

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.

Print or Type Name \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 e-mail Address \_\_\_\_\_

# COG OPERATING LLC

Fasken Center, Tower II  
550 W. Texas Ave., Ste. 1300  
Midland, Texas 79701

June 28, 2005

(432) 683-7443  
FAX 683-7441

Michael E. Stogner  
Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), COG Operating LLC applies for approval of an unorthodox oil well location for the following well:

Well: M. D. Self Well No. 8  
Location: 1650 feet FWL & 1350 feet FNL  
Well Unit: SENW of Section 6, Township 26 South, Range 38 East,  
N.M.P.M., Lea County, New Mexico

The well will be drilled to test the Blinebry, Tubb & Drinkard formations (Justic, Blinebry, Tubb, Drink. Pool). The pool is spaced on 40 acres, with wells to be located no closer than 330 feet to a quarter-quarter section line.

The location is based on topographical reasons. An unorthodox location is required in order to avoid disturbing an archaeological site at the original location. Attached is a land plat and associated documentation. There are no affected offset working interest owners or royalty owners as the lease is federal lease BLM NMNM 0889 which covers the entirety of Section 6, Township 26 South, Range 38 East, as well as other acreage not herein set forth and is owned in its entirety by COG Oil & Gas LP of which COG Operating LLC is the general partner.

Should you have any questions or require any further information or clarification, please contact me at 432-685-4352 or by email at [jspradlin@conchoresources.com](mailto:jspradlin@conchoresources.com). Again, thank you for your prompt attention to this matter.

Very truly yours,

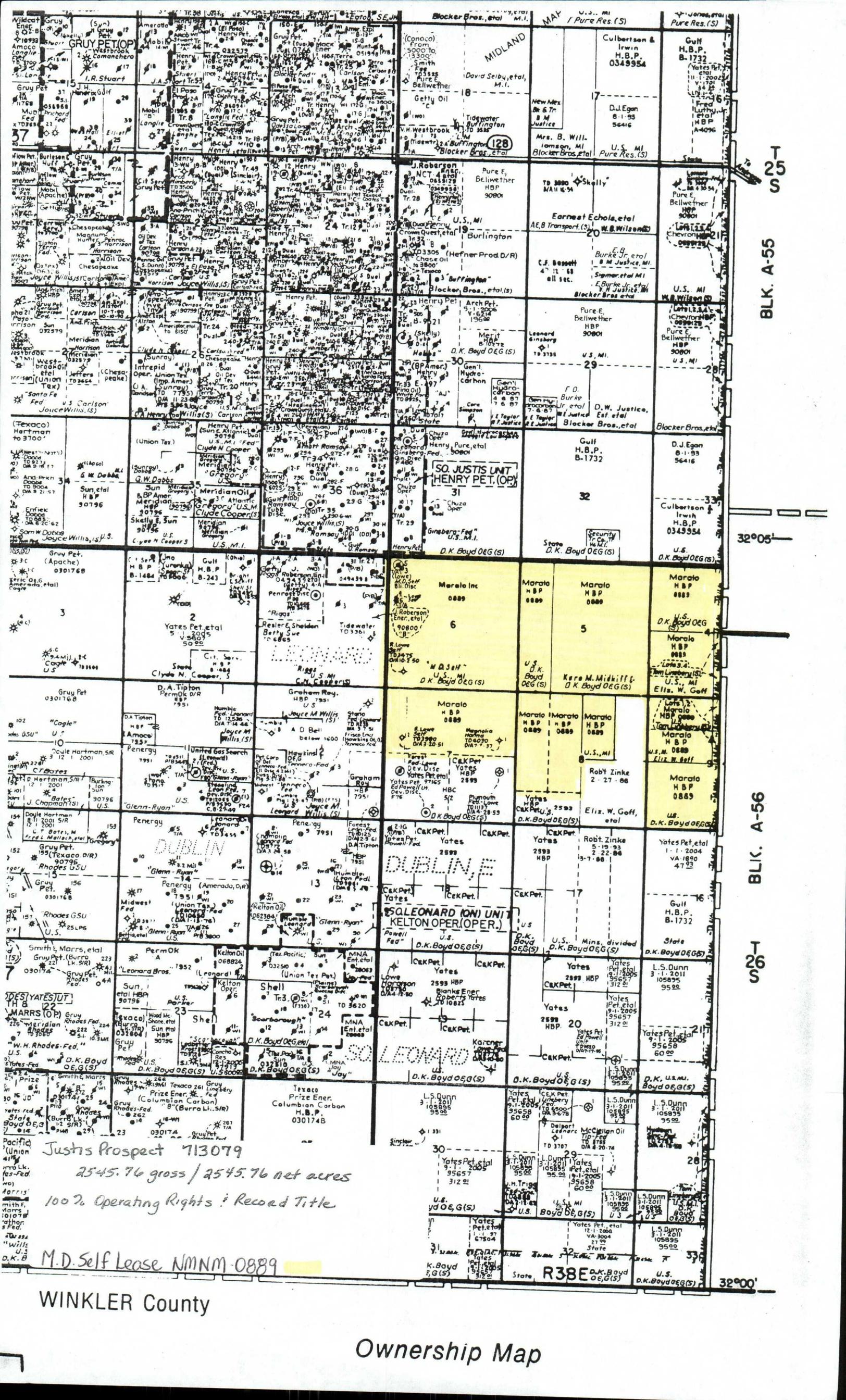
**COG OPERATING, LLC**



Jan Preston Spradlin, CPL  
Senior Landman

JPS/pj  
attachments

2005 JUL 5 PM 1 42



T 25 S

BLK. A-55

32°05'

BLK. A-56

T 26 S

32°00'

Justis Prospect 713079  
 2545.76 gross / 2545.76 net acres  
 100% Operating Rights + Record Title

M.D. Self Lease NMNM-0889

WINKLER County

Ownership Map

R38E

BLM Rel. 8-20 10/25/02

<b>1. (For BLM Use)</b> BLM Report No.		<b>2. (For BLM Use)</b> Reviewers Initials/Date _____ Accepted ( ) Rejected ( )		<b>3. NMCRIS Number:</b> 92402	
<b>4. Type of Report:</b>		Negative ( Yes )		Positive ( )	
<b>5. Title of Report:</b> A Class III Cultural Resource Inventory Report for the M.D. Self Number 8 Proposed Well Location and Access Road Section 6, T.26S, R.38E Lea County, New Mexico					
<b>Author(s):</b> Doralene Sanders and Gail Wimberly					
<b>6. Fieldwork Date(s):</b> March 31, 2005			<b>7. Report Date:</b> April 4, 2005		
<b>8. Consultant Name/Address:</b> Southern New Mexico Archaeological Services, Inc. Post Office Box 1, Bent, New Mexico 88314 <b>Direct Charge:</b> Joe Ben Sanders <b>Field Personnel Name(s):</b> Allen S. Rorex <b>Phone Number:</b> (505) 671-4797					
<b>9. Cultural Resource Permit Number:</b> 145-2920-04-O			<b>10. Consultant Report Number:</b> SNMAS-05NM-1682		
<b>11. Customer Name:</b> COG Operating, LLC <b>Responsible Individual:</b> Joe Janica <b>Address:</b> 550 West Texas Avenue, Suite 1300 Midland, Texas 79701 <b>Phone Number:</b> (505) 391-8503			<b>12. Customer Project Number:</b>		
<b>13. Land Status</b>	<b>BLM</b>	<b>State</b>	<b>Private</b>	<b>Other</b>	<b>Total</b>
<b>a. Area Surveyed (acres)</b>	-	-	10.26	-	10.26
<b>b. Area of Effect (acres)</b>	-	-	2.32	-	2.32
<b>14. Linear:</b>		<b>Length</b> 150 ft	<b>Width</b> 100 ft		
<b>15. Location (Map[s] Attached)</b>					
<b>a. State:</b> New Mexico					
<b>b. County:</b> Lea					
<b>c. BLM Office:</b> Carlsbad Field Office					
<b>d. Nearest City or Town:</b> Jal, New Mexico					
<b>e. Legal Description:</b> T.26S, R.38E, Section 6 <b>Well Pad ¼s:</b> S/2 SW/4 NE/4 NW/4; N/2 NW/4 SE/4 NW/4 <b>Access Road ¼s:</b> SE/4 SE/4 NW/4 NW/4; SW/4 SW/4 NE/4 NW/4					
<b>f. Well Pad Footages:</b> 1,350 ft FNL and 1,650 ft FWL					
<b>g. USGS 7.5' Map Name(s), Date(s), and Code(s):</b> Jal SE, TX-NM (Prov. Ed. 1979), 32103-A1					

**16. Project Data:**

**a. Records Search:**      **Date(s) of BLM field Review:** March 28, 2005  
   **Name of Reviewer(s):** Allen Rorex  
   **Date of ARMS Data Review:** March 22, 2005  
   **Name of Reviewer(s):** Gail Wimberly

**Findings (see Field Office requirements to determine area to be reviewed during records search):**

The records search revealed three previously recorded sites (LA 33068, LA 33067, and LA 33066) located within a quarter-mile radius of the project. There are three sites located within a mile radius.

**b. Description of Undertaking:** COG Operating, LLC, requested a Class III cultural resource inventory of the proposed M.D. Self Number 8 well location and access road, staked in Section 6, T.26S, R.38E, Lea County, New Mexico. The survey area for the proposed well location is 600 ft by 720 ft. The impact area is 300 ft by 300 ft. The proposed access road is 371 ft in length, with an impact area of 30 ft by 371 ft. An area 100 ft by 150 ft was inventoried for the proposed access road. The proposed access road begins on an existing capped lease road and trends east 371 ft, ending on the northwest corner of the proposed well pad.

**c. Environmental Setting (NCRS soil designation: vegetative community; elevation; etc.):**

The project area is located in open, rolling coppice dunes, with varied dune height/blowout depth ranging from .2 to 4 meters. Exposure is open and drainage is internal. Soils are tan/red loamy silty sands, mixed with occasional small lag gravels and/or caliche nodules. The vegetation in the project area consists of shinoak, various grasses, mesquite, yucca, prickly pear, and various annuals and other forbs. The elevation is 3,036 ft above msl.

**d. Field Methods (transect intervals; crew size; time in field, etc.):** The field crew consisted of one archaeologist. The survey for the proposed well location was conducted by walking 12 zigzag transects (at 15-m intervals) over the staked well location. The proposed access road was inventoried by walking 15-m-interval transects, parallel to and 50 ft on both sides of the right-of-way centerline. Time spent in the field was 4 hours.

**e. Artifacts Collected? No**

**17. Cultural Resource Findings:** During the current inventory, three isolated occurrences were encountered.

**a. Location/Identification of Each Resource:**

Isolate one consists of a red/brown fine-grained quartzite primary flake used as a core. The flake has a single platform; the core is multidirectional with multiple platforms, 20% cortex, five flake scars on the dorsal side and three flake scars on the ventral side, utilization on the distal end and dorsal side, and measuring 56 x 30 x 13 cm. Isolate one is located at UTM coordinates (NAD 1927, Zone 13) 679148 E and 3550165 N.

Isolate two is a caliche scatter (burned and unburned) occurring within a 2 x 2 m area, consisting of two cobble-sized pieces burned caliche, three pebble-sized pieces unburned caliche, two cobble-sized pieces unburned caliche, and a single two-hand-sized piece of unburned caliche. Isolate two is located at UTM coordinates 679173 E and 3550131 N.

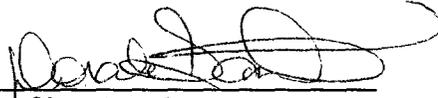
Isolate three is a scatter of burned caliche/sandstone/unburned caliche occurring within a 3 x 3 m area. There are three pieces of pebble-sized burned caliche, four pieces of pebble/cobble-sized fire-reddened sandstone (pink/red), and two pieces of pebble/cobble-sized unburned caliche. Isolate three is located at UTM coordinates 679020 E and 3550127 N.

**b. Evaluation of Significance of Each Resource:** The research potential of these isolated occurrences is considered exhausted by field recordation.

**18. Management Summary (Recommendations):** During the current inventory, three isolated occurrences were encountered and their research potential exhausted by recordation. Therefore, it is recommended that the proposed project proceed as planned.

**19. I certify that the information provided above is correct and accurate, and meets all applicable BLM Standards.**

**Responsible Archaeologist**

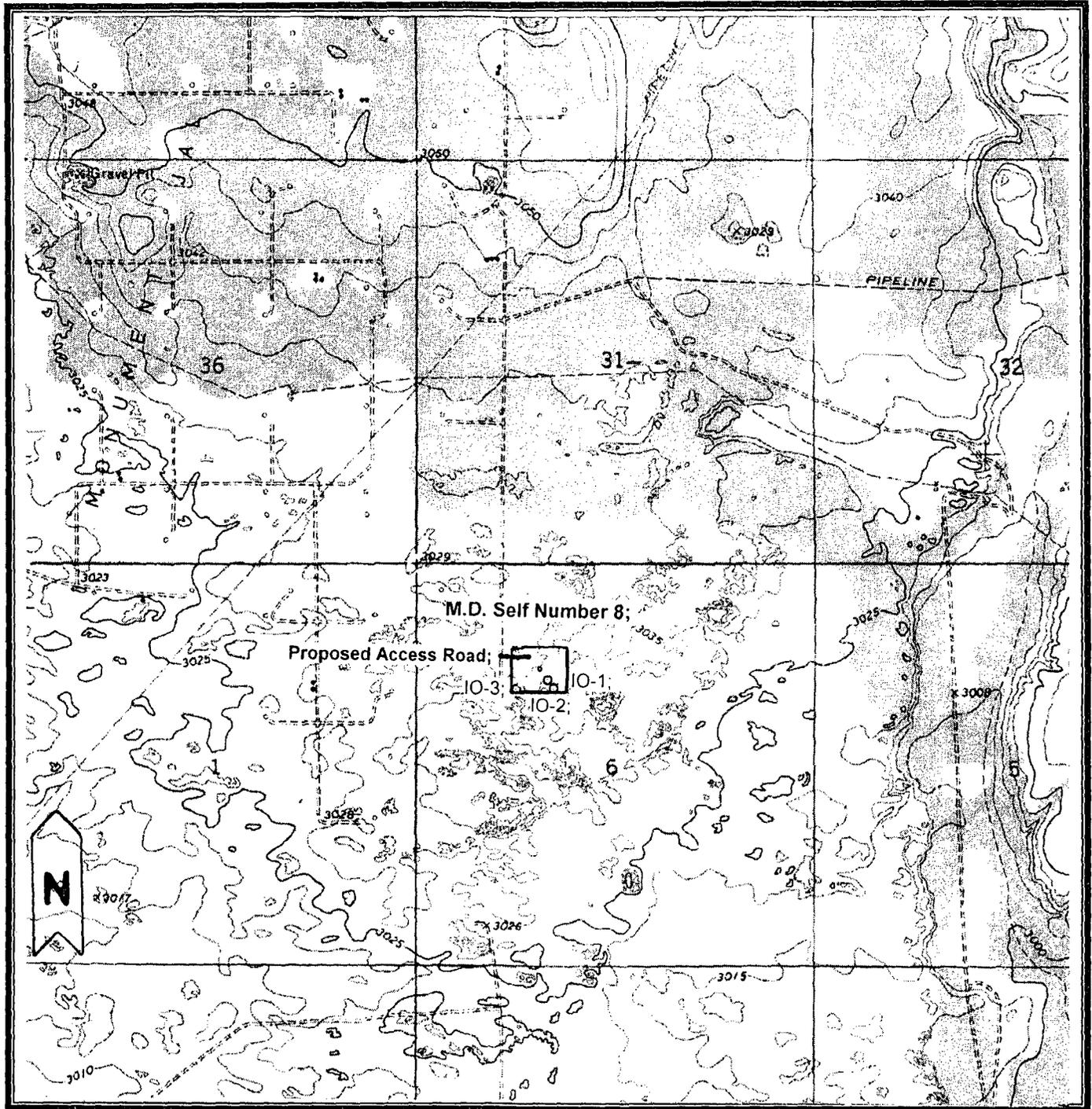


**Signature for  
Allen S. Rorex  
Field Supervisor**

April 4, 2005

**Date**

THE ABOVE COMPLETES A NEGATIVE REPORT. IF ELIGIBLE OR POTENTIALLY ELIGIBLE PROPERTIES ARE INVOLVED, THE ABOVE WILL BE THE TITLE PAGE AND ABSTRACT FOR A COMPLETE REPORT.



**Figure 1: Survey Area** **COG Operating, LLC**  
**M.D. Self Number 8 Proposed Well Location and Access Road**  
**Section 6, T.26S, R.38E**  
**USGS Jal SE, TX-NM (Prov. Ed. 1979) 7.5' topo map**  
**Lea County, New Mexico**  
**Scale 1:24,000**

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**Southern New Mexico Archaeological Services, Inc.**

State of New Mexico

Energy, Minerals and Natural Resources Department

DISTRICT I  
1401 N. FRANKLIN DR., HOBBBS, NM 86240

DISTRICT II  
1301 W. GRAND AVENUE, ARTISIA, NM 86210

DISTRICT III  
1090 Rio Brasos Rd., Aztec, NM 87410

DISTRICT IV  
1401 N. ST. FRANCIS DR., SANTA FE, NM 87506

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
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 34220	Pool Name JUSTIC, BLINEBRY, TUBB, DRINKARD
Property Code	Property Name M.D. SELF	Well Number 8
NCDB No. 229137	Operator Name COG OPERATION LLC	Elevation 3036'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County
F	6	26-S	38-E		1350	NORTH	1650	WEST	LEA

Bottom Hole Location If Different From Surface

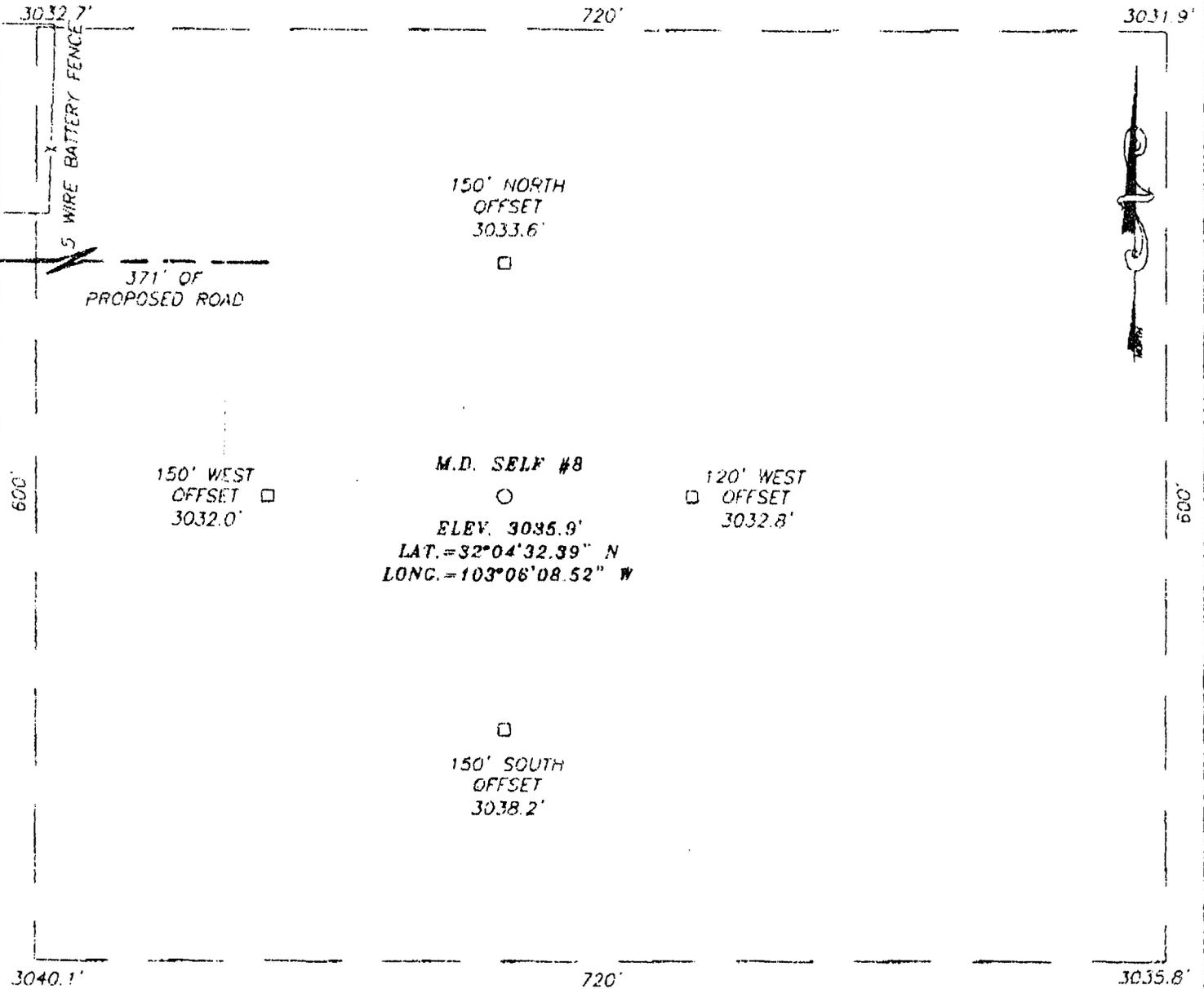
UL or lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres: 40  
 Joint or Infill:   
 Consolidation Code:   
 Order No. **SNMAS-05UM-1682**

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein to true and complete to the best of my knowledge and belief.</p> <p> <b>ORIGINAL</b></p> <p>Signature Joe T. Janica Printed Name Agent Title 03/22/05 Date</p>
	<p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.</p> <p>MARCH 15, 2005</p> <p>Date Surveyed Signature:  Professional Seal:  Certified Professional Engineer</p>
<p><b>GEODETIC COORDINATES</b> NAD 27 NME</p> <p>Y=393426.3 N X=881292.2 E</p> <p>LAT.=32°04'32.39" N LONG.=103°06'08.52" W</p>	

SECTION 6, TOWNSHIP 26 SOUTH, RANGE 38 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO

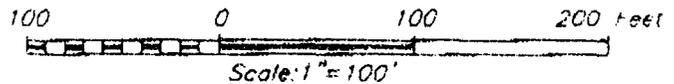


DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #18 AND ST. HWY. #128 IN JAL. GO EAST ON ST. HWY. #128 APPROX. 4.6 MILES. TURN RIGHT (SOUTH) AT LEASE ROAD AND GO SOUTH APPROX. 3.2 MILES. FOLLOW PROPOSED ROAD SURVEY APPROX. 371' EAST TO THIS LOCATION.



ORIGINAL



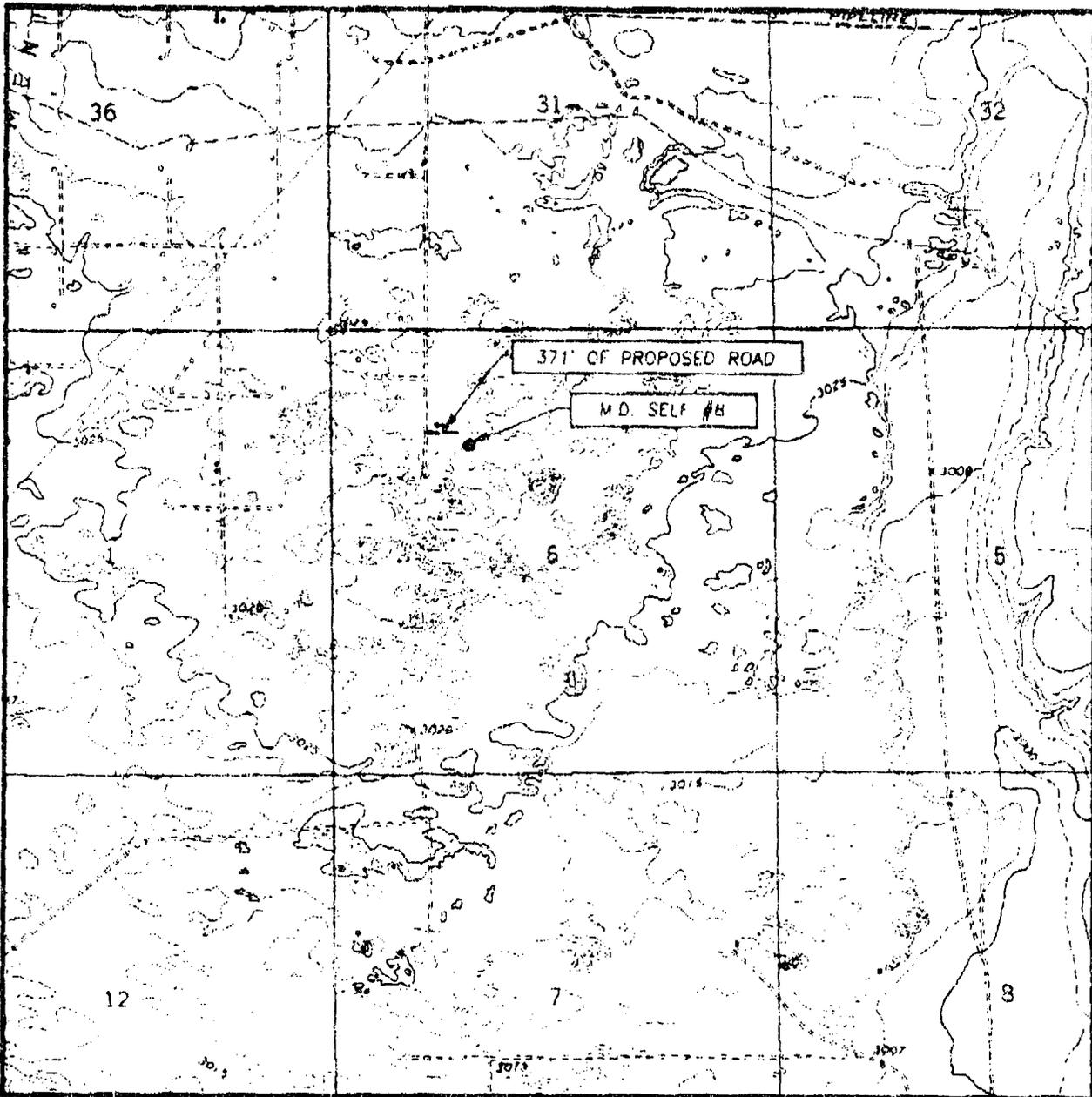
SUMAS-05NM-1682

PROVIDING SURVEYING SERVICES SINCE 1948  

**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (505) 383-3117

<b>COG OPERATION LLC</b>			
M.D. SELF #8 WELL LOCATED 1350 FEET FROM THE NORTH LINE AND 1650 FEET FROM THE WEST LINE OF SECTION 6, TOWNSHIP 26 SOUTH, RANGE 38 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.			
Survey Date: 03/15/05	Sheet 1 of 1 Sheets		
W.O. Number: 05110454	Dr By: D. LOVE	Rev 1: N/A	
Date: 03/17/05	Disk: CD#4	05110454	Scale: 1"=100'

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
 JAL SE, TEX.-N.M. - 5'  
 CONTOURS IN SHIFTING SAND - 25'

SEC. 6 TWP. 26-S RGE. 38-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1350' FNL & 1650' FWL

ELEVATION 3036'

OPERATOR COG OPERATING LLC

LEASE M.D. SELF

U.S.G.S. TOPOGRAPHIC MAP  
 JAL SE, TEX.-N.M.

 ORIGINAL

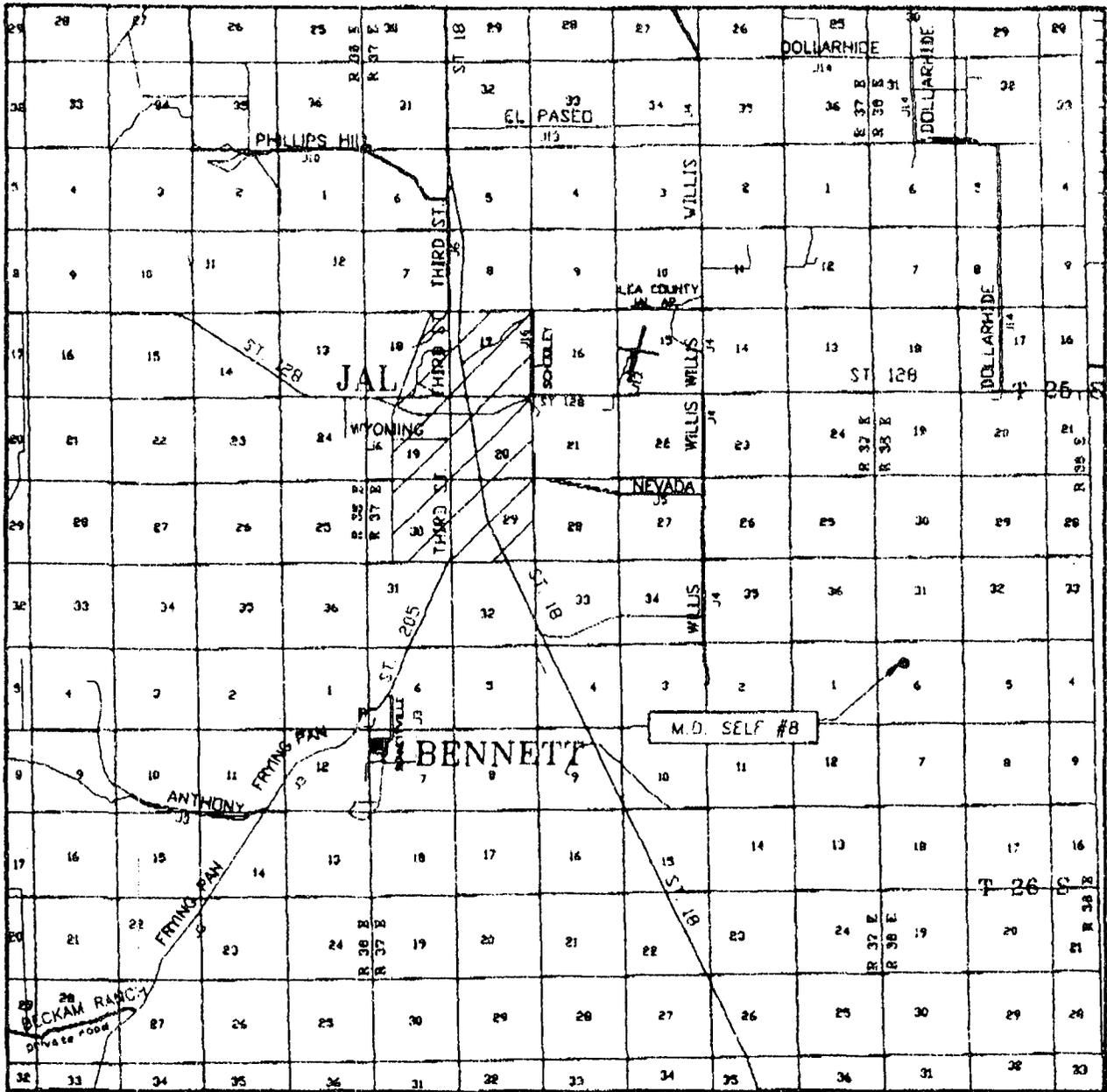
PROVIDING SURVEYING SERVICES  
 SINCE 1946

**JOHN WEST SURVEYING COMPANY**

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 HOBBS, N.M. 88240  
 (505) 383-3117

SNMAS-03NH-1682

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 6 TWP 26-S RGE. 38-E  
 SURVEY N.M.P.M.  
 COUNTY LEA  
 DESCRIPTION 1350' FNL & 1650' FWL  
 ELEVATION 3036'  
 OPERATOR COG OPERATING LLC  
 LEASE M.D. SELF

 ORIGINAL



PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO  
 HOBBS, N.M. 88240  
 (505) 383-3117

SNMAS-05NM-1682



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201-2019



In reply refer to:  
3162.4 (513)  
NM-0889

COG Operating, LLC  
c/o Tierra Exploration Inc.  
Attn: Joe T. Janica  
P. O. Box 2188  
Hobbs, NM 88241

JAN 31 2005

Dear Mr. Janica:

Your Application for Permit to Drill (APD), the M. D. Self Well No. 8, 1650' FNL and 1650' FWL, Section 6, T. 26 S., R. 38 E., Lea County, New Mexico, Lease No. NM-0889 was received on January 27, 2005.

The APD has been reviewed pursuant to part III.B.2 of Oil and Gas Onshore Order No. 1, except for the Archaeological Survey Report, and is found to be:

Complete

Deficient in the following items marked with an "X"

Form 3160-3

Survey Plat

Bonding

Drilling Plan

BOP Diagram

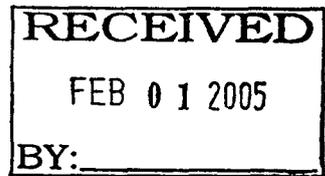
Choke Manifold Diagram

H<sub>2</sub>S Drilling Plan

Surface Use Plan (including certification statement)

Private Surface Owner's Agreement or Statement that an Agreement has been reached concerning surface use *agreement in place*

Other: Need a Lease Responsibility Statement *being sen*



Please submit six (6) copies of each of the above noted deficiencies, except for the Archaeological Survey Report. Technical adequacy of the APD will be determined during processing and you will be contacted if additional information is required.

If you would like to know whether the Archeological Survey Report has been filed with the BLM, call the Carlsbad Resource Area Office at (505) 234-5972.

Sincerely,

Linda A. Askwig  
Legal Instruments Examiner