

County Eddy Pool Southwest Indian Basin - Morrow Gas

TOWNSHIP	Range 22 East						NMPM
6	5	4	3	2	1	1	
7	8	9	10	11	12		
18	17	16	15	14	13		
19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

Ext. 1/2 Sec. 18 (A-12228, F-9-01)

County Eddy Pool Southwest Indian Basin - Morrow Gas

TOWNSHIP	Range 23 East						NMPM
6	5	4	3	2	1		
7	8	9	10	11	12		
19	18	17	16	15	14		
20	21	22	23	24	25		
30	29	28	27	26	25		
31	32	33	34	35	36		

Description 1/2 Sec. 18 (A-9837, I-27-93)  
Ext. 1/2 Sec. 18 (A-12228, F-9-01)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

5. Lease Serial No.  
NMNM100586

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
WAGON WHEEL 13 FEDERAL 2

9. API Well No.  
30-015-33483-00-X1

10. Field and Pool, or Exploratory  
WILDCAT MORROW

11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY CO  
Contact: MICHELLE FARRELL  
E-Mail: mfarrell@cimarex.com

3a. Address  
15 E 5TH ST STE 1000  
TULSA, OK 74103  
3b. Phone No. (include area code)  
Ph: 918.295.1727

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T22S R22E SWNE 1650FNL 1980FEL

RECEIVED  
AUG 11 2004  
OCC-ARTEZIA

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<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	

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 zones. 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.)

Cimarex is requesting TD change from 9800' to 10,200'. Verbal approval was given by Jim Amos on August 6, 2004.

*talked w/ Michelle 9:30am 11-3-2004*  
*TD'ed: 9975*  
*Vertical Plugged: August 11<sup>th</sup>/12<sup>th</sup>*

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

Electronic Submission #34213 verified by the BLM Well Information System  
For CIMAREX ENERGY CO, sent to the Carlsbad  
Committed to AFMSS for processing by ARMANDO LOPEZ on 08/06/2004 (04AL0314SE)

Name (Printed/Typed) MICHELLE FARRELL Title DRILLING TECH

Signature (Electronic Submission) Date 08/06/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By LES BABYAK Title PETROLEUM ENGINEER Date 08/09/20

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 operations thereon.

Office Carlsbad

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**NMOCD**

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

**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.*

5. Lease Serial No.  
NMNM100586

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

8. Well Name and No.  
WAGON WHEEL 13 FEDERAL 2

9. API Well No.  
30-015-33483-00-X1

10. Field and Pool, or Exploratory  
WILDCAT MORROW

11. County or Parish, and State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
CIMAREX ENERGY CO  
Contact: MICHELLE FARRELL  
E-Mail: mfarrell@cimarex.com

3a. Address  
15 E 5TH ST STE 1000  
TULSA, OK 74103

3b. Phone No. (include area code)  
Ph: 918.295.1727

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T22S R22E SWNE 1650FNL 1980FEL  
**RECEIVED**  
AUG 03 2004  
ODD ARTESIA

**12. CHECK APPROPRIATE BOX(ES) TO 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 type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<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	

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 zones. 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.)

Cimarex Energy spudded this well on 7-2-04. Surface casing was set on 7-12-04 at 1080' as follows: hole 17 1/2", casing 13 3/8" 54# J-55 ST&C casing. Cement used was 100 sks Rfc, Lead 800 sks 35:65 Poz Class C w/ 14.8# yield, 125 sks Rfc, tail 200 sks Class C 14.8# yield plus 2% cc, cement was circulated back to surface and job witnessed by BLM official. Intermediate casing was set on 7-15-04 at 2323' as follows: hole 12 1/4", casing 9 5/8" 36# K55 ST&C casing. Cement used was 525 sks Poz "C" @ 12.6 ppg, tail w/ 350 sks Poz C @ 14.8 ppg.

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #33780 verified by the BLM Well Information System  
For CIMAREX ENERGY CO, sent to the Carlsbad  
Committed to AFMSS for processing by LINDA ASKWIG on 07/29/2004 (04LA0609SE)

Name (Printed/Typed) MICHELLE FARRELL Title DRILLING TECH

Signature (Electronic Submission) Date 07/29/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By **ACCEPTED** ALEXIS C SWOBODA Title PETROLEUM ENGINEER Date 07/30/04

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 operations thereon.

Office Carlsbad

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.

0602

*Lara*  
*H-04-16*  
N.M. Oil Cons. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM 100586
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Cimarex Energy Co.		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 15 East 5th Street, Ste. 1000, Tulsa, OK 74103		8. Lease Name and Well No. Wagon Wheel '13' Federal #2
3b. Phone No. (include area code) (918) 295-1710		9. API Well No. 30-015-33483
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1650' from <sup>NORTH</sup> South Line and 1980' from East Line At proposed prod. zone same		10. Field and Pool, or Exploratory Indian Basins Morrow, SW
14. Distance in miles and direction from nearest town or post office* 30 miles West and 4 miles South of Carlsbad, New Mexico		11. Sec., T., R., M., or Blk. and Survey or Area Section 13-T22S-R22E NMPM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of Acres in lease 1600.00	12. County or Parish Eddy County
17. Spacing Unit dedicated to this well 640 acres	13. State NM	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1360'	19. Proposed Depth 9,800'	20. BLM/BIA Bond No. on file COB000011
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4360' GL	22. Approximate date work will start* July 14, 2004	23. Estimated duration 45 days
24. Attachments CARLSBAD CONTROLLED WATER BASIN		

RECEIVED  
JUN 07 2004  
COB-ARTESIA

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

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

25. Signature 	Name (Printed/Typed) Steve Simonton	Date 5-17-04
Title Cimarex Energy Co. Drilling Superintendent	Name (Printed/Typed) /s/ Joe G. Lara	Date JUN 2004
Approved by (Signature) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date JUN 2004
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the 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.

APPROVAL FOR 1 YEAR

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.

\*(Instructions on reverse)

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

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

DISTRICT II  
P.O. Drawer 80, Artesia, NM 88211-0719

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

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

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name <b>WAGON WHEEL 13 FEDERAL</b>	Well Number <b>2</b>
OGRID No.	Operator Name <b>CIMAREX ENERGY COMPANY</b>	Elevation <b>4343'</b>

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	13	22-S	22-E		1650'	NORTH	1980'	EAST	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.

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

**RECEIVED**  
JUN 17 2004  
OCD ARTESIA

GEODETC COORDINATES  
NAD 27 NME  
Y=507078.6 N  
X=400926.7 E  
LAT.=32°23'37.19" N  
LONG.=104°39'15.51" W

320  
acres

**OPERATOR CERTIFICATION**

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

*[Signature]*  
Signature

Steve J. Simanton  
Printed Name

Dir. Supt.  
Title

5/24/04  
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.*

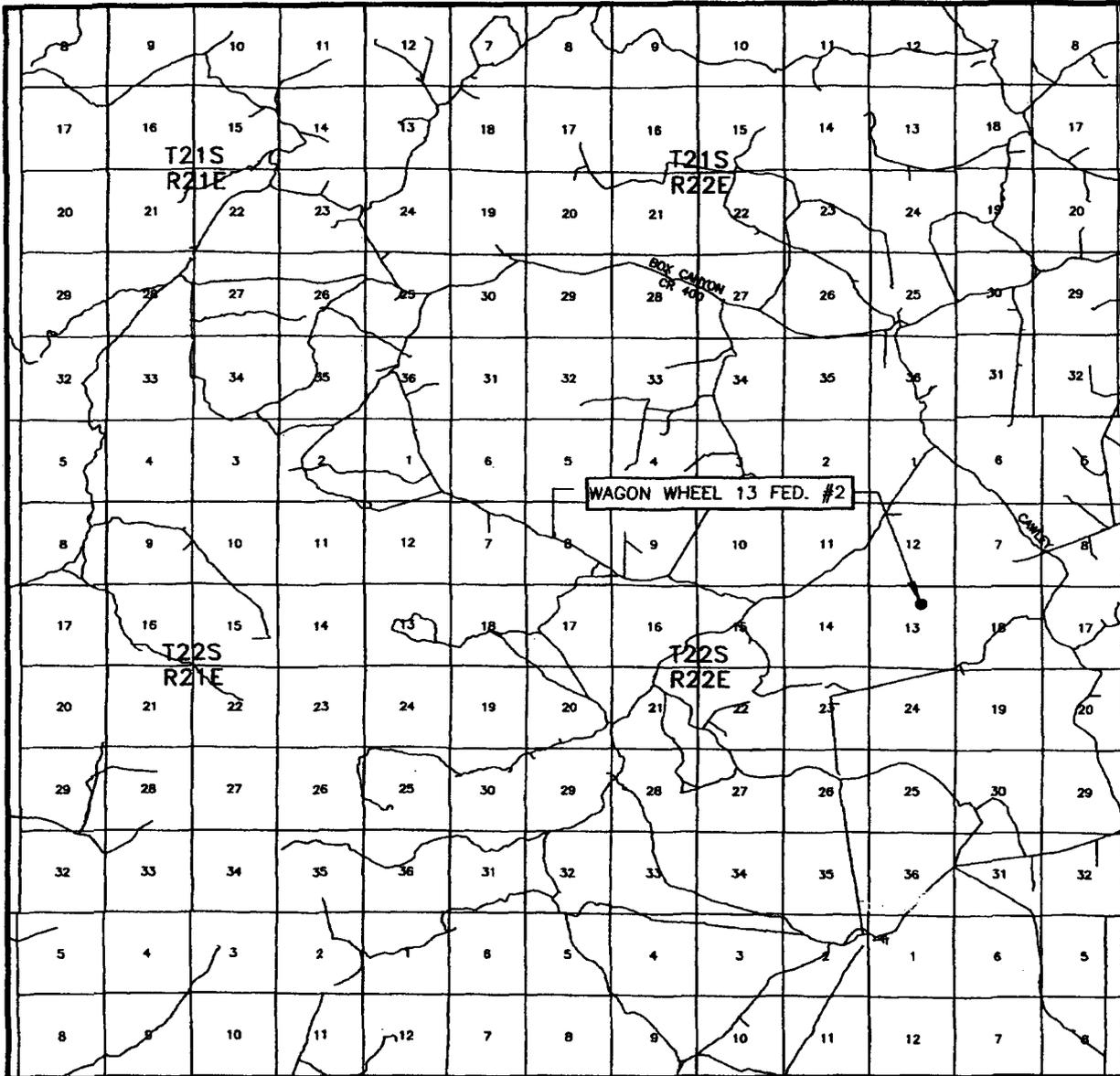
APRIL 29, 2004  
Date Surveyed

LA

Signature & Seal of Professional Surveyor

*[Signature]*  
GARY EUBSON  
04.11.047  
Certificata No. GARY EUBSON 12841

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 22-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1650' FNL & 1980' FEL

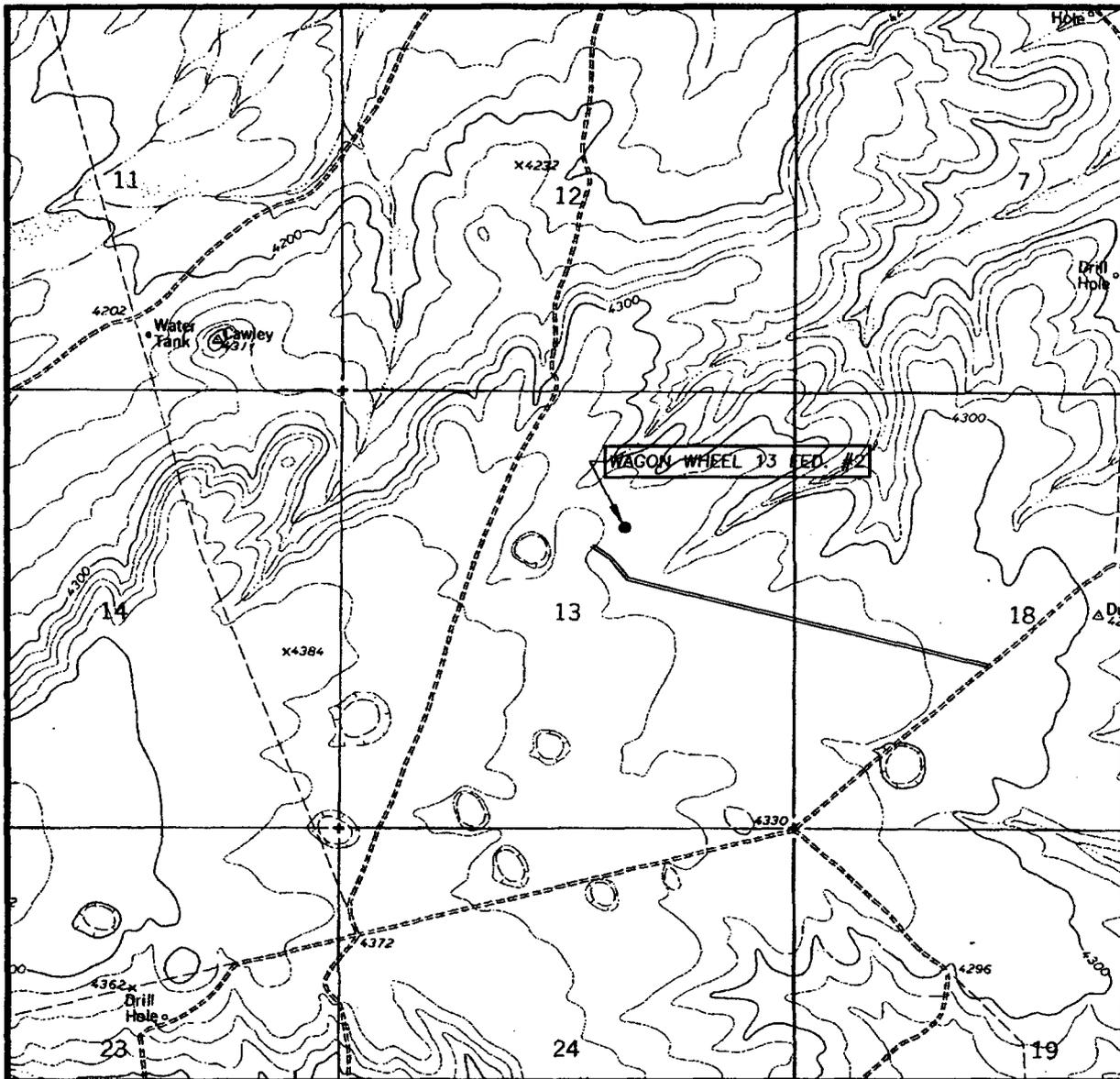
ELEVATION 4343'

OPERATOR CIMAREX ENERGY COMPANY

LEASE WAGON WHEEL 13 FEDERAL

PROVIDING SURVEYING SERVICES  
SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBS, N.M. 88240  
(505) 393-3117

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'  
CAWLEY DRAW, N.M.

SEC. 13 TWP. 22-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY EDDY

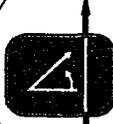
DESCRIPTION 1650' FNL & 1980' FEL

ELEVATION 4343'

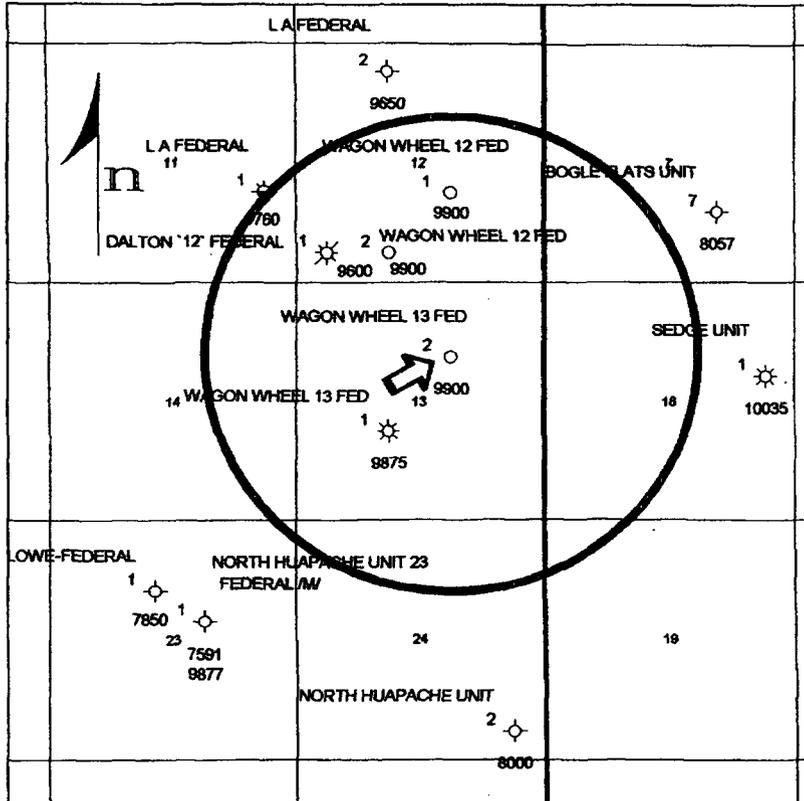
OPERATOR CIMAREX ENERGY COMPANY

LEASE WAGON WHEEL 13 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP  
CAWLEY DRAW, N.M.



**PROVIDING SURVEYING SERVICES**  
 SINCE 1948  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (505) 393-3117



1 inch = 4000 feet

<b><i>Cimarex Energy Co.</i></b>		
<b>Location Plat</b> <b>Proposed Wagon Wheel "13" Federal #2</b> <b>1650' FNL 1980' FEL Sec. 13-T22S-R22E</b> <b>Eddy Co, NM</b>		
<b>Author:</b> Dave Rittersbacher		<b>Date:</b> 12 May, 2004
	<b>Scale:</b> 1"=4000'	

CMD :  
OC6IWCM

ONGARD  
INQUIRE WELL COMPLETIONS

11/02/04 13:21:03  
OGOMES -TPXL

API Well No : 30 15 33260 Ref Date : 02-17-2004 WC Status : A  
Pool Idn : 79030 INDIAN BASIN;MORROW, SW (GAS)  
OGRID Idn : 215099 CIMAREX ENERGY CO.  
Prop Idn : 33561 WAGON WHEEL 13 FEDERAL

Well No : 001  
GL Elevation: 4364

	U/1	Sec	Township	Range	North/South	East/West	Prop/Act(P/A)
B.H. Locn	:	K	13	22S	22E	FTG 1980 F S FTG 1980 F W	P

Lot Identifier:

Dedicated Acre: 320.00

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

CMD :  
OG6ACRE

OMGARD  
C102-DEDICATE ACREAGE

11/02/04 13:21:12  
OGOMES -TPXL  
Page No : 1

API Well No : 30 15 33260 Eff Date : 02-17-2004  
Pool Idn : 79030 INDIAN BASIN;MORROW, SW (GAS)  
Prop Idn : 33561 WAGON WHEEL 13 FEDERAL Well No : 001  
Spacing Unit : 58883 OCD Order : Simultaneous Dedication:  
Sect/Twp/Rng : 13 22S 22E Acreage : 320.00 Revised C102? (Y/N) :  
Dedicated Land:

S	Base	U/L	Sec	Twp	Rng	Acreage	L/W	Ownership	Lot Idn
	C		13	22S	22E	40.00	N	FD	
	D		13	22S	22E	40.00	N	FD	
	E		13	22S	22E	40.00	N	FD	
	F		13	22S	22E	40.00	N	FD	
	K		13	22S	22E	40.00	N	FD	
	L		13	22S	22E	40.00	N	FD	
	M		13	22S	22E	40.00	N	FD	
	N		13	22S	22E	40.00	N	FD	

E0005: Enter data to modify or PF keys to scroll

PF01 HELP    PF02            PF03 EXIT    PF04 GoTo    PF05            PF06 CONFIRM  
PF07 BKWD    PF08 FWD       PF09            PF10 LAND    PF11 NXTSEC    PF12 RECONF

CMD :  
CG6IPRD

ONGARD  
INQUIRE PRODUCTION BY POOL/WELL

11/02/04 13:21:22  
OGOMES -TPXL  
Page No: 1

OGRID Identifier : 215099 CIMAREX ENERGY CO.  
Pool Identifier : 79030 INDIAN BASIN;MORROW, SW (GAS)  
API Well No : 30 15 33260 Report Period - From : 01 2000 To : 09 2004

API Well No	Property Name	Prodn. MM/YY	Days Prod	Production Gas	Production Oil	Production Water	Well Stat
30 15 33260	WAGON WHEEL 13 FEDER	04 04	9	22471	122	70	P
30 15 33260	WAGON WHEEL 13 FEDER	05 04	31	55490	292	59	P
30 15 33260	WAGON WHEEL 13 FEDER	06 04	30	64128	289	74	P
30 15 33260	WAGON WHEEL 13 FEDER	07 04	31	62014	243	22	P

Reporting Period Total (Gas, Oil) : 204103 926 165

M0025: Enter PF keys to scroll

PF01 HELP    PF02    PF03 EXIT    PF04 GoTo    PF05    PF06 CONFIRM  
PF07 BKWD    PF08 FWD    PF09    PF10 NXTPOOL    PF11 NXTOGD    PF12

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 Cimarex Energy Co. 15 East 5 <sup>th</sup> Street, Suite 1000 Tulsa, OK. 74103		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 04/22/2004
<sup>4</sup> API Number 30 - 015-33260	<sup>5</sup> Pool Name Indian Basin, Morrow, SW	<sup>6</sup> Pool Code 79030
<sup>7</sup> Property Code 33561	<sup>8</sup> Property Name Wagon Wheel 13 Federal	<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
K	13	22S	22E		1980'	South	1980'	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 F	<sup>14</sup> Gas Connection Date 04/22/2004	<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
151618	Gulf Terra 4 Greenway Plaza, Suite 560 Houston, TX. 77002	4002240	G	
035103	Sumoco Ptrns. & Mktg. Terminals, LP P. O. Box 2039 Tulsa, OK. 74102		O	
				RECEIVED SEP 20 2004 OCD-ARTESIA

**IV. Produced Water**

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

**V. Well Completion Data**

<sup>25</sup> Spud Date 02/29/2004	<sup>26</sup> Ready Date 04/22/2004	<sup>27</sup> TD 9880'	<sup>28</sup> PBSD 9718'	<sup>29</sup> Perforations 9471-9549	<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		
17.5	13.75	1050	950		
12.25	9.625	2300	540		
7.875	5.50	9870	1000		

**VI. Well Test Data**

<sup>35</sup> Date New Oil 04/22/2004	<sup>36</sup> Gas Delivery Date 04/22/2004	<sup>37</sup> Test Date 04/22/2004	<sup>38</sup> Test Length 24 hours	<sup>39</sup> Tbg. Pressure 1600	<sup>40</sup> Csg. Pressure 0.0
<sup>41</sup> Choke Size 14/64	<sup>42</sup> Oil 0	<sup>43</sup> Water 1.	<sup>44</sup> Gas 2100	<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 complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Genea Holloway*  
Printed name: Genea Holloway  
Title: Production Administration Supervisor  
E-mail Address: Gholloway@cimarex.com  
Date: 09/16/2004  
Phone: (918) 295-1658

OIL CONSERVATION DIVISION  
Approved by: *[Signature]*  
Title: TIM W. GUM  
DISTRICT II SUPERVISOR  
Approval Date: SEP 21 2004

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

5 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 Cimarex Energy Co. 15 East 5 <sup>th</sup> Street, Suite 1000 Tulsa, OK. 74103		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 04/22/2004
<sup>4</sup> API Number 30 - 015-33260	<sup>5</sup> Pool Name Wildcat Indian Basin; Morrow, SW	<sup>6</sup> Pool Code 79030
<sup>7</sup> Property Code 32561	<sup>8</sup> Property Name Wagon Wheel 13 Federal	<sup>9</sup> Well Number 1

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

Ul or lot no.	Section	Township	Range	Lot.Idn	Feet from the 1980'	North/South Line	Feet from the 1980'	East/West line	County
	13	22S	22E			South		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
K									
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<sup>14</sup> Gas Connection Date 04/22/2004	<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
	EPGT Texas Pipeline 4 Greenway Plaza, Suite 560 Houston, TX. 77002		G	
037480	Sun Refining and Marketing 14550 Torrey Chase Blvd Suite 245 Houston, TX . 77014		O	RECEIVED JUN 2 5 2004 OOR-ARTERIA

IV. Produced Water

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

V. Well Completion Data

<sup>25</sup> Spud Date 02/29/2004	<sup>26</sup> Ready Date 04/22/2004	<sup>27</sup> TD 9880'	<sup>28</sup> PBD 9718'	<sup>29</sup> Perforations 9471-9549	<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		
17.5	13.75	1050	950		
12.25	9.625	2300	540		
7.875	5.50	9870	1000		

VI. Well Test Data

<sup>35</sup> Date New Oil 04/22/2004	<sup>36</sup> Gas Delivery Date 04/22/2004	<sup>37</sup> Test Date 04/22/2004	<sup>38</sup> Test Length 24 hours	<sup>39</sup> Tbg. Pressure 1600	<sup>40</sup> Csg. Pressure 0.0
<sup>41</sup> Choke Size 14/64	<sup>42</sup> Oil 0	<sup>43</sup> Water 1.	<sup>44</sup> Gas 2100	<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 complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Genea Holloway</i>	OIL CONSERVATION DIVISION Approved by: <i>Jim W. Gunn</i> Title: <i>District Supervisor</i> Approval Date: JUN 2 8 2004
Printed name: Genea Holloway	
Title: Production Administration Supervisor	
E-mail Address: Gholloway@cimarex.com	
Date: 06/24/2004	Phone: (918) 295-1658

OPERATOR: CIMAREX ENERGY CO  
 WELL/LEASE: WAGON WHEEL 13 FED #1  
 COUNTY: EDDY, NM

512-5060

STATE OF NEW MEXICO  
 DEVIATION REPORT

196	1	5,615	4
441	1/4	5,804	4
690	2	5,964	4 1/4
844	1 3/4	6,103	3 1/2
1,034	1	6,232	5 1/2
1,289	3/4	6,332	4 1/4
1,514	1	6,400	3 1/4
1,768	1/2	6,527	3
2,020	3/4	6,710	2 1/4
2,276	1/4	7,033	2 1/4
2,508	3/4	7,192	3
2,730	3/4	7,445	2 1/2
2,976	3/4	7,881	1 1/2
3,232	1	8,231	3/4
3,490	1	8,742	3/4
3,743	3/4	9,250	1/4
3,998	1 1/4	9875 TD	1
4,242	2 1/2		
4,348	3		
4,411	3 1/4		
4,507	3 3/4		
4,604	4		
4,699	4		
4,792	4 1/4		
4,888	5		
5,020	5 1/4		
5,115	4 1/4		
5,174	4		
5,300	4 1/4		
5,426	4 1/4		
5,520	4		

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 JUN 23 2004  
 OGD-ARTESIA

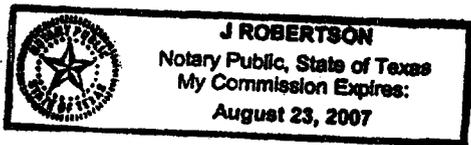
By: Steve Moore

STATE OF TEXAS  
 COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 31st day of March, 2004, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.

J Robertson  
 Notary Public for Midland County, Texas

My Commission Expires: 8/23/2007



# CONFIDENTIAL

Form 3160-4  
(April 2004)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: March 31, 2007

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. US NM 100586	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resrv., Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator <b>Cimarex Energy Co</b>		7. Unit or CA Agreement Name and No. 33561	
3. Address <b>15 E 5th St, Ste 1000 Tulsa, OK 74103</b>		8. Lease Name and Well No. Wagon Wheel 13 Federal #1	
3a. Phone No. (include area code) <b>918-295-1727</b>		9. AFI Well No. 30-015-33260	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>Sec 13 T22S R22E NESW 1980' FSL &amp; 1980' FWL</b>  At top prod. interval reported below  At total depth		10. Field and Pool, or Exploratory <b>Indian Basin Morrow, SW</b>	
14. Date Spudded <b>02/29/2004</b>		15. Date T.D. Reached <b>03/28/2004</b>	
16. Date Completed <b>04/22/2004</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 4383' KB	

18. Total Depth: MD 9880 TVD	19. Plug Back T.D.: MD 9718 TVD	20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>BCS-NGT</b>		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.5	13.75	61.0	Surface	1050		950	414	Surface	0
12.25	9.625	36	Surface	2300		540	208	Surface	0
7.875	5.50	17	Surface	9870		1000	241	5163'	0

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	9429	9421						

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Morrow	9471	9549	9471 to 9549	450	104	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material

RECEIVED

JUN 23 2004

OGG-ARTESIS

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
04/22/2004	04/22/2004	24	→	0	2100	1.0	0.0	.71	
Choke Size	Tbg. Press. Flwg. SI	Crg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
14/64	SI 1600	0.0	→	0	2100	1.0	0	PGW	

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. SI	Crg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\* (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
Choke Size	Tbg. Press. Flwg. SI	Csg. 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
San Andres	565				
Glorieta	2174				
Yeso	2216				
Bone Springs	3172				
Wolfcamp	6024				
Clisco	7469				
Canyon	7962				
Strawn	8150				
Atoka	8545				
Morrow	9162				

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.)  
  Geologic 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) Michelle Farrell Title Drilling Tech  
 Signature Michelle Farrell Date 04/28/2004

Title 18 USC Section 1001 and Title 43 USC 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  
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

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

Form C-104  
Revised June 10, 2003

Submit to Appropriate District Office  
5 Copies

AMENDED REPORT

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address Cimarex Energy Co. 15 East 5 <sup>th</sup> Street, Suite 1000 Tulsa, OK. 74103		<sup>2</sup> OGRID Number 215099
		<sup>3</sup> Reason for Filing Code/ Effective Date NW 04/22/2004
<sup>4</sup> API Number 30 - 015-33260	<sup>5</sup> Pool Name Wildcat <i>Indian Basin; Morrow, SW</i>	<sup>6</sup> Pool Code 79030
<sup>7</sup> Property Code	<sup>8</sup> Property Name Wagon Wheel 13 Federal	<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
	13	22S	22E		1980'	South	1980'	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 F	<sup>14</sup> Gas Connection Date 04/22/2004	<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
	EPGT Texas Pipeline 4 Greenway Plaza, Suite 560 Houston, TX. 77002		G	
037480	Sun Refining and Marketing 14550 Torrey Chase Blvd Suite 245 Houston, TX. 77014		O	RECEIVED JUN 25 2004 OCD-ARTESIA

**IV. Produced Water**

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

**V. Well Completion Data**

<sup>25</sup> Spud Date 02/29/2004	<sup>26</sup> Ready Date 04/22/2004	<sup>27</sup> TD 9880'	<sup>28</sup> PBTD 9718'	<sup>29</sup> Perforations 9471-9549	<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		
17.5	13.75	1050	950		
12.25	9.625	2300	540		
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**VI. Well Test Data**

<sup>35</sup> Date New Oil 04/22/2004	<sup>36</sup> Gas Delivery Date 04/22/2004	<sup>37</sup> Test Date 04/22/2004	<sup>38</sup> Test Length 24 hours	<sup>39</sup> Tbg. Pressure 1600	<sup>40</sup> Csg. Pressure 0.0
<sup>41</sup> Choke Size 14/64	<sup>42</sup> Oil 0	<sup>43</sup> Water 1.	<sup>44</sup> Gas 2100	<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 complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Genea Holloway</i>	OIL CONSERVATION DIVISION Approved by: <i>Genea W. Baum</i>
Printed name: Genea Holloway	Title: <i>District Supervisor</i>
Title: Production Administration Supervisor	Approval Date: JUN 28 2004
E-mail Address: Gholloway@cimarex.com	
Date: 06/24/2004	Phone: (918) 295-1658



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**  
Governor

**Joanna Prukop**  
Cabinet Secretary  
Acting Director  
Oil Conservation Division

June 21, 2004  
Cimarex Energy Company  
14 East 5<sup>th</sup> St., Suite 1000  
Tulsa, OK 74103  
Attn: Mr. Steve Simonton/Michelle Farrell

**RE: In order to shut-in a gas well which is operated by Cimarex Energy Company.  
The Wagon Wheel '13' Federal #1, located in Section 13 of Township 22 South, Range 22  
East, 1980 'FSL & 1980' FWL, Eddy County, New Mexico, NMPM.  
API # 30-015-33260**

Dear Mr. Simonton/Ms. Michelle Farrell or to Whom It May Concern,

In reference to the above it has been learned that this well is in violation to New Mexico Oil Conservation Division Rules and Regulations.

During a phone conversation with your company on June 15, 2004 we have been informed that this well has been producing since April 22, 2004.

Please refer to NMOCD Rules 1103.B, 1104.A and 1105.A. as noted below:

1103.B. Form C-103 as a Subsequent Report

- (1) Form C-103 as a subsequent report of operations shall be filed in accordance with the section of this rule applicable to the particular operation being reported. [1-1-65...2-1-96]
- (2) Form C-103 is to be used in reporting such completed operations as:
  - (a) Commencement of drilling operations
  - (b) Casing and cement test
  - (c) Altering a well's casing installation
  - (d) Temporary abandonment
  - (e) Plug and Abandon
  - (f) Plugging back or deepening
  - (g) Remedial work
  - (h) Installation of artificial lifting equipment
  - (i) Change of operator of a drilling well
  - (j) Such other operations which affect the original status of the well but which are not specifically covered herein.

1104.A. Form C-104 completely filled out by the operator of the well must be filed in QUINTUPLICATE before an allowable will be assigned to any newly completed or recompleted well. (A recompleted well shall be considered one which has been deepened or plugged back to produce from a different pool than previously.) Form C-104 must be accompanied by a tabulation of all deviation tests taken on the well as provided by Rule 111. [1-1-65...2-1-96]

1105.A. Within 20 days following the completion or recompletion of any well, the operator shall file Form C-105 with the Division. It must be filed in QUINTUPLICATE and each copy accompanied by a summary of all special tests conducted on the well, including drill stem tests. In addition, one copy of all electrical and radio-activity logs run on the well must be filed with Form C-105. If the Form C-105 with attached log(s) and summaries is not received by the Division within the specified 20-day period, the allowable for the well will be withheld until this rule has been complied with. [1-1-65...2-1-96]

Due to the fact that this well is apparently in violation to the above rules, this well is to be shut-in today as of June 22, 2004. Furthermore, said well is to remain shut-in until compliance of these rules are met. Please call me if you have any questions regarding this matter.

Yours truly,

Bryan G. Arrant  
PES

E mail: Tim Gurn, District Supervisor-Artesia  
David K. Brooks, Legal Council-Santa Fe

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. WAGON WHEEL 13 FEDERAL 1
2. Name of Operator CIMAREX ENERGY CO		9. API Well No. 30-015-33260-00-X1
3a. Address 15 E 5TH ST STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918.295.1727	10. Field and Pool, or Exploratory WILDCAT MORROW
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T22S R22E NESW 1980FSL 1980FWL		11. County or Parish, and State EDDY COUNTY, NM

RECEIVED

APR 08 2004

OFFICE OF ARTESIA

12. CHECK APPROPRIATE BOX(ES) TO 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 type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Drilling Operations
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. 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 recompleat 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.)

Production casing was set on 3-31-04 at 9870' as follows: hole size 7 7/8", casing 5 1/2", 17# N80 LTC casing. Cement used was 1000 sks 50/50 POZ w/ .3% Halad + 5 pps salt + .25 pps celloflake + .1% HR-7 @ 14.2 ppg.

The rig was released on 3/31/04 and we are currently awaiting completion operations.

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

**Electronic Submission #29185 verified by the BLM Well Information System  
For CIMAREX ENERGY CO, sent to the Carlsbad  
Committed to AFMSS for processing by ARMANDO LOPEZ on 04/02/2004 (04AL0171SE)**

Name (Printed/Typed) MICHELLE FARRELL	Title DRILLING TECH
Signature (Electronic Submission)	Date 04/01/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	LES BABYAK Title PETROLEUM ENGINEER	Date 04/06/2004
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 operations thereon.		Office Carlsbad

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  
P.O. Box 1880, Hobbs, NM 88241-1880

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 88, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION  
P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number <b>30-015-33260</b>	Pool Code <b>79030</b>	Pool Name <b>Indian Basin Morrow, SW</b>
Property Code <b>33561</b>	Property Name <b>WAGON WHEEL FEDERAL 13</b>	Well Number <b>1</b>
OGRID No. <b>215079</b>	Operator Name <b>CIMAREX ENERGY COMPANY</b>	Elevation <b>4364'</b>

Surface Location

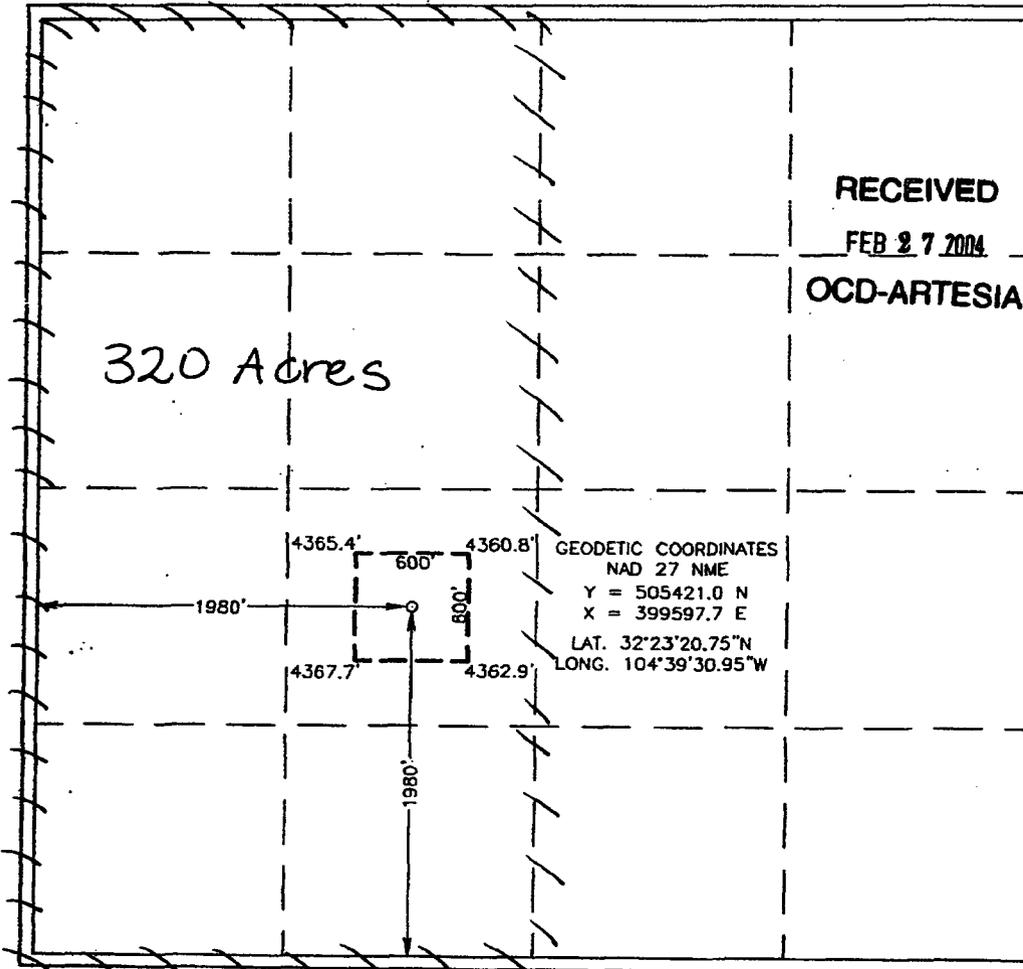
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	22-S	22-E		1980	SOUTH	1980	WEST	EDDY

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.

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



GEODETIC COORDINATES  
 NAD 27 NME  
 Y = 505421.0 N  
 X = 399597.7 E  
 LAT. 32°23'20.75"N  
 LONG. 104°39'30.95"W

RECEIVED  
 FEB 27 2004  
 OCD-ARTESIA

**OPERATOR CERTIFICATION**

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

*Michelle Farrell*  
 Signature  
 Michelle Farrell  
 Printed Name  
 Drilling Tech  
 Title  
 2-24-04  
 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.

JANUARY 07, 2004

Date Surveyed \_\_\_\_\_ L.A.  
 Signature: *Gary Ebbson*  
 Professional Surveyor  
 GARY EBBSON  
 0311413  
 Certified No. GARY EBBSON 12841

**NMDOC**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

5. Lease Serial No.  
**NMNM100586**

6. If Indian, Allottee or Tribe Name

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
**WAGON WHEEL 13 FEDERAL 1**

2. Name of Operator  
**CIMAREX ENERGY CO**  
Contact: **MICHELLE FARRELL**  
E-Mail: **mfarrell@cimarex.com**

9. API Well No.  
**30-015-33260-00-X1**

3a. Address  
**15 E 5TH ST STE 1000  
TULSA, OK 74103**

3b. Phone No. (include area code)  
Ph: **918.295.1727** **RECEIVED**

10. Field and Pool, or Exploratory  
**WILDCAT MORROW**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 13 T22S R22E NESW 1980FSL 1980FWL**  
**MAR 1 6 2004**  
**OCD-ARTESIA**

11. County or Parish, and State  
**EDDY COUNTY, NM**

**12. CHECK APPROPRIATE BOX(ES) TO 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 type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Well Spud
	<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	

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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. 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.)

Cimarex Energy spudded this well on 2-29-04. Surface casing was set on 3-3-04 at 1050' as follows: hole 17 1/2", casing 13 3/8" 61# J-55 ST&C casing. Cement used was 100 sks Thixotropic, 650 sks lead w/ 11.4 yield, tail 200 sks 14.8# yield plus 2% cc, cement was circulated back to surface and job witnessed by BLM official.  
Intermediate casing was set on 3-6-04 at 2300' as follows: hole 12 1/4", casing 9 5/8" 36# K55 LT&C casing. Cement used was 315 sks Interfill "c" mixed @ 11.5 ppg, tail w/ 225 sks Prem w/ 1% CaCl2 mixed @ 14.8 ppg.  
No unusual or hazardous circumstances were encountered with either of the jobs.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #28789 verified by the BLM Well Information System**  
**For CIMAREX ENERGY CO, sent to the Carlsbad**  
**Committed to AFMSS for processing by ARMANDO LOPEZ on 03/11/2004 (04AL0154SE)**

Name (Printed/Typed) **MICHELLE FARRELL** Title **DRILLING TECH**

Signature (Electronic Submission) Date **03/11/2004**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By **ACCEPTED** Title **ALEXIS C SWOBODA** Date **03/15/2004**  
Title **PETROLEUM ENGINEER**

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 operations thereon.

Office **Carlsbad**

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**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.*

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MAR - 4 2004

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

OCD-ARTESIA

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. WAGON WHEEL 13 FEDERAL 1 33561
2. Name of Operator CIMAREX ENERGY CO 215099		9. API Well No. 30-015-33260
3a. Address 15 E 5TH ST STE 1000 TULSA, OK 74103	3b. Phone No. (include area code) Ph: 918.295.1727	10. Field and Pool, or Exploratory WILDCAT MORROW
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T22S R22E NESW 1980FSL 1980FWL		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Alter Casing
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Deepen
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plug and Abandon
	<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 type="checkbox"/> Other

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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. 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.)

Cimarex Energy Co. would like to propose a change to our 13 3/8" casing design. We request approval to run 13 3/8" 54.5# and 61# J-55 casing instead of the previously subbmited and approved 48# J-55 casing.

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

**Electronic Submission #28377 verified by the BLM Well Information System  
For CIMAREX ENERGY CO, sent to the Carlsbad  
Committed to AFMSS for processing by ARMANDO LOPEZ on 03/01/2004 (04AL0140SE)**

Name (Printed/Typed) MICHELLE FARRELL	Title DRILLING TECH
Signature (Electronic Submission)	Date 03/01/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By LES BABYAK	Title PETROLEUM ENGINEER	Date 03/02/2004
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 operations thereon.		Office Carlsbad

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.

NMOC D

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

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

**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.*  
MAR - 2 2004  
OGD-ARTESIA

5. Lease Serial No.  
NMNM100586  
6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side.**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
WAGON WHEEL 13 FEDERAL 1

2. Name of Operator  
CIMAREX ENERGY CO  
Contact: MICHELLE FARRELL  
E-Mail: mfarrell@cimarex.com

9. API Well No.

3a. Address  
15 E 5TH ST STE 1000  
TULSA, OK 74103

3b. Phone No. (include area code)  
Ph: 918.295.1727  
Fx: 918.749.8059

10. Field and Pool, or Exploratory  
WILDCAT MORROW

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 13 T22S R22E NESW 1980FSL 1980FWL

11. County or Parish, and State  
EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Drilling Operations
	<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	

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 zones. 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.)

Cimarex Energy Co would like to propose a BOP change requesting to nipple up an annular preventer only on the surface casing. Full BOP stack with ram preventers will be nipples up on the 9 5/8" intermediate casing rather than the 13 3/8" surface casing.

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

Electronic Submission #28293 verified by the BLM Well Information System  
For CIMAREX ENERGY CO, sent to the Carlsbad  
Committed to AFMSS for processing by LINDA ASKWIG on 02/25/2004 (04LA0196SE)

Name (Printed/Typed) MICHELLE FARRELL	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 02/25/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By ALEXIS C SWQBODA	Title PETROLEUM ENGINEER	Date 02/26/2004
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 operations thereon.		Office Carlsbad

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*NMOC*

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

**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.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

**RECEIVED**

**FEB 25 2004**

**OC D ARTESIA**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMNM100586
2. Name of Operator CIMAREX ENERGY CO		6. If Indian, Allottee or Tribe Name
3a. Address 15 E 5TH ST STE 1000 TULSA, OK 74103		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 918.295.1727 Fx: 918.749.8059		8. Well Name and No. WAGON WHEEL 13 FEDERAL 1
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T22S R22E NESW 1980FSL 1980FWL		9. API Well No.
		10. Field and Pool, or Exploratory WILDCAT MORROW
		11. County or Parish, and State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<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	

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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. 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 recompleat 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.)

Cimarex Energy Co. plans to spud the well on or about February 26, 2004 for the purpose of conducting drilling operations across the end of the primary term of Federal Lease NM 92740 which expires 2-29-04. Additionally, The 11th year rental to the MMS has been paid.

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #28122 verified by the BLM Well Information System For CIMAREX ENERGY CO, sent to the Carlsbad Committed to AFMSS for processing by LINDA ASKWIG on 02/23/2004 (04LA0181SE)</b>	
Name (Printed/Typed) MICHELLE FARRELL	Title DRILLING TECHNICIAN
Signature (Electronic Submission)	Date 02/19/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	ALEXIS C SWOBODA Title PETROLEUM ENGINEER <i>ASW</i>	Date 02/24/2004
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 operations thereon.		Office Carlsbad

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. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. US NM 100586
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Cimarex Energy Co. Undes. Indian Basin, Morrow SW		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 15 East 5 <sup>th</sup> Street, Ste. 1000, Tulsa, OK 74103		8. Lease Name and Well No. Wagon Wheel '13' Federal #1
3b. Phone No. (include area code) (918) 295-1710		9. API Well No. N/A 30-015-33260
4. Location of Well (Report location clearly and in accordance with any State requirements) At surface 1980' from South Line and 1980' from West Line At proposed prod. zone same		10. Field and Pool, or Exploratory Exploratory
14. Distance in miles and direction from nearest town or post office* 30 miles West and 4 miles South of Carlsbad, New Mexico		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 13-22S-22E NMPM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1980'	16. No. of Acres in lease 1600.00 acres	12. County or Parish Eddy County
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. N/A	19. Proposed Depth 9,800'	13. State NM
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4364' GL	22. Approximate date work will start* 2/17/04	17. Spacing Unit dedicated to this well 640 acres
24. Attachments CARLSBAD CONTROLLED WATER BASIN		20. BLM/BIA Bond No. on file COB000011
23. Estimated duration 45 days		

RECEIVED  
FEB 20 2004  
OCD-ARTESIA

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

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

25. Signature 	Name (Printed/Typed) Steve Simonton	Date 1-14-04
Title Cimarex Energy Co. Drilling Superintendent		
Approved by (Signature) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date 17 FEB 2004
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the 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.

APPROVAL FOR 1 YEAR

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.

\*(Instructions on reverse)

Please address inquiries, questions, scheduling of meetings and deficiency statements, if any, to Will Reagan at the address shown below:

Reagan Resources, Inc.  
2525 NW Expressway, Suite 316  
Oklahoma City, Oklahoma 73112  
(405) 848-2707

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

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

DISTRICT II  
P.O. Drawer 00, Artesia, NM 88211-0719

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

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

State of New Mexico  
Energy, Minerals and Natural Resources Department

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name WAGON WHEEL FEDERAL	Well Number 1
OGRID No.	Operator Name CIMAREX ENERGY COMPANY	Elevation 4364'

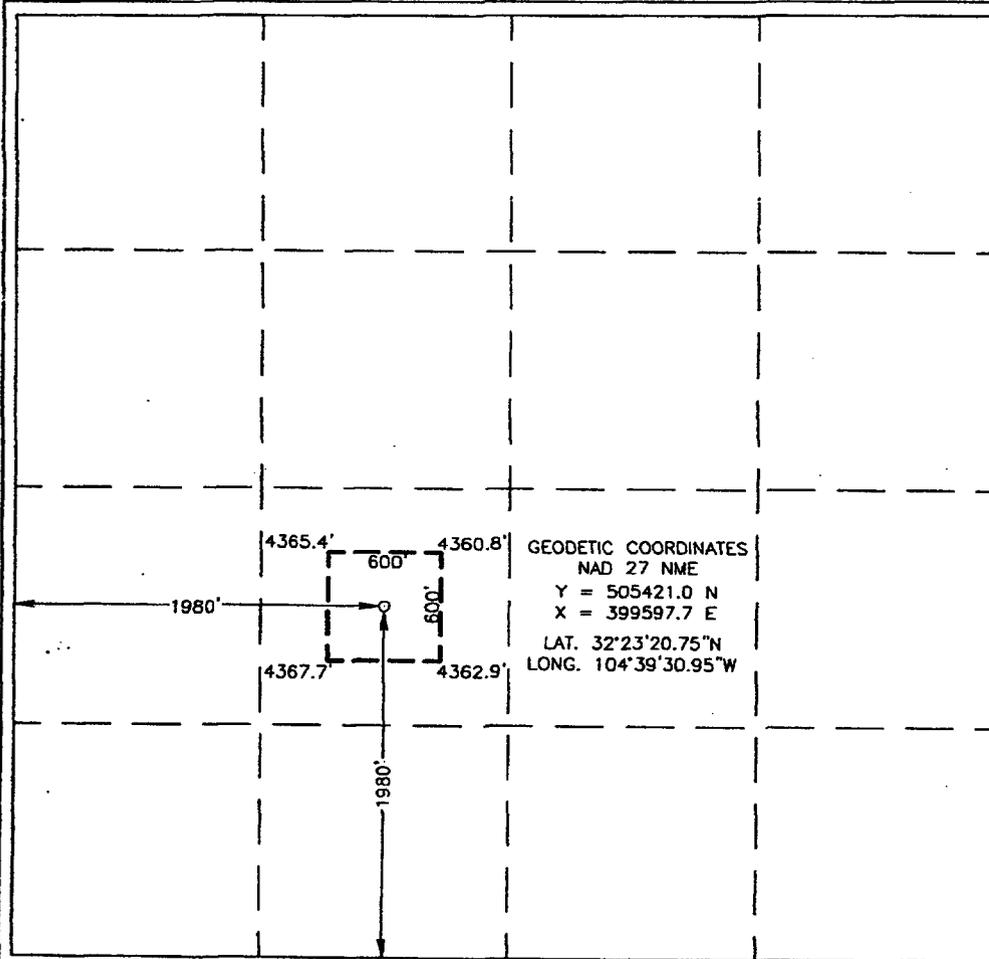
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	22-S	22-E		1980	SOUTH	1980	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.			

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 the information contained herein is true and complete to the best of my knowledge and belief.*

Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Title \_\_\_\_\_

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.*

JANUARY 07, 2004

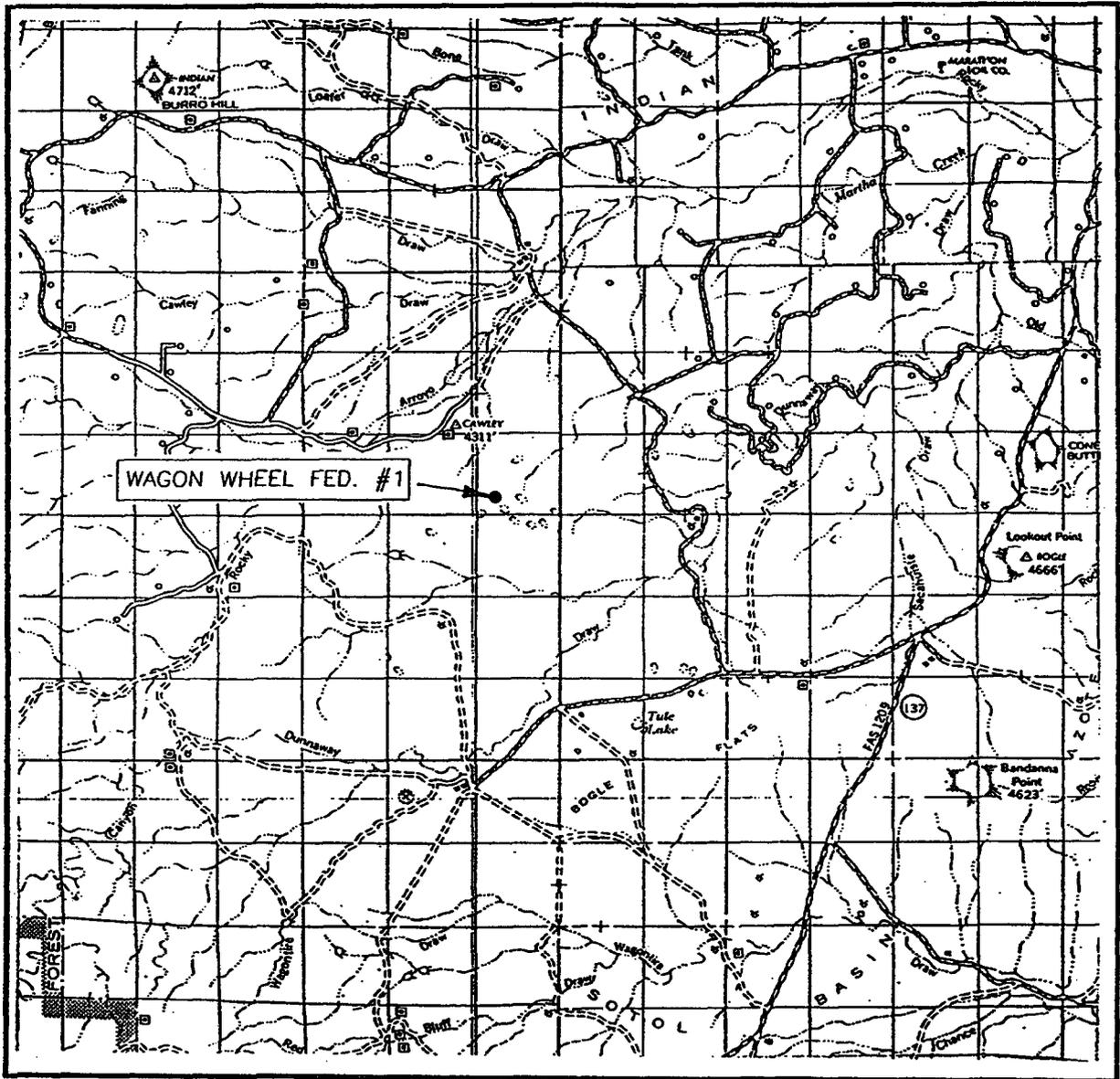
Date Surveyed \_\_\_\_\_ L.A. \_\_\_\_\_

Signature *GARY EDISON* Seal  
Professional Surveyor

*GARY EDISON* 4/2/04  
0311413

Cert. No. GARY EDISON 12841

# VICINITY MAP

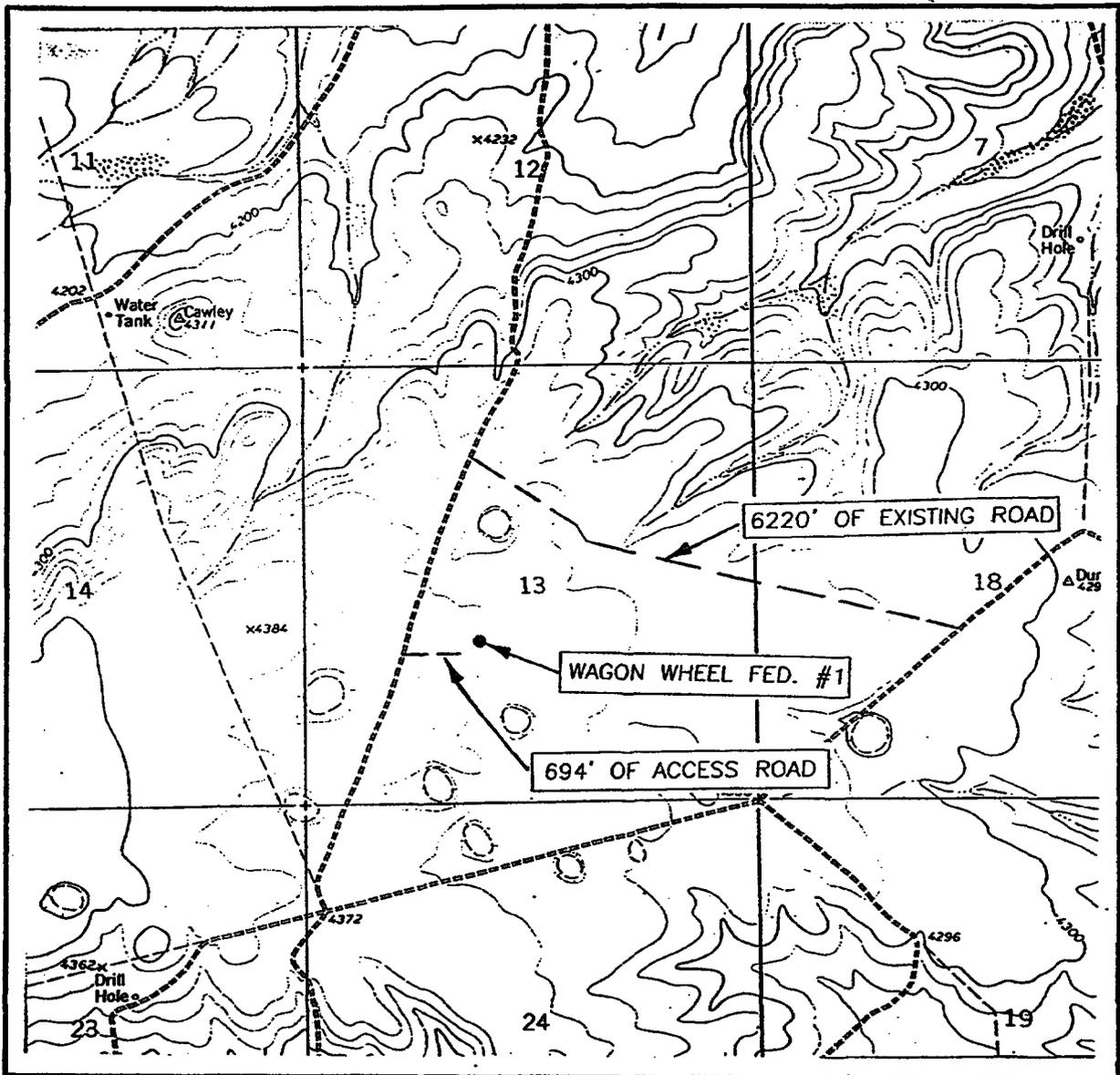


SCALE: 1" = 2 MILES

SEC. 13 TWP. 22-S. RGE. 22-E  
 SURVEY N.M.P.M.  
 COUNTY EDDY  
 DESCRIPTION 1980' FSL & 1980' FWL  
 ELEVATION 4364'  
 OPERATOR CIMAREX ENERGY COMPANY  
 LEASE WAGON WHEEL FEDERAL

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'  
CAWLEY DRAW, N.M.

SEC. 13 TWP. 22-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION 4364'

OPERATOR CIMAREX ENERGY COMPANY

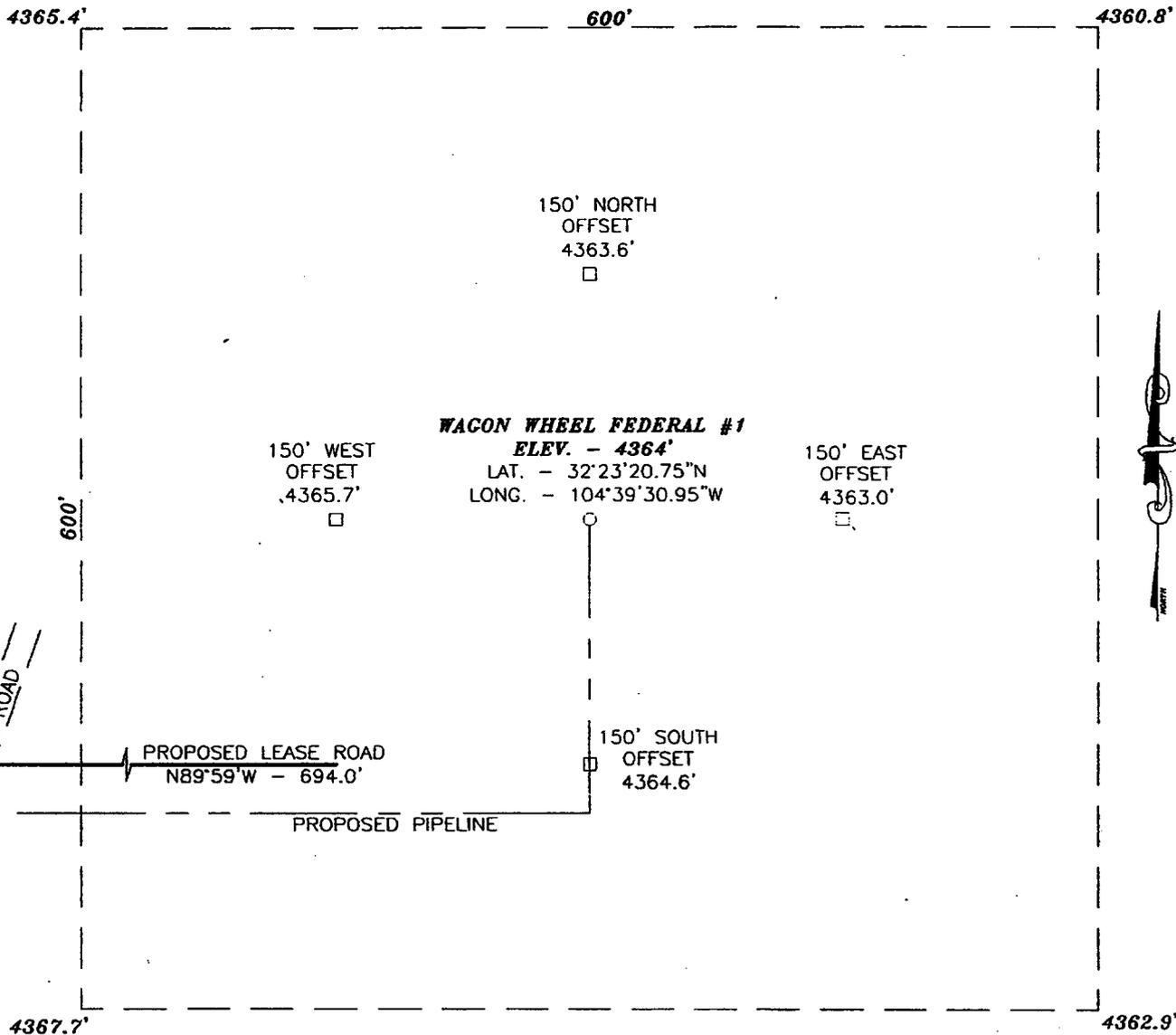
LEASE WAGON WHEEL FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

CAWLEY DRAW, N.M.

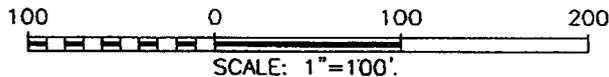
**JOHN WEST SURVEYING  
HOBBS, NEW MEXICO  
(505) 393-3117**

SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, N.M.P.M.,  
 EDDY COUNTY, NEW MEXICO.



DIRECTIONS TO LOCATION:

FROM THE MARATHON GAS PLANT (INDIAN BASIN) GO WEST APPROX. 1.0 MILE ON CO. RD. #401; TURN SOUTH ON LEASE ROAD AND GO 0.9 MILES TO A Y IN THE ROAD. TURN RIGHT (SOUTHWEST) AND GO 1.1 MILES TO A Y. TURN RIGHT (WESTERLY) AND GO 1.2 MILES TO A Y. TURN LEFT (SOUTHERLY) AND GO 1.7 MILES TO A T-INTERSECTION. TURN RIGHT (SOUTHWEST) AND GO 0.9 MILES TO A T-INTERSECTION. TURN LEFT AND MEANDER SOUTHERLY 1.1 MILES TO A CALICHE ROAD ON THE RIGHT. TURN ON CALICHE AND MEANDER WESTERLY 0.8 MILES TO A CALICHE ROAD ON THE RIGHT. TURN ON CALICHE ROAD AND GO NORTHWESTERLY 1.2 MILES TO A T-INTERSECTION. TURN LEFT (SOUTHWESTERLY) AND GO 0.5 MILES. THE AND PROPOSED LOCATION IS ON LEFT (EAST) APPROX. 800 FEET.



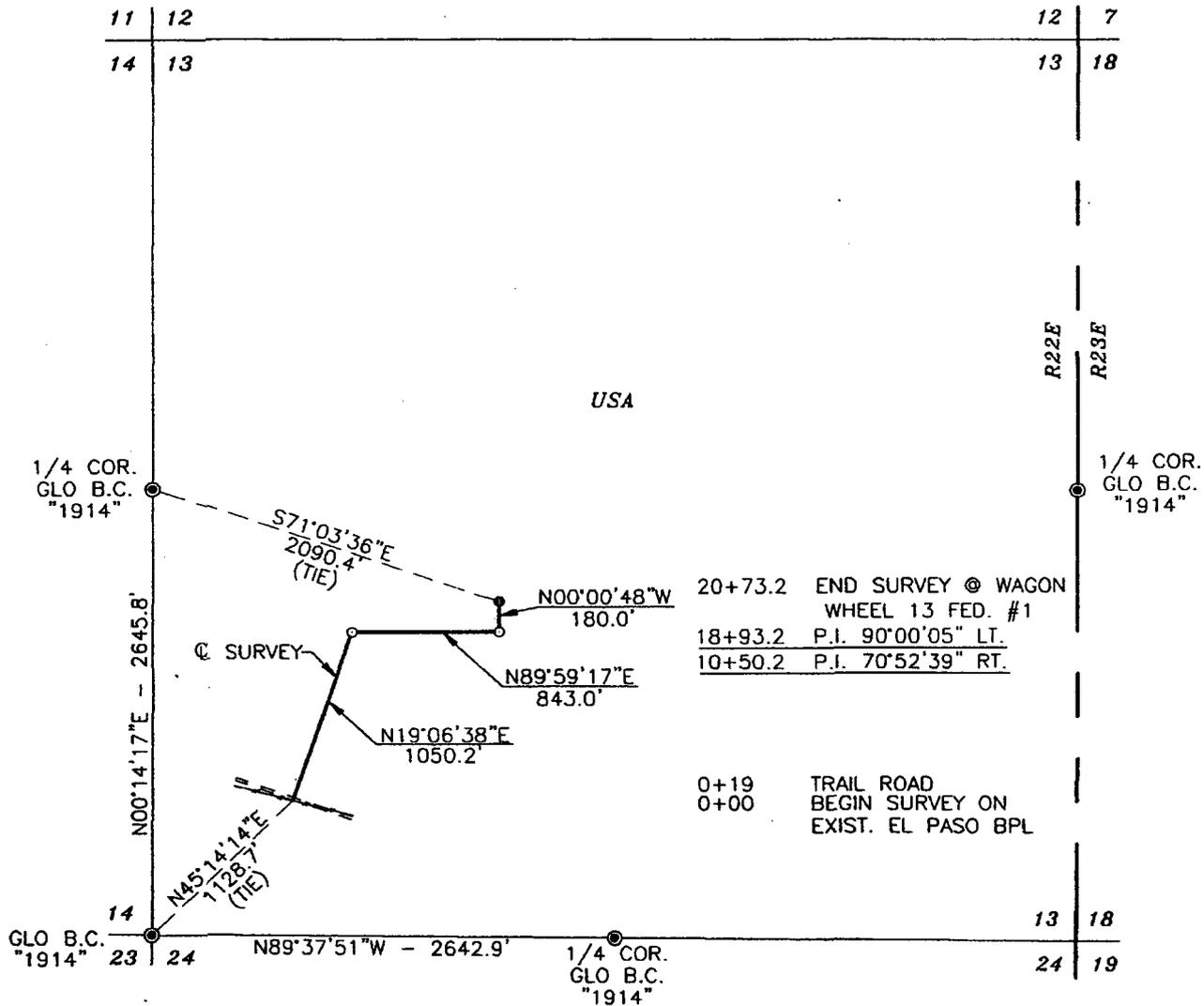
**CIMAREX ENERGY COMPANY**

THE WAGON WHEEL FEDERAL #1 LOCATED 1980 FROM THE SOUTH LINE AND 1980 FROM THE WEST LINE SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

JOHN WEST SURVEYING COMPANY  
 412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

Survey Date: 1/7/04	Sheet 1 of 1 Sheets
W.O. Number: 03.11.1413	Drawn By: L.A.
Date: 1/8/04	DISK:CD#3 03111413

SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



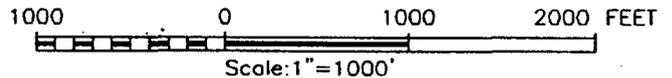
20+73.2 END SURVEY @ WAGON  
WHEEL 13 FED. #1  
18+93.2 P.I. 90°00'05" LT.  
10+50.2 P.I. 70°52'39" RT.

0+19 TRAIL ROAD  
0+00 BEGIN SURVEY ON  
EXIST. EL PASO BPL

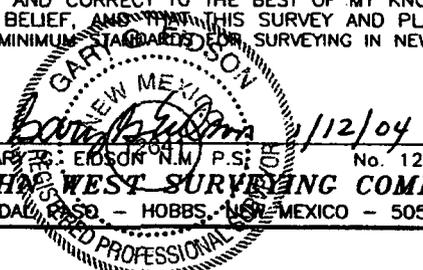
**DESCRIPTION**

A STRIP OF LAND 50.0 FEET WIDE AND 2073.2 FEET OR 0.393 MILES IN LENGTH CROSSING USA LAND IN SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST, NMPM, EDDY COUNTY, NEW MEXICO AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE CENTERLINE.

NOTE: BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.



I HEREBY CERTIFY THAT I DIRECTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

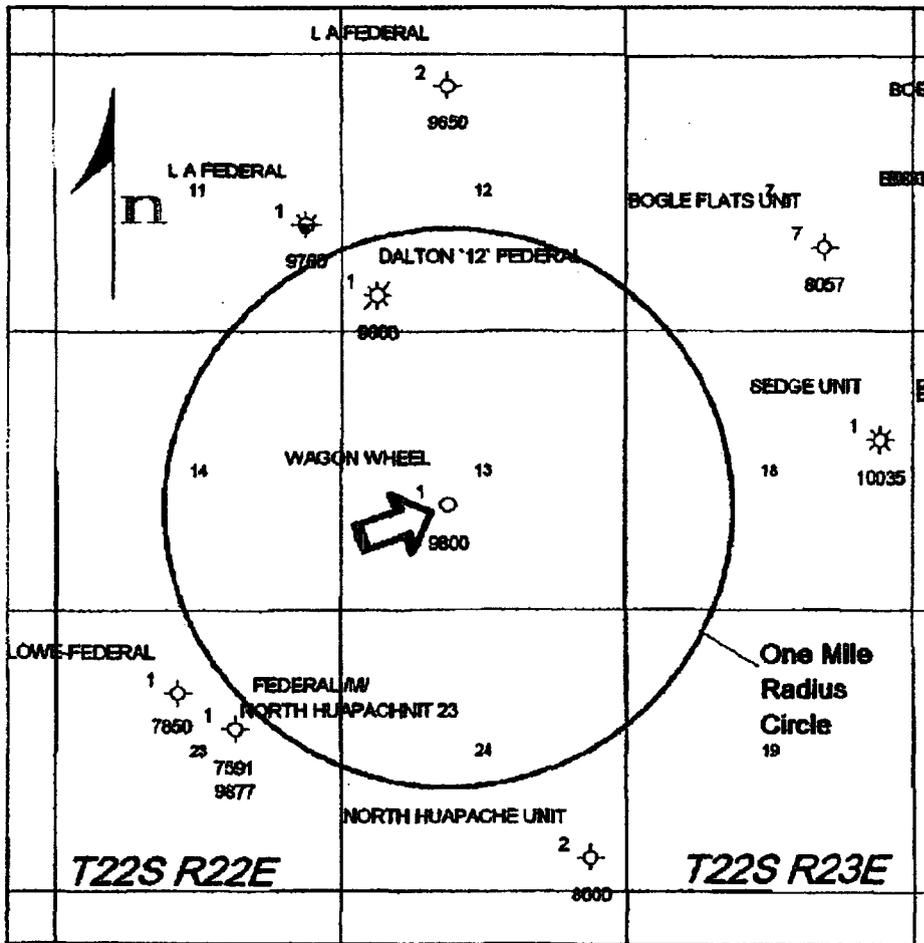


GARY E. EDSON (N.M.) P.S. No. 12641  
**JOHN WEST SURVEYING COMPANY**  
412 N. DALWOOD - HOBBS, NEW MEXICO - 505-393-3117

**CIMAREX ENERGY COMPANY**

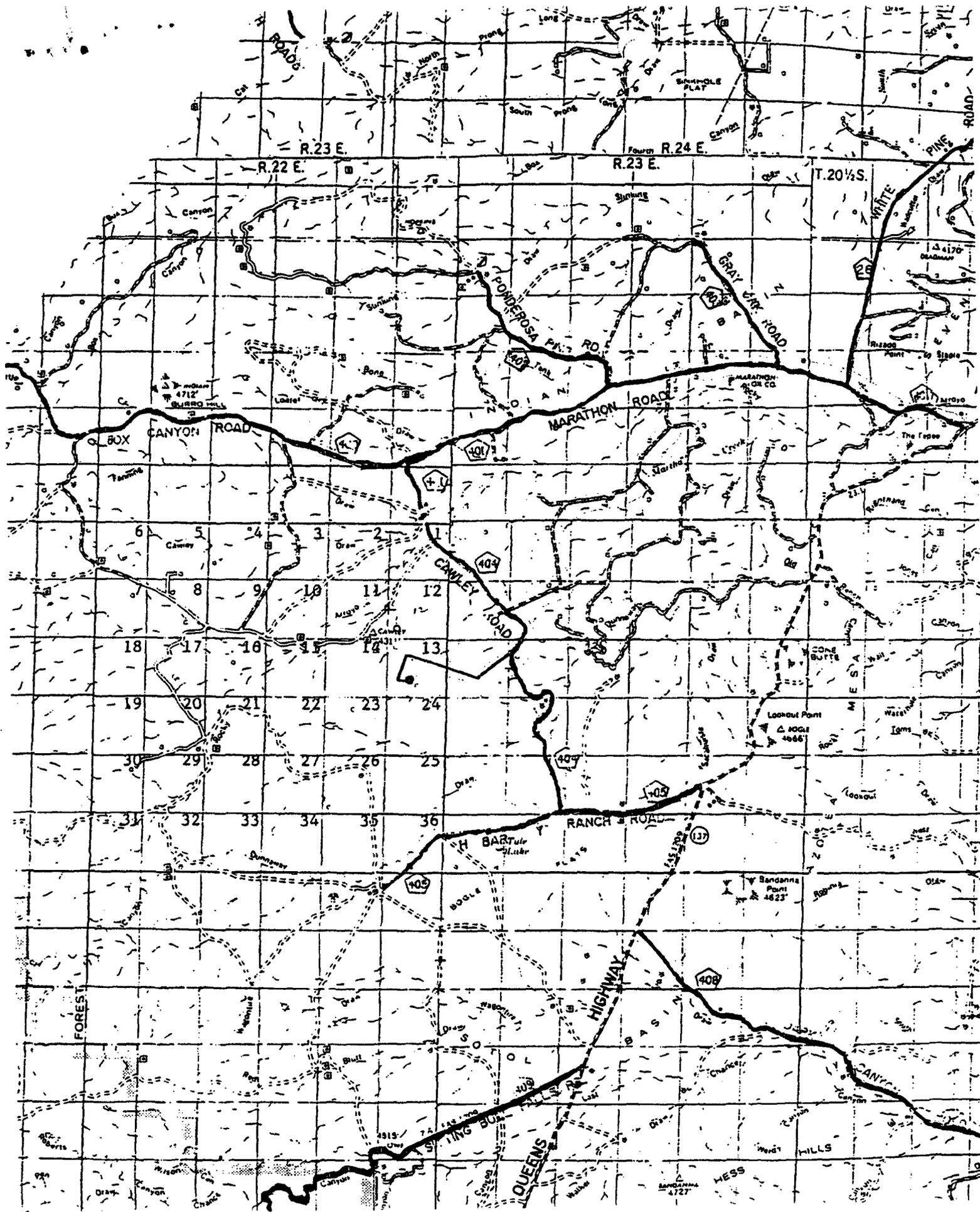
SURVEY A PIPELINE IN  
SECTION 13, TOWNSHIP 22 SOUTH, RANGE 22 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO

Survey Date: 1/7/04	Sheet 1 of 1 Sheets
W.O. Number: 03.11.1413	Drawn By: L.A.
Date: 1/8/04	DISK: CD#3
	03111413



1 inch = 4000 feet

<b><i>Cimarex Energy Co.</i></b>		
<b>Location Plat</b> <b>Proposed Wagon Wheel "13" Federal #1</b> <b>1980' FSL 1980' FWL Sec. 13-T228-R22E</b> <b>Eddy Co, NM</b>		
<b>Author:</b> Dave Kittersbacher		<b>Date:</b> 9 December, 2003
	<b>Scale:</b> 1"=4000'	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Roswell Resource Area  
P.O. Drawer 1857  
Roswell, New Mexico 88202-1857

Statement Accepting Responsibility for Operations

Operator Name : Cimarex Energy Co.  
Street or Box : 15 East 5<sup>th</sup> Street, Ste. 1000  
City, State : Tulsa, Oklahoma  
Zip Code : 74103

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.: US NM 100586

Legal Description of Land: 1980' FSL and 1980' FWL Section 13-T22S-R22E, NMPM, Eddy County, New Mexico (Wagon Wheel '13' Federal #1)

Formation(s) (if applicable): Morrow

Bond Coverage: (State if individually bonded or another's bond)

BLM Bond File No.: COB000011

Authorized Signature: 

Steve Simonton

Title: Drilling Superintendent

Date: 1/21/04

DISTRICT I  
P.O. Box 1886, Hobbs, NM 88241-1886

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 80, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name WAGON WHEEL FEDERAL	Well Number 1
OGRID No.	Operator Name CIMAREX ENERGY COMPANY	Elevation 4364'

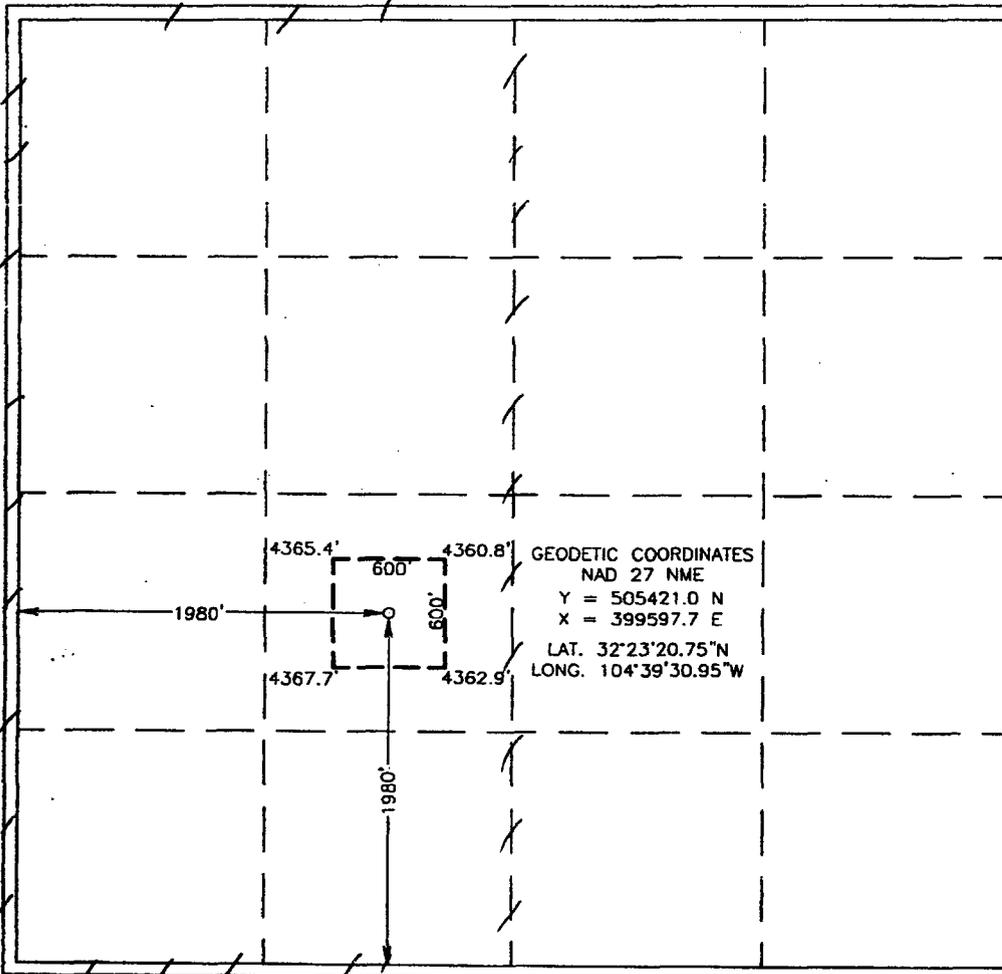
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	13	22-S	22-E		1980	SOUTH	1980	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.						

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

*[Signature]*  
Signature

Steve J. Simpson  
Printed Name

Dr. Supt.  
Title

1/21/04  
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.

JANUARY 07, 2004

Date Surveyed \_\_\_\_\_ L.A.

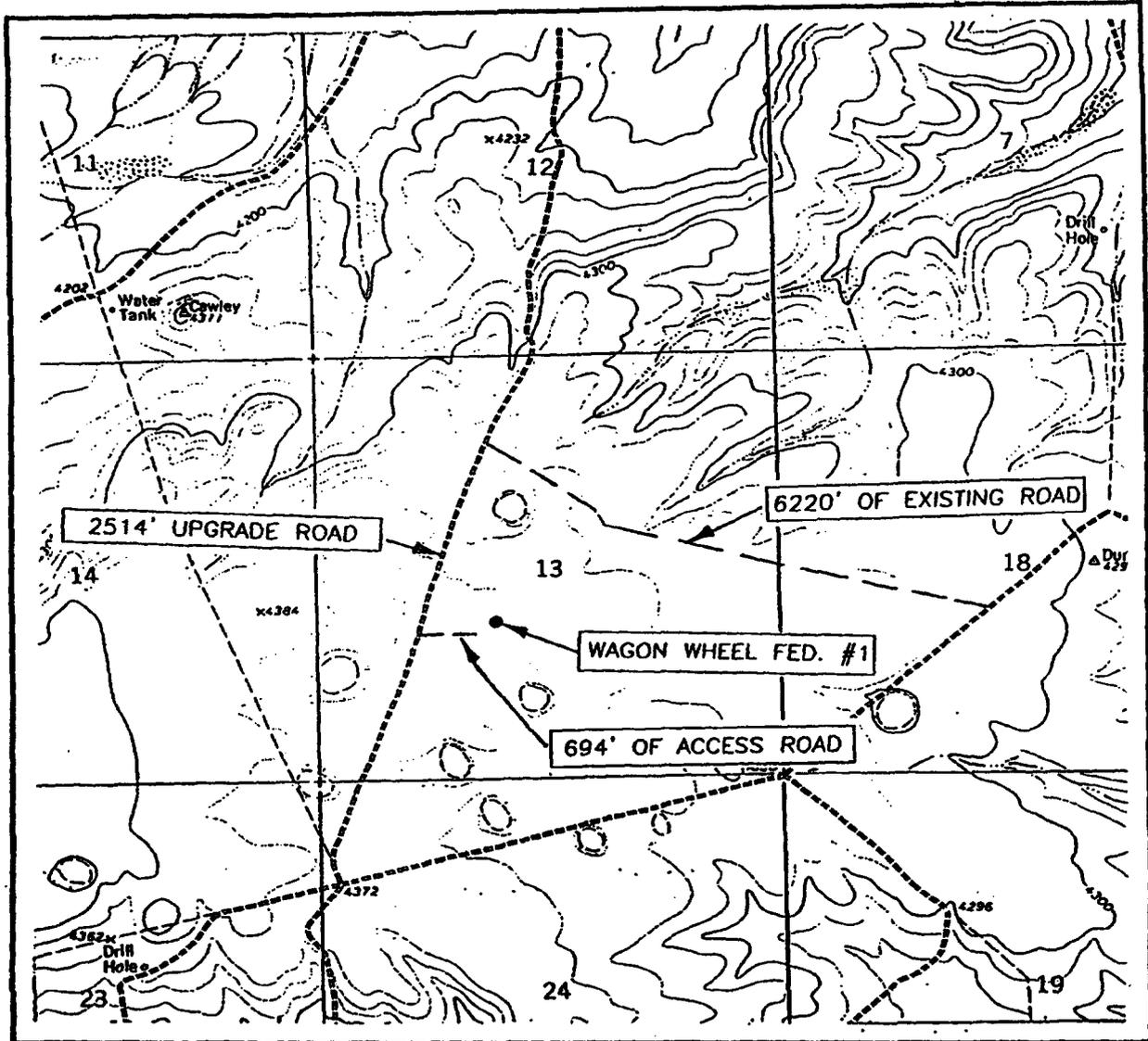
*[Signature]*  
Signature & Seal

Professional Surveyor

*[Seal]*  
NEW MEXICO  
03111413

Certificate No. GARY EBBSEN 12641

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'  
CAWLEY DRAW, N.M.

SEC. 13 TWP. 22-S RGE. 22-E

SURVEY \_\_\_\_\_ N.M.P.M.

COUNTY \_\_\_\_\_ EDDY

DESCRIPTION 1980' FSL & 1980' FWL

ELEVATION \_\_\_\_\_ 4364'

OPERATOR CIMAREX ENERGY COMPANY

LEASE WAGON WHEEL FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

CAWLEY DRAW, N.M.

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

CMD :  
OG6C101

ONGARD  
C101-APPLICATION FOR PERMIT TO DRILL

11/02/04 13:34:15  
OGOMES -TPXL

OGRID Idn : 17891 API Well No: 30 15 32050 APD Status(A/C/P): C  
Opr Name, Addr: POGO PRODUCING CO Aprvl/Cncl Date : 06-06-2003  
PO BOX 10340  
MIDLAND, TX 79702-7340

Prop Idn: 28497 DALTON 13 FEDERAL Well No: 2

	U/L	Sec	Township	Range	Lot Idn	North/South	East/West
Surface Locn :	C	13	22S	22E		FTG 660 F N	FTG 1400 F W
OCD U/L :	C		API County :	15			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): G Cable/Rotary (C/R) : R  
Lease typ(F/S/P/N/J/U/L): F Ground Level Elevation : 4350

State Lease No: NM 100596 Multiple Comp (S/M/C) : S  
Prpsd Depth : 10000 Prpsd Frmtn : UND MORROW

E6927: Well is cancelled

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM  
PF07 PF08 PF09 PRINT PF10 C102 PF11 HISTORY PF12

*APD Relis only - well never drilled*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

CSF

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK  
 DRILL  DEEPEN

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

2. NAME OF OPERATOR  
 POGO PRODUCING COMPANY (RICHARD WRIGHT 915-685-8140)

3. ADDRESS AND TELEPHONE NO.  
 P.O. BOX 10340 MIDLAND, TEXAS 79702-7340 (915-695-8100)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 660' FNL & 1400' FWL SEC. 13 T22S-R22E EDDY CO. NM  
 At proposed prod. zone: 660' FNL & 660' FWL SEC. 13 T22S-R22E  
 SUBJECT TO LEASE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 30 miles West of Carlsbad, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit lline, if any)  
 660'

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2000'

19. PROPOSED DEPTH  
 10,000'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4350' GR. **Carlsbad Controlled Water Basin**

22. APPROX. DATE WORK WILL START\*  
 WHEN APPROVED

5. LEASE DESIGNATION AND SERIAL NO.  
 NM-100586

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 \_\_\_\_\_

7. UNIT AGREEMENT NAME  
 \_\_\_\_\_

8. FARM OR LEASE NAME, WELL NO.  
 DALTON "13" FEDERAL # 2

9. AP WELL NO.  
 30-015-32050

10. FIELD AND POOL, OR WILDCAT  
 UNDES. - MORROW

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 13 T22S-R22E

12. COUNTY OR PARISH  
 EDDY CO.

13. STATE  
 NEW MEXICO

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
2 5/8"	Conductor	NA	40'	Cement to surface with Redi-mix.
1 7/8"	J-55 13 3/8"	54.5	1000'	1200 Sx. circulate cement to surface.
1 1/2"	J-55 9 5/8"	40	2300'	1000 Sx. " " " "
8 1/2"	N-80 7"	26	7610' MD	775 Sx. 3 stages top of cement 1800'
6 1/8"	N-80 5"	18	10,000'	200 Sx. cement to top of liner

**APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED**

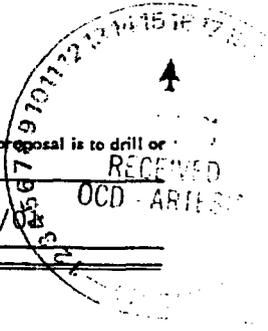
SEE ATTACHED SHEET

Pogo Producing Company accepts the responsibility for operations on this lease.

4. ABOVE SPACE DESCRIBE PROPOSED 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 preventer program, if any.

SIGNED Joe T. Janice TITLE Agent DATE 07/09/02

(This space for Federal or State office use)



PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

Application approval 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 operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY /s/ LESLIE A. THEISS TITLE FIELD MANAGER DATE OCT 15 2001

\*See Instructions On Reverse Side **APPROVAL FOR 1 YEAR**

POGO PRODUCING COMPANY  
DALTON "13" FEDERAL # 2  
UNIT "C" SECTION 13  
T22S-R22E EDDY CO. NM

1. Drill 25" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 1000'. Run and set 1000' of 13 3/8" 54.5# J-55 ST&C casing. Cement with 1200 Sx. of Class "C" cement + 2% CaCl + ¼# Flocele/Sx., circulate cement to surface.
3. Drill 12¼" hole to 2300'. Run and set 2300' of 9 5/8" 40# J-55 ST&C casing. Cement with 1000 Sx. of Class "C" cement + 2% CaCl, + ¼# Flocele/Sx. circulate cement to surface.
4. Drill 8½" hole to 7610' MD. Run and set 7610' of 7" 26# N-80 ST&C casing. Cement in three stages, DV Tools at 6000'±, 4500'±. 1st stage cement with 225 Sx. of Class "H" + additives, 2nd stage cement with 200 Sx. of Class "H" + additives. 3rd stage cement with 350 Sx. of Class "C" cement + additives. Estimate top of cement 1800' from surface.
5. Drill 6 1/8" hole to 10,000'. Run and set a 5" 18# N-80 ST&C liner from 10,000 TVD. Cement with 200 Sx. of Class "H" Premium Plus cement + additives. Cement to top of liner at 7400'.

DISTRICT I  
P.O. Box 1888, Hobbs, NM 88241-1888

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

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

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

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

AMENDED REPORT

API Number	Pool Code	Pool Name UNDES. - MORROW
Property Code	Property Name DALTON 13 FEDERAL	Well Number 2
OGRID No. 17891	Operator Name POGO PRODUCING COMPANY	Elevation 4350'

Surface Location

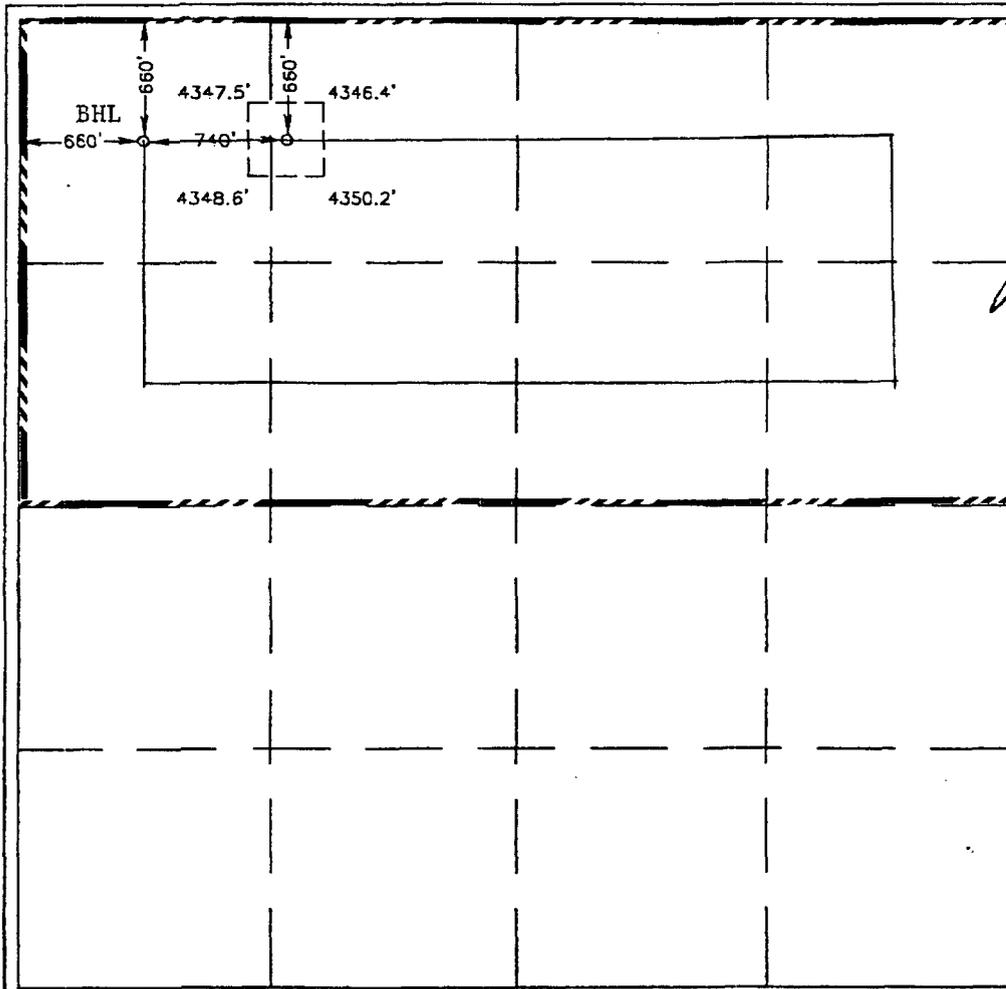
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	13	22-S	22-E		660	NORTH	1400	WEST	EDDY

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
D	13	22-S	22-E		660	NORTH	660	WEST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
------------------------	-----------------	--------------------	-----------

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

*Joe T. Janica*  
Signature

Joe T. Janica  
Printed Name

Agent  
Title

07/09/01  
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.

JUNE 11, 2001  
Date Surveyed

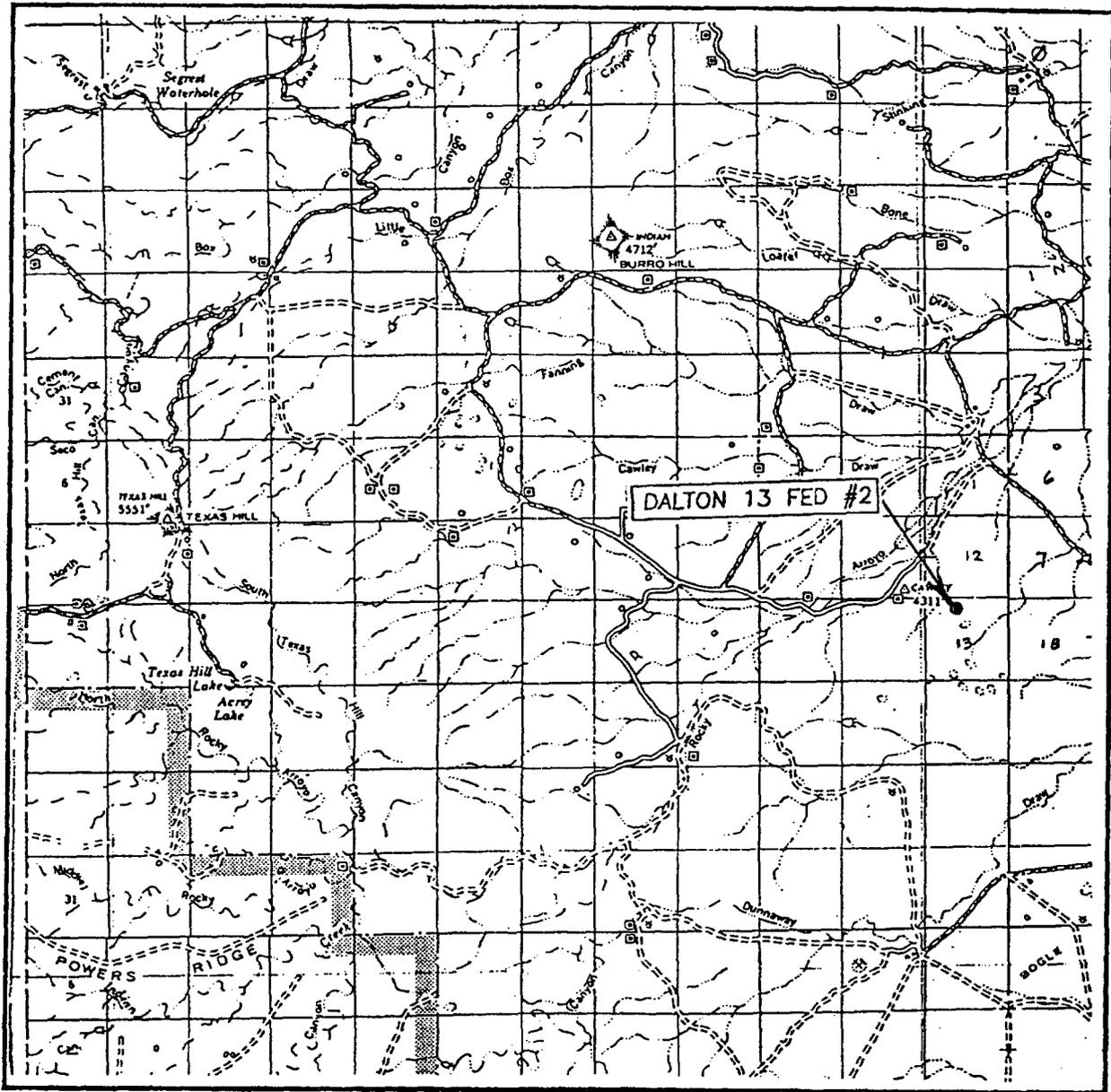
AWB

Signature & Seal of Professional Surveyor  
*Barry E. Edson*

01-11-0738

Certificate No. RONALD P. EDSON 3239  
GARY EDSON 12641

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 13 TWP. 22-S RGE. 22-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 660' FNL & 1400' FWL

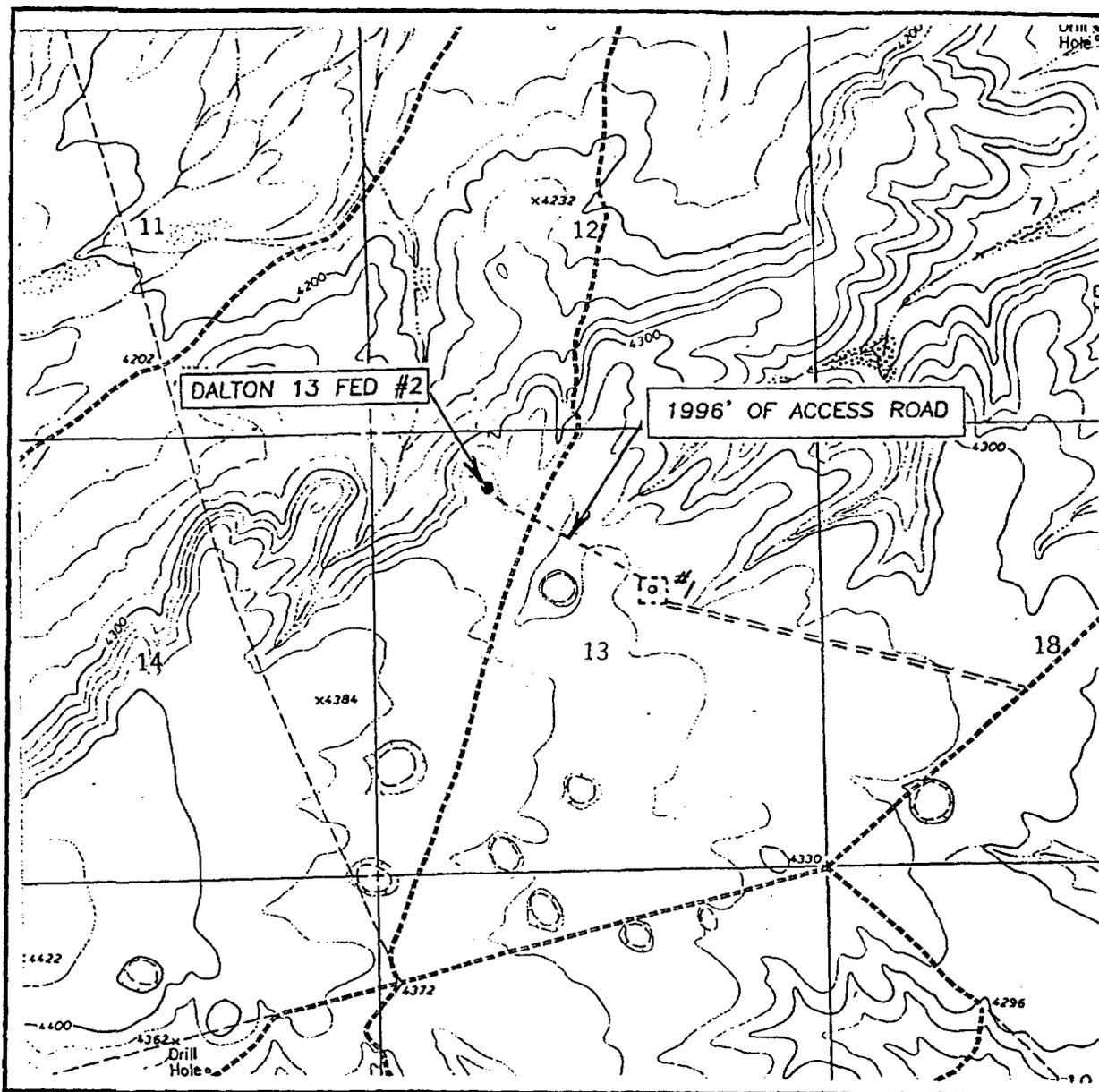
ELEVATION 4350'

OPERATOR POGO PRODUCING COMPANY

LEASE DALTON 13 FEDERAL

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

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL: 20'

SEC. 13 TWP. 22-S RGE. 22-E

CAWLEY DRAW, N.M.

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 660' FNL & 1400' FWL

ELEVATION 4350'

**JOHN WEST SURVEYING  
HOBBS, NEW MEXICO**

**(505) 393-3117**

OPERATOR POGO PRODUCING COMPANY

LEASE DALTON 13 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

CRAWLEY DRAW, N.M.

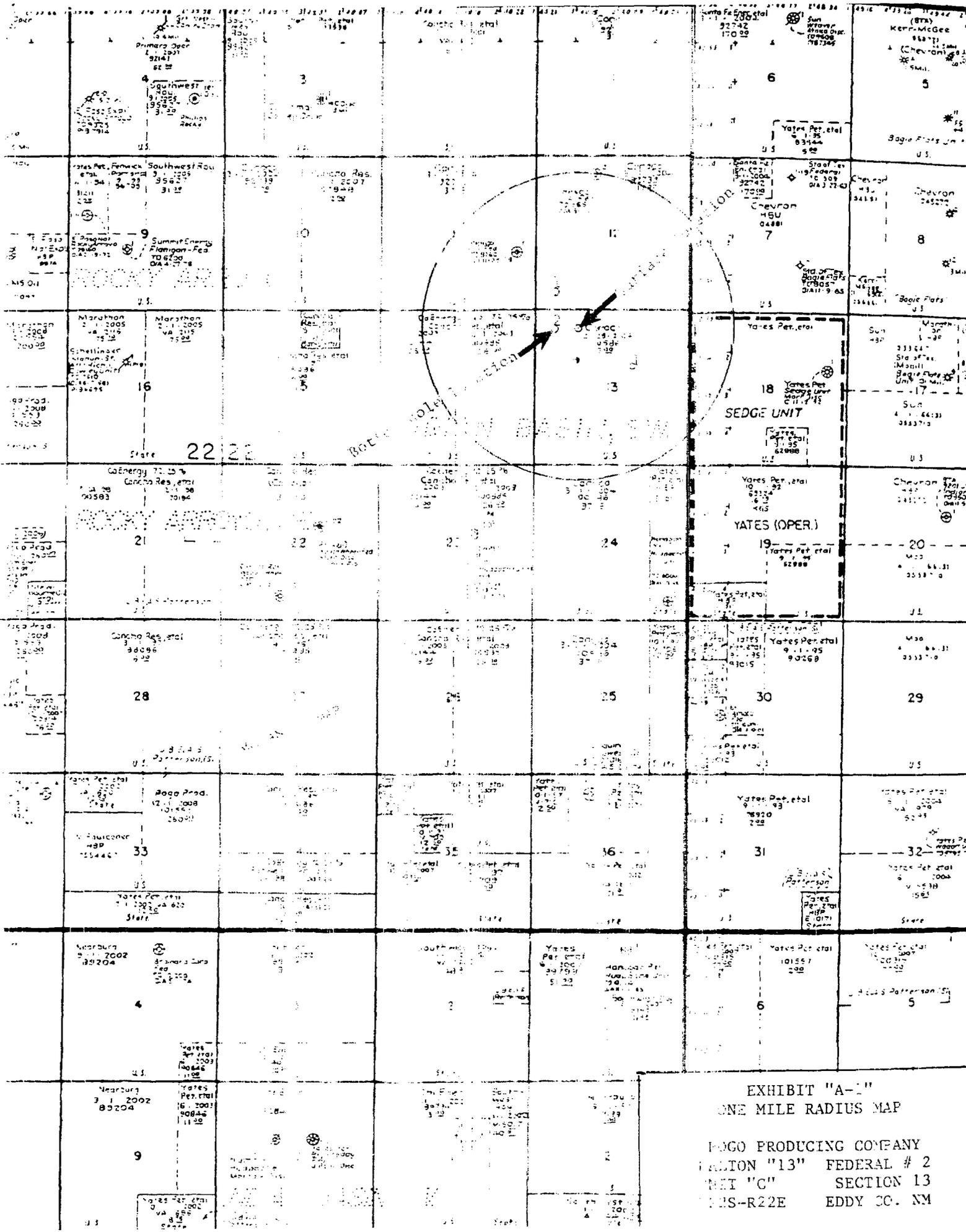


EXHIBIT "A-1"  
ONE MILE RADIUS MAP

LOGO PRODUCING COMPANY  
 WELLS "13" FEDERAL # 2  
 WELLS "C" SECTION 13  
 WBS-R22E EDDY CO. NM

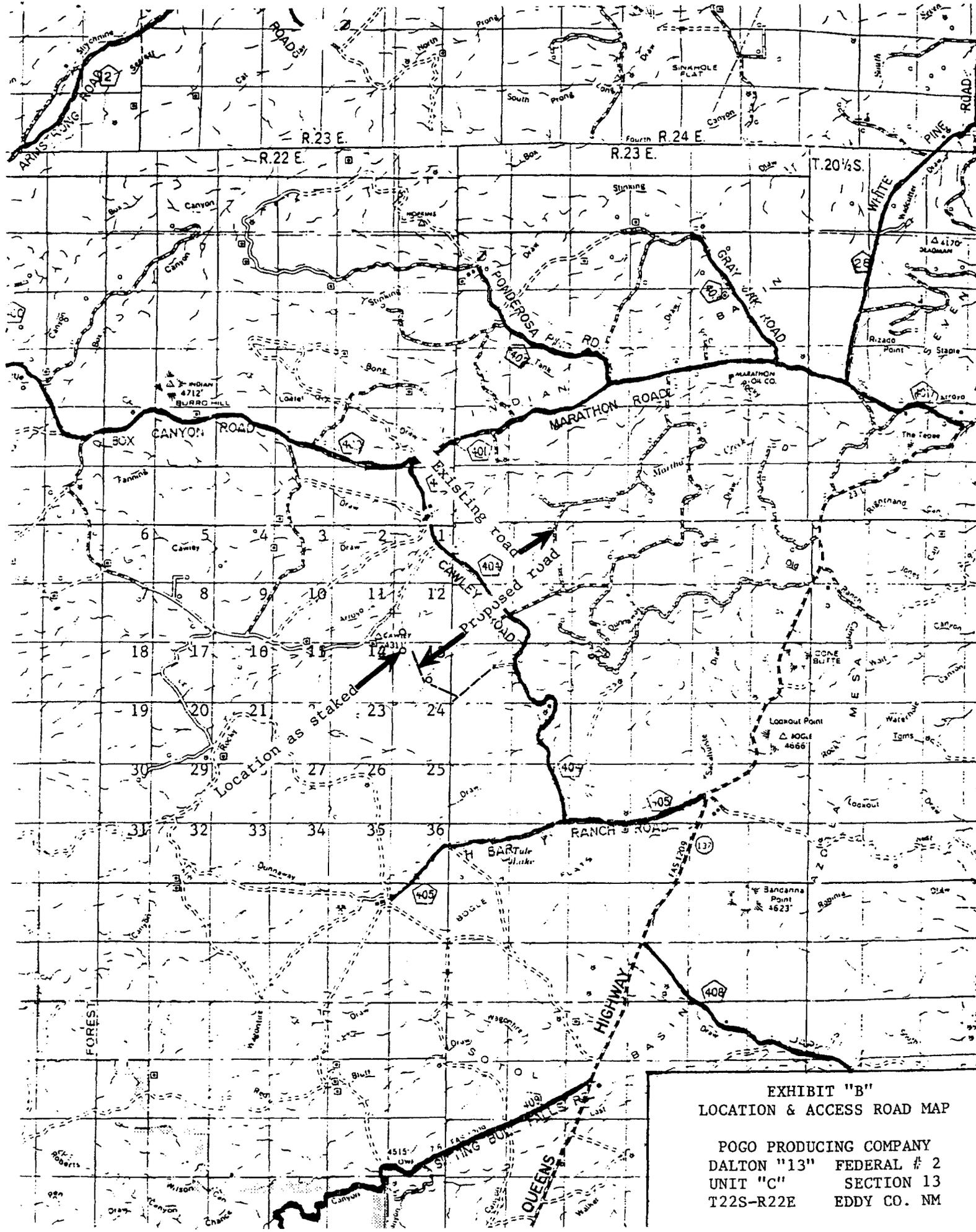


EXHIBIT "B"  
LOCATION & ACCESS ROAD MAP

POGO PRODUCING COMPANY  
DALTON "13" FEDERAL # 2  
UNIT "C" SECTION 13  
T22S-R22E EDDY CO. NM

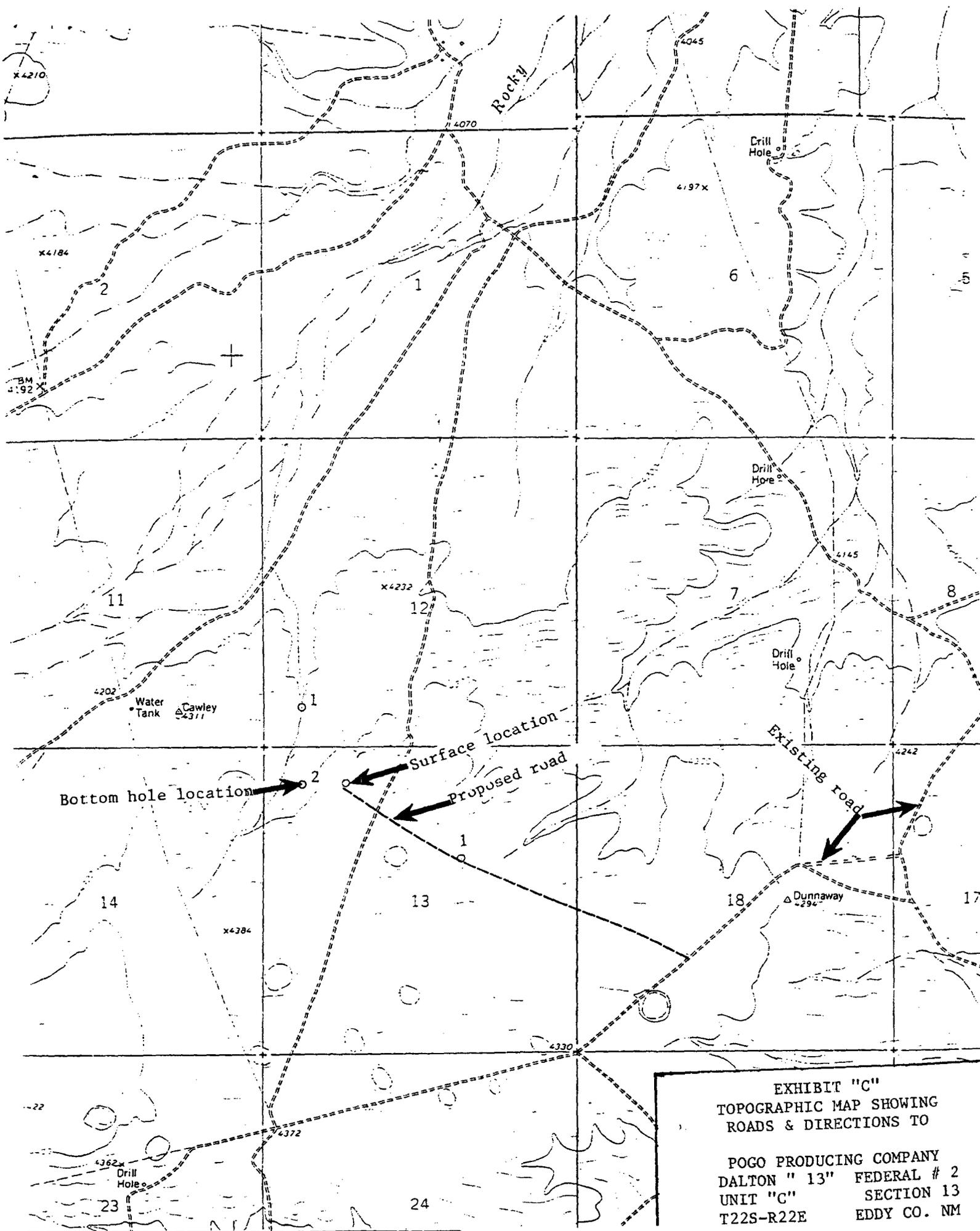


EXHIBIT "C"  
 TOPOGRAPHIC MAP SHOWING  
 ROADS & DIRECTIONS TO  
 POGO PRODUCING COMPANY  
 DALTON "13" FEDERAL # 2  
 UNIT "C" SECTION 13  
 T22S-R22E EDDY CO. NM