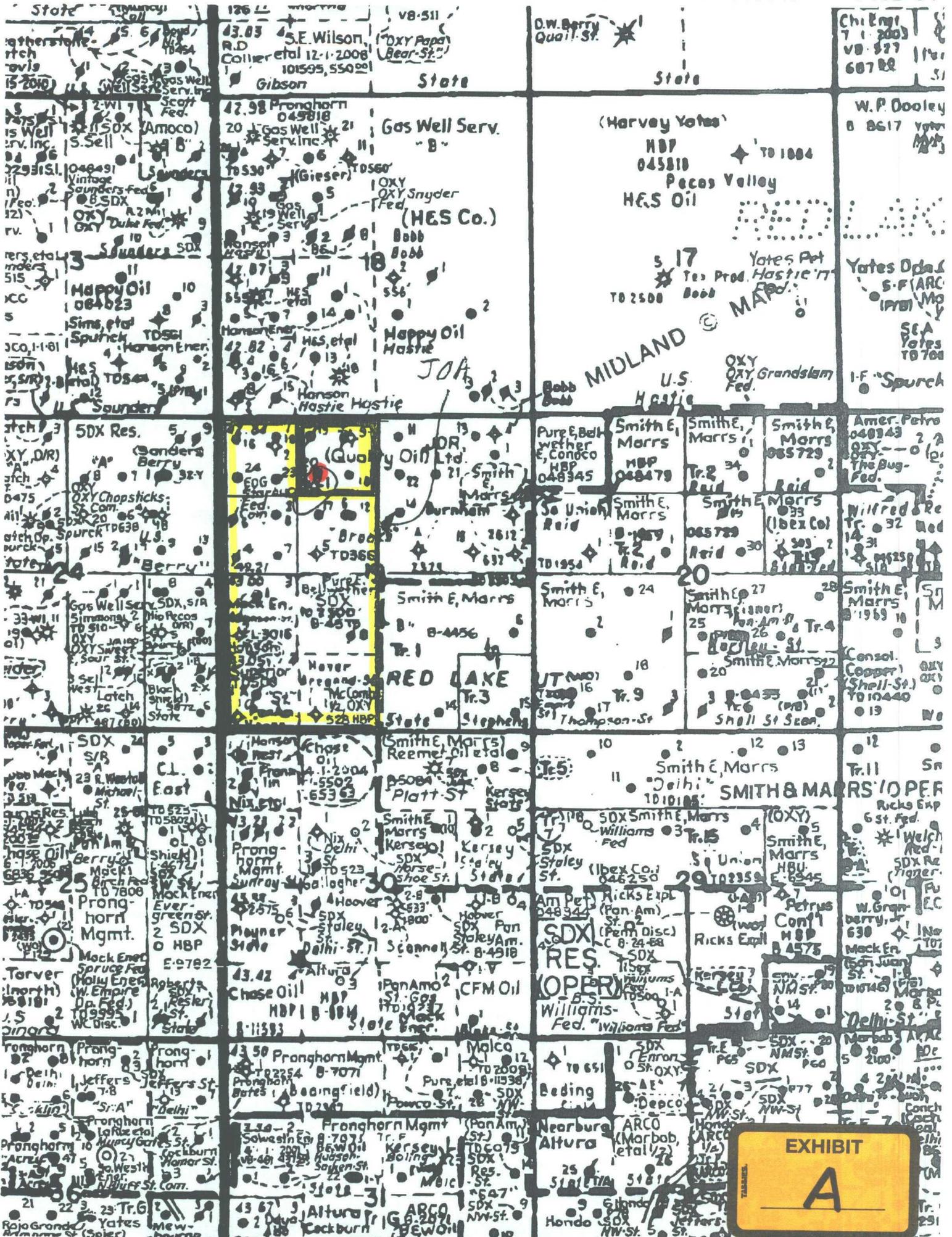
A draft order is included with this application in hard copy and on disc.

Your attention to this application is appreciated.

Very truly yours,  
  
William F. Carr  
Attorney for EOG Resources, Inc.

Enclosures

cc: Patrick J. Tower  
Barry Zinz  
EOG Resources, Inc.  
Post Office Box 2267  
Midland, Texas 79702



EOG Resources, Inc.  
Post Office Box 2267  
Midland, Texas 79705

Attention: Patrick J. Tower

*Administrative Order NSL-\_\_\_\_\_*

Dear Mr. Tower:

Reference is made to your application dated July 30, 2001 for an unorthodox well location for EOG Resources, Inc.'s Starbuck "19" Federal Com Well 1 to be recompleted from the Morrow formation as a wildcat well in the Wolfcamp formation at an unorthodox oil well location 1140 feet from the North line and 1650 feet from the West line (Unit C) of Section 19, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico.

A 40-acre spacing and proration unit in the Wolfcamp formations comprising the NE/4 NW/4 of said Section 19 is to be dedicated to said well.

By authority granted me under the provisions of Rule 104.F(2) of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10533, issued by the New Mexico Oil Conservation Commission in Case 11,351 on January 18, 1996, the above-described unorthodox well location is hereby approved.

Sincerely,

Lori Wrotenbery  
Director

cc: Oil Conservation Division - Hobbs/Artesia  
U. S. Bureau of Land Management - Carlsbad

121447461

**New Mexico Oil Conservation Division---Engineering Bureau**  
**Administrative Application Process Documentation**

**Date Application Received:** 7-31-2001

**Date of Preliminary Review:** 8-3-2001  
**(Note: Must be within 10-days of received date)**

**Results:**  **Application Complete**  **Application Incomplete**

**Date Incomplete Letter Sent:** NR

**Deadline to Submit Requested Information:** NR

**Phone Call Date:** NR  
**(Note: Only applies is requested data is not submitted within the 7-day deadline)**

**Phone Log Completed?**  **Yes**  **No**

**Date Application Processed:** 8-3-2001

**Date Application Returned:** NR  
**(Note: Only as a last resort & only after repeated attempts by the Division to obtain the necessary information to process the application)**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2884

FORM APPROVED  
OMB NO. 1004-0137  
Date: November 30, 2000

sf

1a. 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  
EOG Resources, Inc.

3. Address P.O. Box 2267, Midland, TX 79702 3a. Phone No. (include area code)  
(915)686-3714

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface 1140' FNL & 1650' FWL  
At top prod. interval reported below  
At total depth 1140' FNL & 1650' FWL

14. Date Spudded 11/24/00 15. Date T.D. Reached 12/9/00 16. Date Completed  D&A  Ready to Prod. 12/18/00

18. Total Depth: MD 9975 19. Plug Back T.D: MD 9879 20. Depth Bridge Plug Set: MD  
TVD TVD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
Daul Induction GR-Comp Z Denslog 22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit report)

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

Hole Size	Size/Grade	Wt. (#/ft)	Top (MD)	Bottom (MD)	State Cementer Depth	No of Skis & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
14-3/4"	11-3/4" H40	42		448		280 sx Premium	102	Circ	
11"	8-5/8" J55	32		1946		585 sx Interfill	225	Circ	
7-7/8"	5-1/2" N80	17		9975		1125 sx Premium	522	1650	

24. Tubing Record

Size	Depth Set	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set MD	Packer Depth (MD)
2-7/8"	(MD)	9606						
		9693						

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf Status
A) Morrow			9695-9699		24	6 SPF
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9695-9699	Naturally

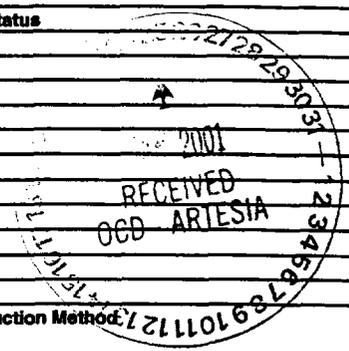
28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/18/00	1/1/01	24	→	4	1390	0			Flowing
Choke Size	Tbg. Press Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
64/64	520		→					Producing	

28a. 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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
	SI		→						

(See instructions and spaces for additional data on reverse side)



ACCEPTED FOR RECORD  
JAN 24 2001  
43  
BLM

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	Ceg. 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
Choke Size	Tbg. Press Flwg.	Ceg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

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

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of 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
				Queen	1065
				San Andres	1848
				Abo	5348
				Wolfcamp	6760
				Strawn	8735
				Atoka	9267
				Morrow Clastics	9524
				Miss Chester	9882

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other

4. 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) Mike Francis Title Agent

Signature *Mike Francis* Date 1/8/01

Under 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Well Name and Number: Starbuck "19" Fed Com #1

Location: Sec. 19, T17S, R28E, Eddy County, NM

Operator: EOG Resources, Inc.

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
1	450	1/2	5642		
3/4	763	1/4	6147		
1	1081	3/4	6650		
3/4	1586	3/4	7412		
1/2	1945	1	7919		
1/4	2453	1	8424		
1/2	2927	2	8928		
3/4	3432	1 1/2	9435		
3/4	3937	2 3/4	9941		
3/4	4538				
1/2	4632				
1/4	5139				

Drilling Contractor: McVay Drilling Company

By: Joe Hlyson J.

Subscribed and sworn to before me this 13 day of December, 2000.

Tina Hernandez  
Notary Public

My Commission Expires: 8-16-01

Lea County, New Mexico

District I  
1625 N. French Dr., Hobbs, NM 88240  
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

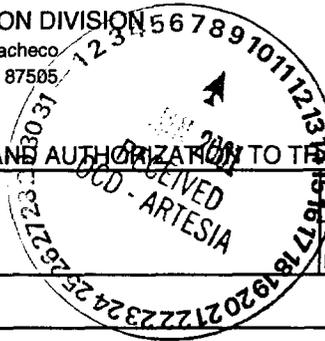
State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
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 EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		<sup>2</sup> OGRID Number 7377
<sup>4</sup> API Number 30-015-31327		<sup>3</sup> Reason for Filing Code New well (12-00)
<sup>5</sup> Pool Name Empire Penn	<sup>6</sup> Pool Code 76440	<sup>7</sup> Property Code 26610
<sup>8</sup> Property Name Starbuck "19" Federal Com	<sup>9</sup> Well Number 1	

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
C	19	17S	28E		1140	North	1650	West	Eddy

<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	<sup>14</sup> Gas Connection Date 12/22/00	<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
022507	Equilon	2827399	O	Same as surf
005097	Conoco	2827500	G	Same as surf

IV. Produced Water

<sup>23</sup> POD 2827401	<sup>24</sup> POD ULSTR Location and Description
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V. Well Completion Data

<sup>25</sup> Spud Date 11/24/00	<sup>26</sup> Ready Date 12/18/00	<sup>27</sup> TD 9975	<sup>28</sup> PBDT 9879	<sup>29</sup> Perforations 9695-9699	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size 14-3/4"	<sup>32</sup> Casing and Tubing Size 11-3/4"	<sup>33</sup> Depth Set 448		<sup>34</sup> Sacks Cement 280	
11"	8-5/8"	1946		585	
7-7/8"	5-1/2"	9975		1125	

VI. Well Test Data

<sup>35</sup> Date New Oil 12/19/00	<sup>36</sup> Gas Delivery Date 12/22/00	<sup>37</sup> Test Date 1/1/01	<sup>38</sup> Test Length 24	<sup>39</sup> Tbg. Pressure 520	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size 64/64	<sup>42</sup> Oil 4	<sup>43</sup> Water 0	<sup>44</sup> Gas 1390	<sup>45</sup> AOF	<sup>46</sup> Test Method Flowing

<sup>47</sup> I hereby certify that the rules of the Oil Conservation Division have been compiled with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Mike Francis</i> Printed Name: Mike Francis Title: Agent Date: 1/8/01 Phone: 915-686-3714	OIL CONSERVATION DIVISION Approved by: <i>Jim W. Gunn</i> Title: District Supervisor Approval Date: <b>DEC 12 2002</b>
--	---

<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
-----------------------------	--------------	-------	------

District I  
1625 N. French Dr., Hobbs, NM 88240  
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

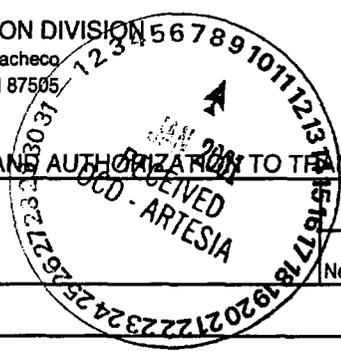
State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised March 25, 1999

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Submit to Appropriate District Office  
5 Copies

AMENDED REPORT



I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

Operator name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		OGRID Number 7377
Reason for Filing Code New well (12-00)		Pool Code 76440
API Number 30-015-31327	Pool Name Empire Penn	Well Number 1
Property Code 26610	Property Name Starbuck *19* Federal Com	

II. Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	19	17S	28E		1140	North	1650	West	Eddy

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
Lse Code	Producing Method Code	Gas Connection Date	C-129 Permit Number	C-129 Effective Date	C-129 Expiration Date				
	F	12/22/00							

III. Oil and Gas Transporters

Transporter OGRID	Transporter Name and Address	POD	O/G	POD ULSTR Location and Description
022507	Equilon	2827999	O	Same as surf
005097	Conoco	2827300	G	Same as surf

IV. Produced Water

POD 2827401	POD ULSTR Location and Description
----------------	------------------------------------

V. Well Completion Data

Spud Date 11/24/00	Ready Date 12/18/00	TD 9975	PBTD 9879	Perforations 9695-9699	DHC, MC
Hole Size	Casing and Tubing Size	Depth Set	Sacks Cement		
14-3/4"	11-3/4"	448	280		
11"	8-5/8"	1946	585		
7-7/8"	5-1/2"	9975	1125		

VI. Well Test Data

Date New Oil 12/19/00	Gas Delivery Date 12/22/00	Test Date 1/1/01	Test Length 24	Tbg. Pressure 520	Csg. Pressure
Choke Size 64/64	Oil 4	Water 0	Gas 1390	AOF	Test Method Flowing

I hereby certify that the rules of the Oil Conservation Division have been compiled with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Mike Francis*

Printed Name: Mike Francis

Title: Agent

Date: 1/8/01 Phone: 915-686-3714

OIL CONSERVATION DIVISION

Approved by: *Jim W. Gunn*

Title: District Supervisor

Approval Date: 12 2002

If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	ite
-----------------------------	--------------	-----

C-122 required for well to produce 60 days after completion



N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

ST

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 EOG Resources, Inc.

3a. Address  
 P.C. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)  
 (915)626-3714

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 1140' FNL & 1650' FWL  
 Sec 19, T17S, R28E

5 Lease Serial No.  
 LC-0503-49(A) 050349A

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

8 Well Name and No.  
 Starbuck "19" Federal Com 31

9 API Well No.  
 30-015-31227

10 Field and Pool, or Exploratory  
 Empire Penn

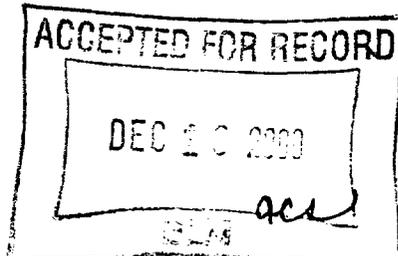
11 County or Parish, State  
 Eddy, NM

INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	5-1/2" csg

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

12/10/00 Ran 223 jts of 5-1/2" csg, 17#, N80, LTC 8rd to 9975'. Cemented as follows: 1st slurry, 875 sx 3% Econolite, 5#/sx salt, 1/4#/sx flocele, .2% HR7, weight 11.4#/gal, 2.99 cu ft/sx, 466 bbls. 2nd slurry, 250 sx Premium 50/50 POZ, .6% Halad 447, 1/4#/sx D-air 3000, .5% KCL, weight 14.2#/gal, 1.25 cu ft/sx, 56 bbls. TOC 1650'.



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

Name (Printed/Typed) Mike Francis Title Agent

Signature *Mike Francis* Date 12/13/00

FEDERAL OR STATE OFFICE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct thereon. Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

District I  
1625 N. French Dr., Hobbs, NM 88240  
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  
OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-104  
Revised March 25, 1999



Submit to Appropriate District Office  
5 Copies

AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		<sup>2</sup> OGRID Number 7377
		<sup>3</sup> Reason for Filing Code RT (12-00) 15 MMCF
<sup>4</sup> API Number 30-015-31327	<sup>5</sup> Pool Name Empire Penn	<sup>6</sup> Pool Code 7696
<sup>7</sup> Property Code 26610	<sup>8</sup> Property Name Starbuck "19" Fed Com	<sup>9</sup> Well Number 1

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
	19	17S	28E		1140	North	1650	West	Eddy

<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	<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				

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
022507	Equilon	2827399	O	Same as surface
005097	Conoco	2827400	G	Same as surface

IV. Produced Water

<sup>23</sup> POD	<sup>24</sup> POD ULSTR Location and Description
2827401	

V. Well Completion Data

<sup>25</sup> Spud Date	<sup>26</sup> Ready Date	<sup>27</sup> TD	<sup>28</sup> PBTD	<sup>29</sup> Perforations	<sup>30</sup> DHC, MC
<sup>31</sup> Hole Size	<sup>32</sup> Casing and Tubing Size	<sup>33</sup> Depth Set	<sup>34</sup> Sacks Cement		

VI. Well Test Data

<sup>35</sup> Date New Oil	<sup>36</sup> Gas Delivery Date	<sup>37</sup> Test Date	<sup>38</sup> Test Length	<sup>39</sup> Tbg. Pressure	<sup>40</sup> Csg. Pressure
<sup>41</sup> Choke Size	<sup>42</sup> Oil	<sup>43</sup> Water	<sup>44</sup> Gas	<sup>45</sup> AOF	<sup>46</sup> Test Method

<sup>47</sup>I hereby certify that the rules of the Oil Conservation Division have been compiled with and that the information given above is true and complete to the best of my knowledge and belief.  
Signature: *Mike Francis*  
Printed Name: Mike Francis  
Title: Agent  
Date: 12/22/00 | Phone: 915-686-3714

OIL CONSERVATION DIVISION  
**ORIGINAL SIGNED BY TIM W. GUM**  
DISTRICT N SUPERVISOR  
Approved by: *[Signature]*  
Title:  
Approval Date: **JAN 08 2001**

<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 \_\_\_\_\_

C-122 required for well to produce 60 days after completion

SF



N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

FORM APPROVED  
OMB NO. 1004-0135

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

Expires: November 30, 2000

5	Lease Serial No. LC-0503-49(A)
6	If Indian, Allottee or Tribe Name
7	If Unit or CA/Agreement, Name and/or No.
8	Well Name and No. Starbuck "19" Federal Com #1
9	API Well No. 30-015-31327
10	Field and Pool, or Exploratory Empire Penn
11	County or Parish, State Eddy, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG Resources, Inc.

3a. Address  
P.O. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)  
(915)686-3714

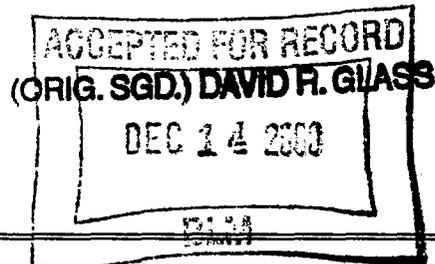
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1140' FNL & 1650' FWL  
Sec 19, T17S, R28E

INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other _____
			8-5/8" csg _____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

11/27/00 Ran 36 jts of 8-5/8" csg, 32#, J55, ST&K, 8rd and 8 jts of 8-5/8" csg, 32#, J55, ST&K to 1945'. Cemented as follows: 1st slurry, 435 sx Interfill, 1/4" pps flocele, weight 11.9#/gal, 2.46 cu ft/sx, 190 bbls. 2nd slurry, 150 sx Premium Plu, 2% CC, 14.8 #/gal, 1.32 cu ft/sx, 35 bbls. WOC 13.5 hrs. Tested csg to 1000#, OK. Circulated 15 sx to pit.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Mike Francis

Title Agent

Signature

Date

12/7/00

FEDERAL OR STATE OFFICE USE

Approved by

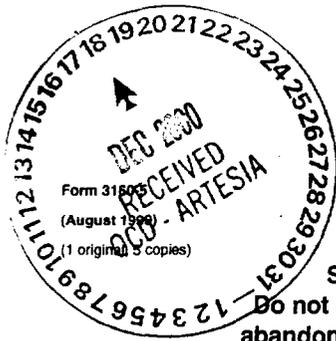
Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct thereon.

Office

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



N.M. Oil Cons. Division  
811 S. 1st Street  
Artesia, NM 88210-2834

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of well

Oil Well  Gas Well  Other

2. Name of Operator

EOG Resources, Inc.

3a. Address

P.O. Box 2267, Midland, TX 79702

3b. Phone No. (include area code)

(915)686-3714

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1140' FNL & 1650' FWL  
Sec 19, T17S, R28E

5 Lease Serial No.  
LC-0503-49(A)

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No.

8 Well Name and No.  
Starbuck "19" Federal Com #1

9 API Well No.  
30-015-31327

10 Field and Pool, or Exploratory  
Empire Penn

11 County or Parish, State  
Eddy, NM

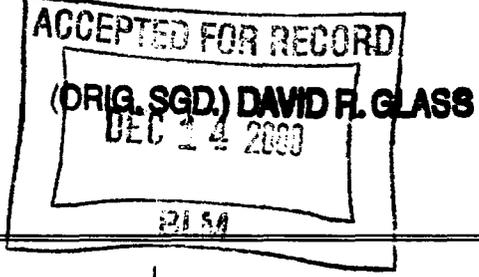
INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Disposal
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other
	11-3/4" csg

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zone. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

11/24/00 Spud well.

11/24/00 Ran 11 jts of 11-3/4" csg, 42#, H40, ST&C, 8rd to 448'. Cemented as follows: 1st slurry, 130 sx Premium Plus, 3% Econolite, 1/4 pps FC, 2% CC, weight, 11.4#/gal, 2.88 cu ft/sx, 67 bbls. 2nd slurry, 150 sx Premium Plus, 2% CC, 14.8#/gal, 1.32 cu ft/sx, 35 bbls. WOC 12 hrs. Tested csg to 500#, OK. Circulated 87 sx to pit.



14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Mike Francis

Title Agent

Signature

Date 12/7/00

FEDERAL OR STATE OFFICE USE

Approved by

Title Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct thereon.

Office

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N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2834

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Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANGEMENT



FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. LC-050349(A)
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator EOG Resources, Inc. 7277		7. If Unit or CA Agreement, Name and No. 26610
3a. Address P.O. Box 2267, Midland, TX 79702	3b. Phone No. (include area code) (915)686-3714	8. Lease Name and Well No. Starbuck "19" Fed Com No. 1
4. Location of Well (Report location clearly and in accordance with any State requirements.)  At surface 1,140' FNL & 1,650' FWL  At proposed prod. Zone same as surface UNIT C		9. API Well No. 30-015-31327
14. Distance in miles and direction from nearest town or post office*		10. Field and Pool, or Exploratory Wildcat Empire, Penn
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. Unit line, if any) 1140 same		11. Sec., T., R., M., or Blk. And Survey or Area Sec 19, T17S, R28E
16. No. of Acres in lease 325.75	17. Spacing Unit dedicated to this well W/2 320	12. County or Parish Eddy
18. Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft. 50	19. Proposed Depth 10,300'	13. State NM
20. BLM/BIA Bond No. on file NM-2308	21. Elevations (Show whether DF, KDB, RT, GL, etc) GL3597	22. Approximate date work will start* 9/1/2000
23. Estimated duration 30 days	24. Attachments	

The following completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |  |
|--|--|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above)     |
| 2. A Drilling Plan.  | 5. Operator certification.   |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office) | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mike Francis	Date 7/11/2000
Title Agent		
Approved by (Signature) (Orig. Sgd.) ARMANDO A. LOPEZ	Name (Printed/Typed) (Orig. Sgd.) ARMANDO A. LOPEZ	Date AUG 31 2000
Title Assistant Field Manager, Acres Lands And Minerals	Office ROSWELL FIELD OFFICE	APPROVED FOR 1 YEAR

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached

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(Instructions on reverse)

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised February 10, 1994  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

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

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

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

DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name Wildcat
Property Code	Property Name Starbuck 19 FED. COM	Well Number 1
OGRID No. 7377	Operator Name EOG Resources, Inc.	Elevation 3596

Surface Location

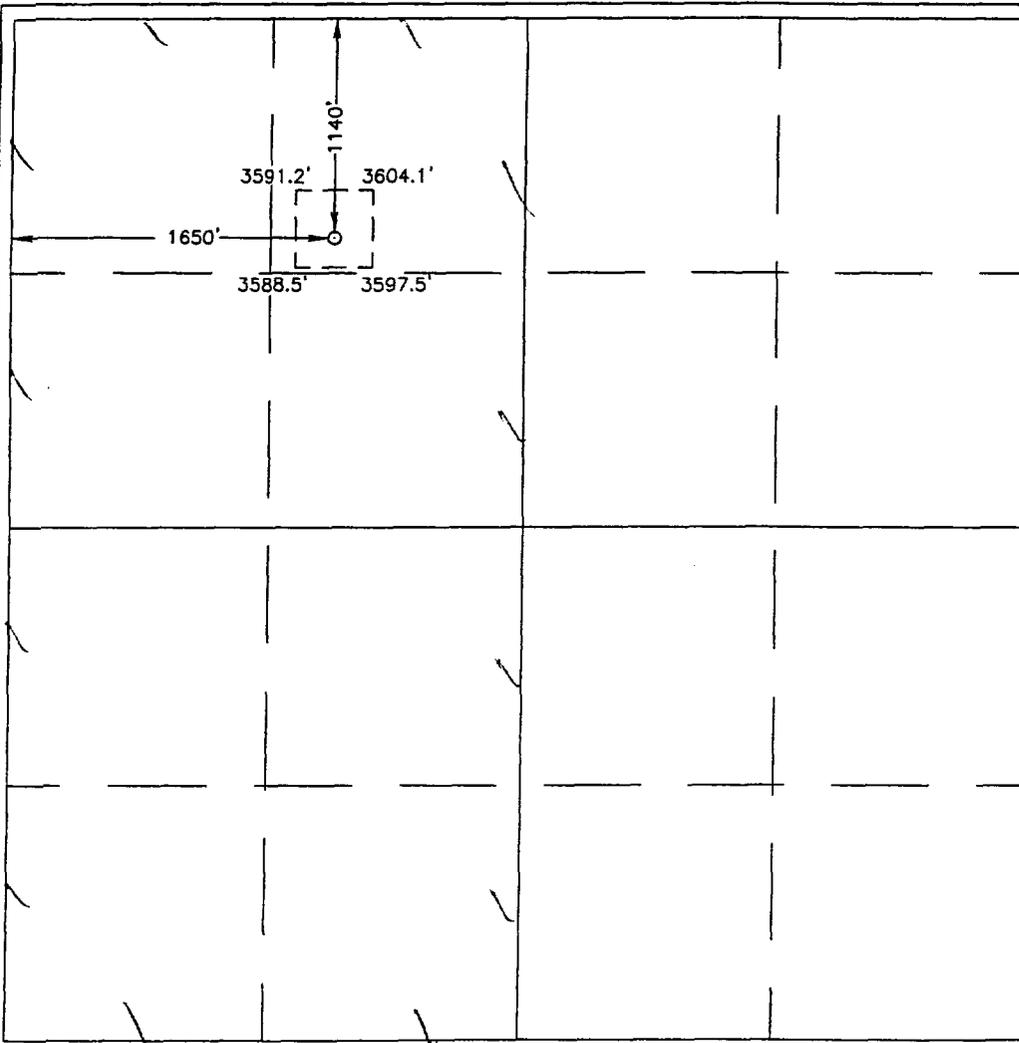
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	17 S	28 E		1140	NORTH	1650	WEST	EDDY

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	Joint or Infill	Consolidation Code	Order No.
320			

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



OPERATOR CERTIFICATION

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

*Mike Francis*  
Signature

Mike Francis  
Printed Name

Agent  
Title

7/12/00  
Date

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.

APRIL 11, 2000

Date Surveyed DC

Signature & Seal of Professional Surveyor

*Ronald J. Eidson*  
RONALD J. EIDSON 4/12/00  
00-11-0453

Certificate No. RONALD J. EIDSON 3239  
GARY EIDSON 12641  
MACON McDONALD 12185

**DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

**1. GEOLOGIC NAME OF SURFACE FORMATION:**

Permian

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:**

Queen	1,025'
San Andres	1,780'
Abo	5,275'
Wolfcamp	6,350'
Atoka	9,175'
Morrow Clastics	9,500'
Chester	9,900'

**3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:**

Upper Permian Sands	Above 300'	Fresh Water
Seven Rivers/Queen	550/1025	Oil
Grayburg/San Andres	1780'	Oil
Atoka	9175'	Gas
Morrow	9500'	Gas

**4. CASING PROGRAM**

<u>Hole Size</u>	<u>Interval</u>	<u>OD Casing</u>	<u>Weight Grade Jt. Cond. Type</u>
14 3/4"	0-500'	11 3/4"	42# H-40 ST&C
11"	0-2800'	8 5/8"	32# J-55 LT&C
7 7/8"	0-10100'	5 1/2"	17# N80/S95 L&TC

Cementing Program:

11 3/4" Surface Casing: Cement to surface with 200 sx Prem Plus, 3% Econolite, 25 Calcium Chloride, 0.25#/sx Flocele, 150 sx Prem Plus, 2% Calcium Chloride

8 5/8" Intermediate: Cement to surface with 800 sx Interfill C, .25#/sx flocele, 250 sx Premium Plus, 2% Calcium Chloride

5 1/2" Production: Cement w/930 sx Premium, 3% Econolite, 5#/sx Salt (3%), 0.2% HR5, .25#/sk Flocele, 250 sx Prem 50/50 Poz mix 'A', 2% Halliburton-Gel First 2%, 0.5% Halad-322. This is designed to bring TOC to 4500'.

**DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:  
(SEE EXHIBIT #1)**

The blowout preventer equipment (BOP) shown in Exhibit #1 will consist of a double ram-type (5000 psi WP) preventer and an annular preventer (5000-psi WP). Units will be hydraulically operated and the ram-type will be equipped with blind rams on top and drill pipe rams on bottom. All BOP's and accessory equipment will be tested to 600 psi before drilling out of surface casing. Before drilling out of 1st intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/1000 psi and the annular to 3500/5000-psi pressure.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

**6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:**

The well will be drilled to TD with a combination of brine, cut brine, and polymer/KCL mud system. The applicable depths and properties of this system are as follows:

<u>Depth</u>	<u>Type</u>	<u>Wt (PPG)</u>	<u>Viscosity (sec)</u>	<u>Waterloss (cc)</u>
0-500'	Fresh Water (spud)	8.5	40-45	N.C.
500'-2800'	Brine Water	10.0	30	N.C.
2800'- TD	Cut Brine + Polymer/KCL	8.8 - 9.2	32	10

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

**7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:**

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) A mud logging unit complete with H2S detector will be continuously monitoring drilling penetration rate and hydrocarbon shows from 5000' to TD.

**DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

**8. LOGGING, TESTING AND CORING PROGRAM:**

Electric logging will consist of GR-Dual Induction Focused and GR-Compensated Density-Neutron from TD to intermediate casing with a GR-Compensated Neutron run from intermediate casing to surface and optional Sonic from TD to Intermediate casing.

Possible sidewall cores based on shows.

**9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:**

The estimated bottom hole temperature (BHT) at TD is 175 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 5000 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. No major loss circulation zones have been reported in offsetting wells.

**10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:**

The drilling operation should be finished in approximately one month. If the well is productive, an additional 30-60 days will be required for completion and testing before a decision is made to install permanent facilities.

**DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

**SURFACE USE AND OPERATIONS PLAN**

**1. EXISTING ROADS:**

Access to location will be made as shown on Exhibit #2

Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease.

**2. PROPOSED ACCESS ROAD:**

0' of new road is required.

No turnouts necessary.

No culverts, cattleguards, gates, low-water crossings are necessary.

Surfacing material consists of native caliche to be obtained from the nearest BLM-approved caliche pit. Any additional materials required will be purchased from the dirt contractor.

**3. LOCATION OF EXISTING WELLS:**

Exhibit #3 shows all existing wells within a one-mile radius of this well.

**4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:**

There are no existing production facilities. If production is encountered, a temporary facility will be established on the drill pad, and if warranted, a production facility would be built at a later date in the immediate area of the drill pad location. If the well is productive, the flowline would also be located on the drill-pad site and no additional disturbance will occur.

**5. LOCATION AND TYPE OF WATER SUPPLY:**

Fresh water and brine water for drilling will come from commercial sources and transported to the well site over the roads as shown on Exhibit #2.

## **DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

### **6. PLANS FOR RESTORATION OF THE SURFACE:**

After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Location will be cleaned of all trash and junk to leave the well in an aesthetically pleasing condition as possible.

Any unguarded pits containing fluid will be fenced until they are dry and back filled.

After abandonment of the well, surface restoration will be in accordance with current federal laws and regulations. Location will be cleaned, and the wellpad removed to promote vegetation and disposal of human waste will be complied with. Trash, waste paper, garbage and junk will be hauled to an approved disposal site in an enclosed trash trailer.

All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

### **ANCILLARY FACILITIES:**

No airstrip, campsite, or other facilities will be built.

### **WELL SITE LAYOUT:**

Exhibit #4 shows the relative location and dimensions of the well pad.

**DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

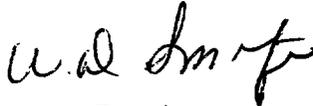
**OTHER INFORMATION:**

The area around the well site is grassland and the topsoil is duned and sandy. The vegetation is native scrub grasses with abundant oakbrush, sagebrush, yucca, and prickly pear.

**CERTIFICATION:**

I HEREBY CERTIFY that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by EOG Resources, Inc. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

W. Dewey Smeltzer  
Division Drilling Manager



Date: 7-12-00

## **DRILLING PROGRAM**

**EOG RESOURCES, INC.  
STARBUCK "19" FEDERAL COM NO. 1  
1,140' FNL & 1,650' FWL  
SEC. 19, T17S, R28E  
EDDY COUNTY, NM**

### **ATTACHMENT TO EXHIBIT #1**

1. Wear ring to be properly installed in head.
2. Blow out preventer and all fittings must be in good condition, 5000 psi W.P. minimum. Exhibit #1.
3. All fittings to be flanged
4. Safety valve must be available on rig floor at all times with proper connections, valve to be full bore 5000 psi W.P. minimum.
5. All choke and fill lines to be securely anchored especially ends of choke lines.
6. Equipment through which bit must pass shall be at least as large as the diameter of the casing being drilled through.
7. Kelly cock on kelly.
8. Extension wrenches and hand wheels to be properly installed.
9. Blow out preventer control to be located as close to driller's position as feasible.
10. Blow out preventer closing equipment to include minimum 40-gallon accumulator, two independent sources of pump power on each closing unit installation, and meet all API specifications.

EOG Resources, Inc.

Starbuck "19" Fed Com No. 1

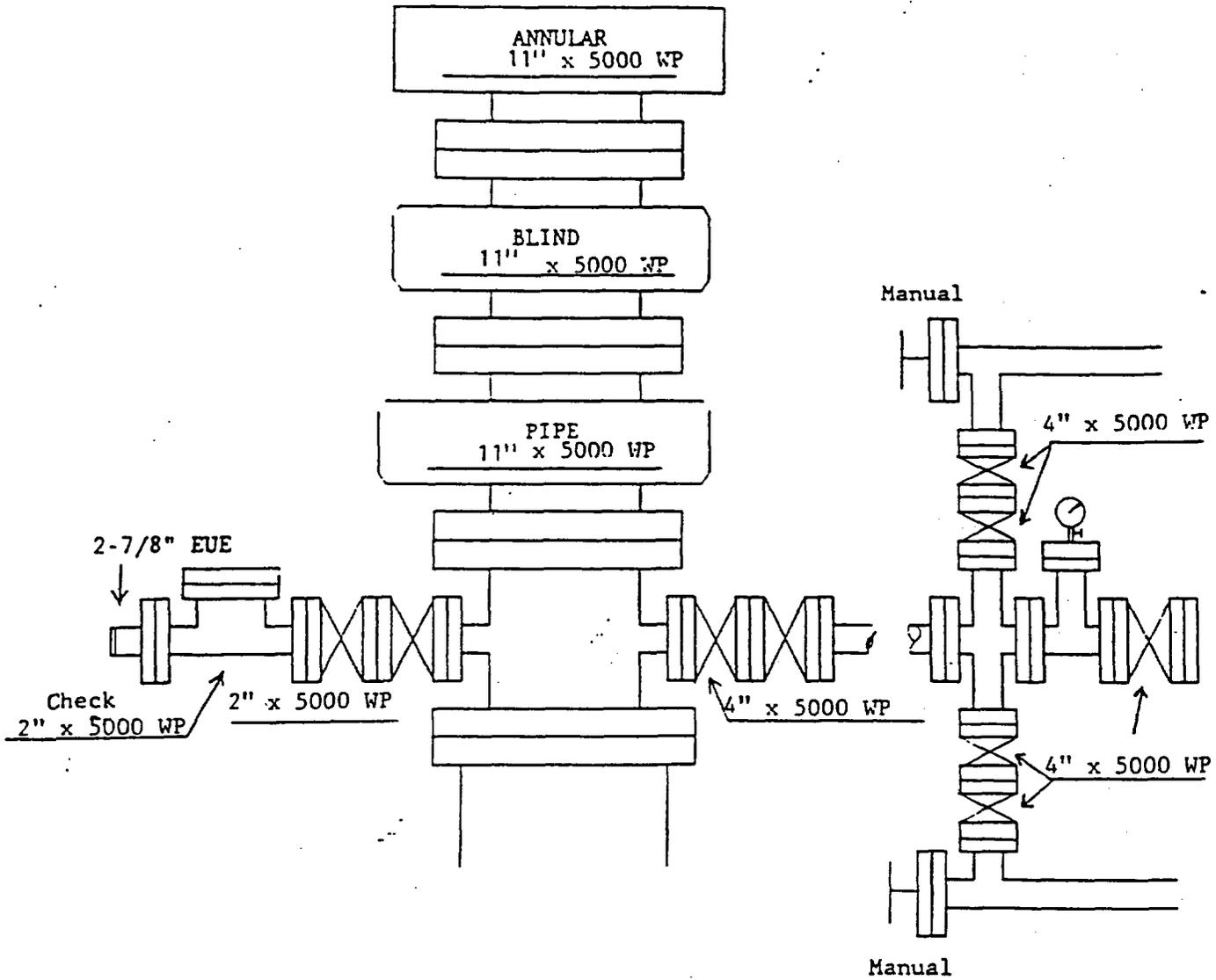
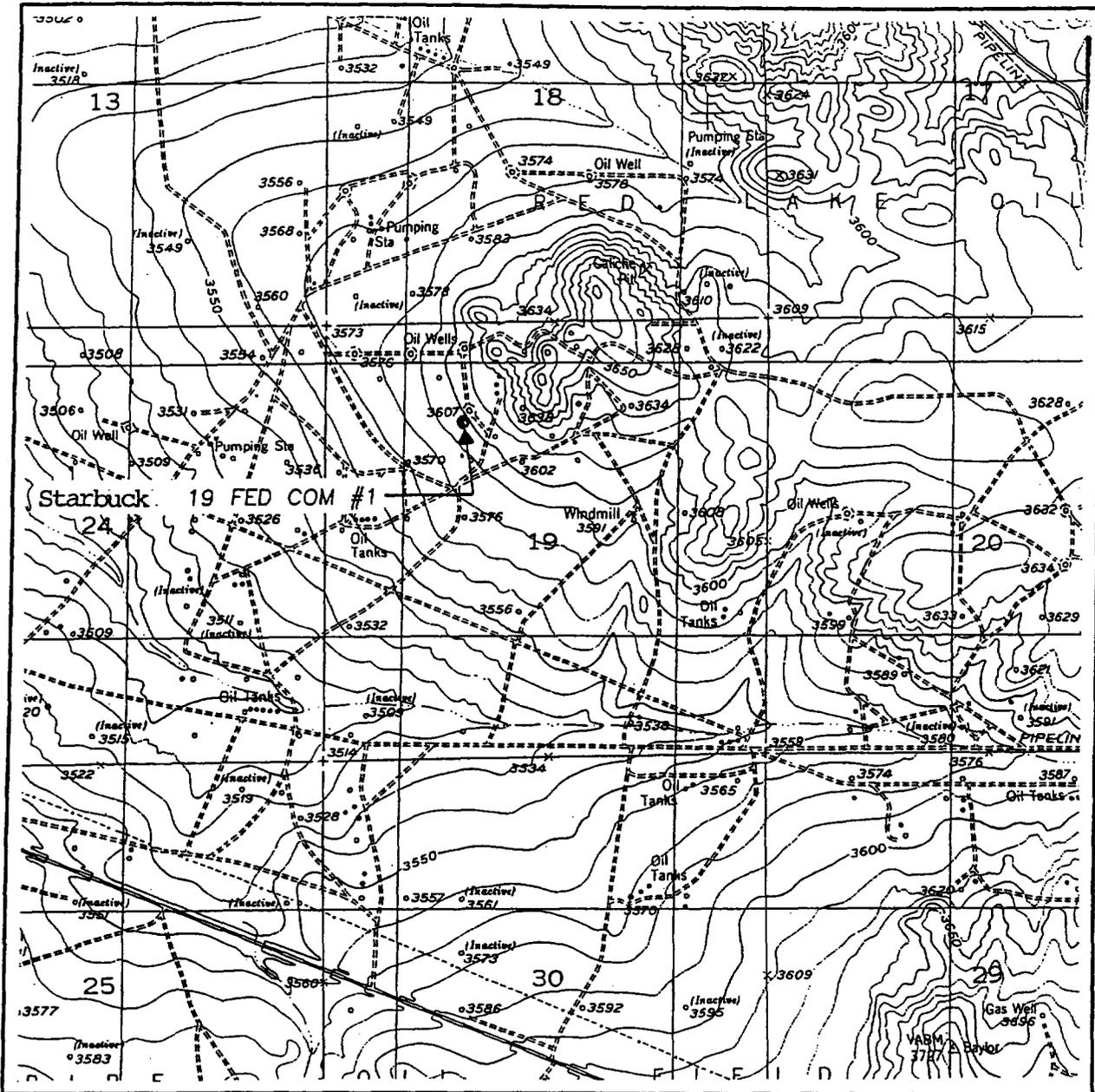


Exhibit 1

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
RED LAKE - 10'

SEC. 19 TWP. 17-S RGE. 28-E

SURVEY                      N.M.P.M.

COUNTY                      EDDY

DESCRIPTION 1140' FNL & 1650' FWL

ELEVATION                      3596

OPERATOR                      EOG Resources, Inc

LEASE                      MANDALAY 19 FED. COM

U.S.G.S. TOPOGRAPHIC MAP

                     RED LAKE, N.M.

**JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505 393-3117)**

Exhibit 2

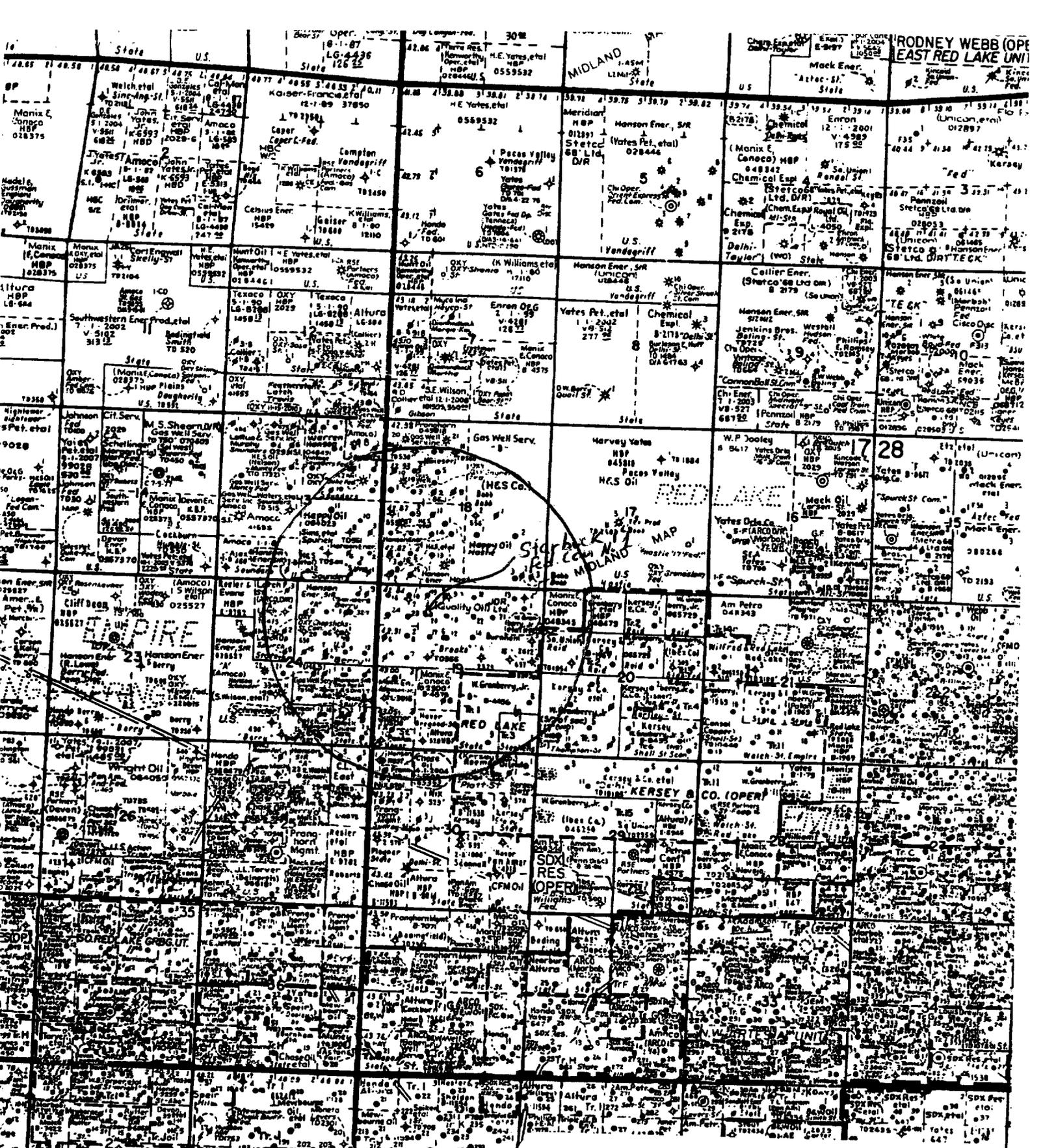
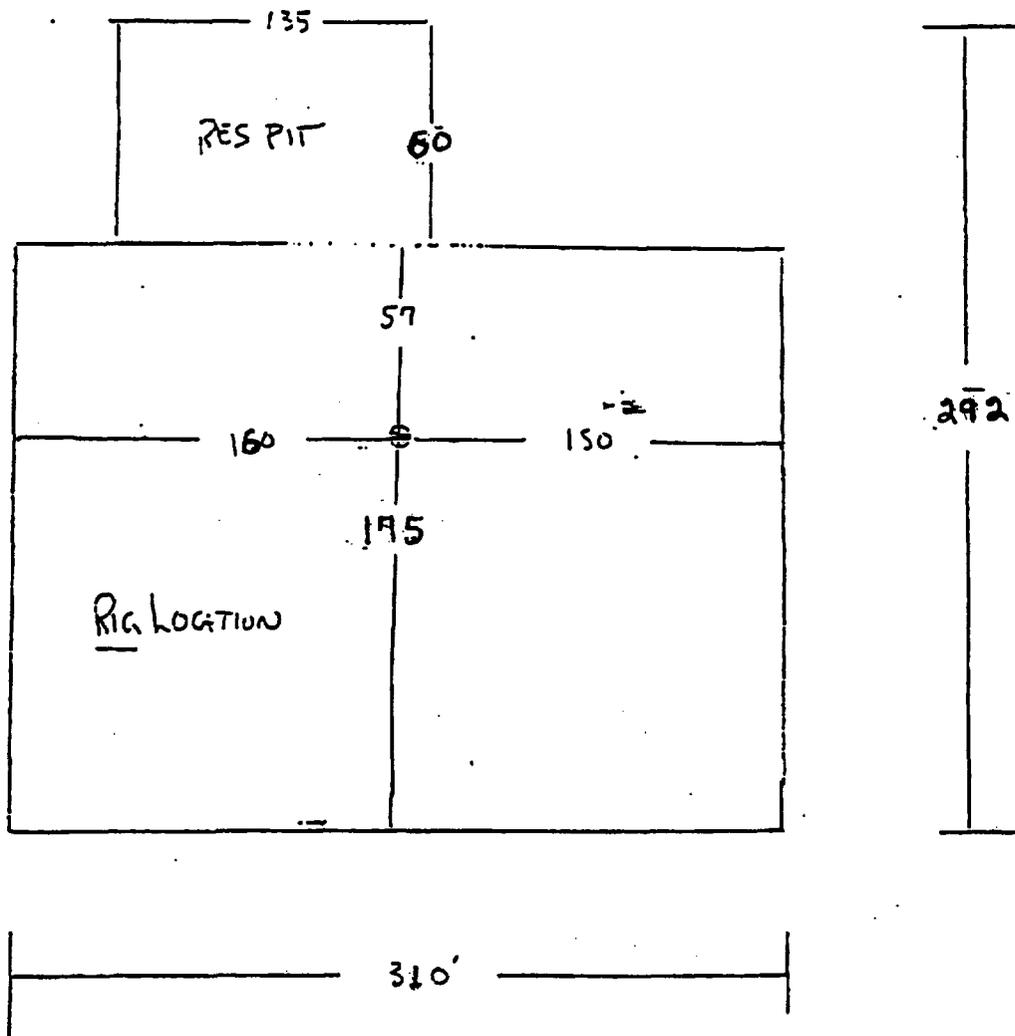


Exhibit 3  
 EOG Resources, Inc.  
 Wells within one (1) mile radius of proposed well.  
 Starbuck "19" Fed Com No. 1  
 1,140' FNL & 1,650' FWL  
 Sec 19 T17S, R28E  
 Eddy Co., NM

Exhibit 4



**Statement Accepting Responsibility For Operations**

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

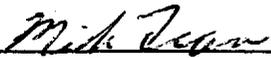
**Lease No.:** LC-050349(A)

**Legal Description:** Section 19, T17S, R28E  
Eddy Co., NM

**Formation(s):**

**Bond Coverage:** Individually with Endorsement to State of New Mexico

**BLM Bond File No.:** NM-2308

**Authorized Signature:**   
Mike Francis

**Title:** Agent

**Date:** 7/12/2000



CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

08/02/01 14:39:43  
OGOMES -TPOF  
PAGE NO: 1

Sec : 19 Twp : 17S Rng : 28E Section Type : NORMAL

1 42.84  Federal owned C A A A A	C 40.00  Federal owned C A A A A	B 40.00  Federal owned  A A A	A 40.00  Federal owned  A A
2 42.91  Federal owned C A A A	F 40.00  Federal owned C A A	G 40.00  Federal owned  A	H 40.00  Federal owned

PF01 HELP      PF02              PF03 EXIT      PF04 GoTo      PF05              PF06  
PF07 BKWD      PF08 FWD          PF09 PRINT      PF10 SDIV      PF11              PF12

*Empire W/bc.*

CMD :  
OG5SECT

ONGARD  
INQUIRE LAND BY SECTION

08/02/01 14:39:47  
OGOMES -TP0F  
PAGE NO: 2

Sec : 19 Twp : 17S Rng : 28E Section Type : NORMAL

3 43.00 CS L03016 0000 J M HUBER CORP C 06/17/79 A	K 40.00 CS B04575 0009 WILSON OIL CO C 07/10/45	J 40.00 CS B04456 0013 WILSON OIL CO U 06/10/45	I 40.00 CS B04456 0013 WILSON OIL CO U 06/10/45
4 43.05 CS L03016 0000 J M HUBER CORP C 06/17/79	N 40.00 CS X00703 0071 OCCIDENTAL PERMIA C 12/20/32	O 40.00 CS B04456 0013 WILSON OIL CO U 06/10/45 P	P 40.00  Federal owned U A

PF01 HELP      PF02                      PF03 EXIT      PF04 GoTo      PF05                      PF06  
PF07 BKWD      PF08 FWD                  PF09 PRINT      PF10 SDIV      PF11                      PF12

CMD : ONGARD 08/02/01 14:40:42  
OG6IWCM INQUIRE WELL COMPLETIONS OGOMES -TPOF

API Well No : 30 15 31327 Eff Date : 12-01-2000 WC Status : A  
Pool Idn : 76440 EMPIRE; PENN (GAS)  
OGRID Idn : 7377 EOG RESOURCES INC  
Prop Idn : 26610 STARBUCK 19 FEDERAL COM

Well No : 001  
GL Elevation: 3597

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	C	19	17S	28E	FTG 1140 F N	FTG 1650 F W	P

Lot Identifier:

Dedicated Acre: 341.80

Lease Type : F

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

