

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**District II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**District III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**District IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy Minerals and Natural Resources**  
**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
**Oil Conservation Division**  
**1220 South St. Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
Revised July 18, 2013

MAR 14 2016

AMENDED REPORT

RECEIVED

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Larry Marker DBA Marker Oil PO Box 3188 Roswell, NM 88202		<sup>2</sup> OGRID Number 290537
		<sup>3</sup> API Number 30 015 43603
<sup>4</sup> Property Code 316065	<sup>5</sup> Property Name Burnham Grayburg San Andres	<sup>6</sup> Well No. SA

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
N	2	17S	30E		677	S	2000	W	Eddy

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name Square Lake Grayburg San Andres	Pool Code 57570
--	--------------------

**Additional Well Information**

<sup>11</sup> Work Type N	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3746
<sup>16</sup> Multiple	<sup>17</sup> Proposed Depth 3200	<sup>18</sup> Formation GB-SA	<sup>19</sup> Contractor UDI	<sup>20</sup> Spud Date March 31, 2016
Depth to Ground water 110'		Distance from nearest fresh water well >1000'		Distance to nearest surface water >1000'

We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Cond.	17.25	13 3/8	48	42	40	0
Surf	11	8 5/8"	24	1400	500	0
Prod	7 7.8	5 1/2"	15.5	3200	620	0

**Casing/Cement Program: Additional Comments**

--

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	1500	Cameron

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.  
I further certify that I have complied with 19.15.14.9 (A) NMAC  and/or 19.15.14.9 (B) NMAC , if applicable.

Signature:

Printed name: Phelps White

Title: Consultant

E-mail Address: pwiv@zianet.com

Date: 3/8/16

Phone: 575 626 7660

<p>OIL CONSERVATION DIVISION</p>
<p>Conditions of Approval Attached</p>

ES 3/24/16

**DISTRICT I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

**DISTRICT II**  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720

**DISTRICT III**  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170

**DISTRICT IV**  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

**State of New Mexico**  
**Energy, Minerals & Natural Resources Department**  
**OIL CONSERVATION DIVISION**  
**1220 South St. Francis Dr.**  
**Santa Fe, New Mexico 87505**

**NM OIL CONSERVATION**  
ARTESIA DISTRICT Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate District Office

MAR 14 2016

RECEIVED  AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

API Number <b>30015 43603</b>	Pool Code <b>57570</b>	Pool Name <b>SQUARE LAKE GRAYBURG SAN ANDRES</b>
Property Code <b>316 065</b>	Property Name <b>BURNHAM GRAYBURG SAN ANDRES</b>	Well Number <b>5K</b>
OGRID No. <b>290537</b>	Operator Name <b>LARRY MARKER DBA MARKER OIL</b>	Elevation <b>3746'</b>

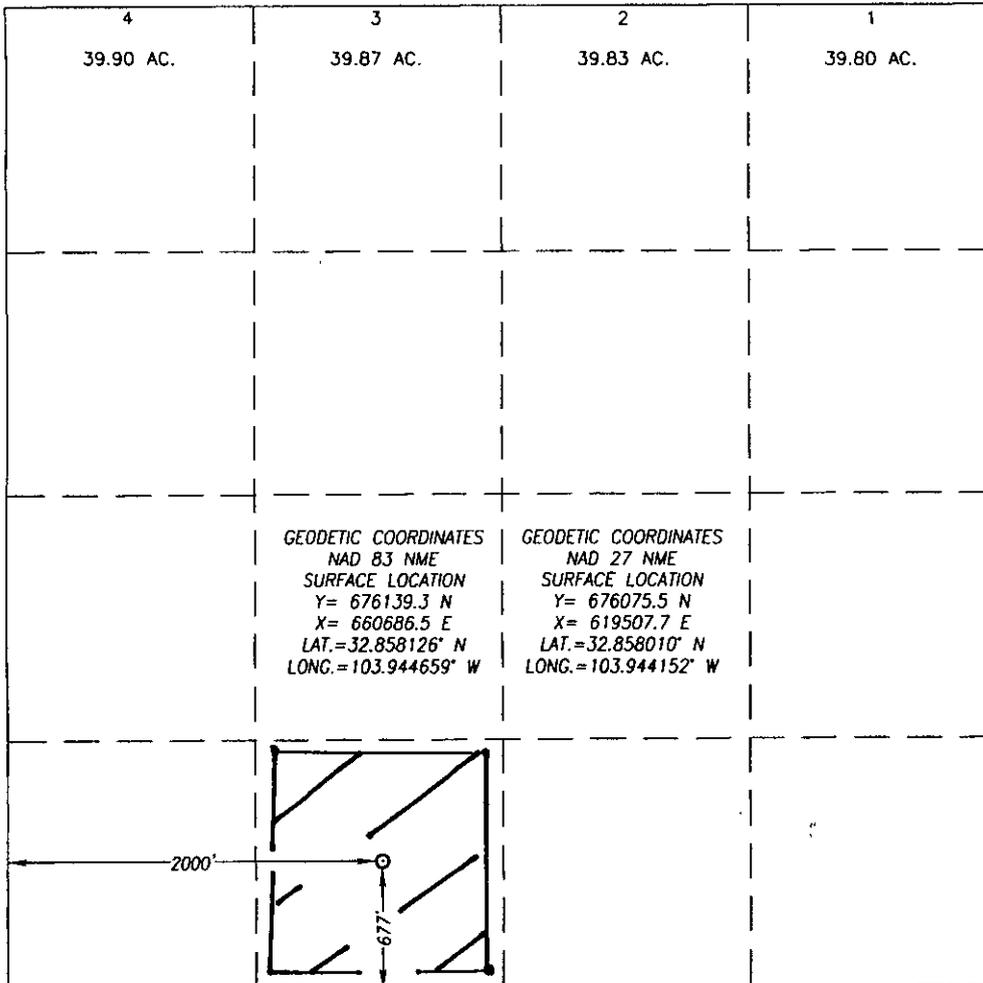
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	2	17-S	30-E		677	SOUTH	2000	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 <b>40</b>	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 that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.*

Signature Date **3-11-16**

Printed Name  
**Pwhite@zianet.com**  
 E-mail Address

---

**SURVEYOR CERTIFICATION**

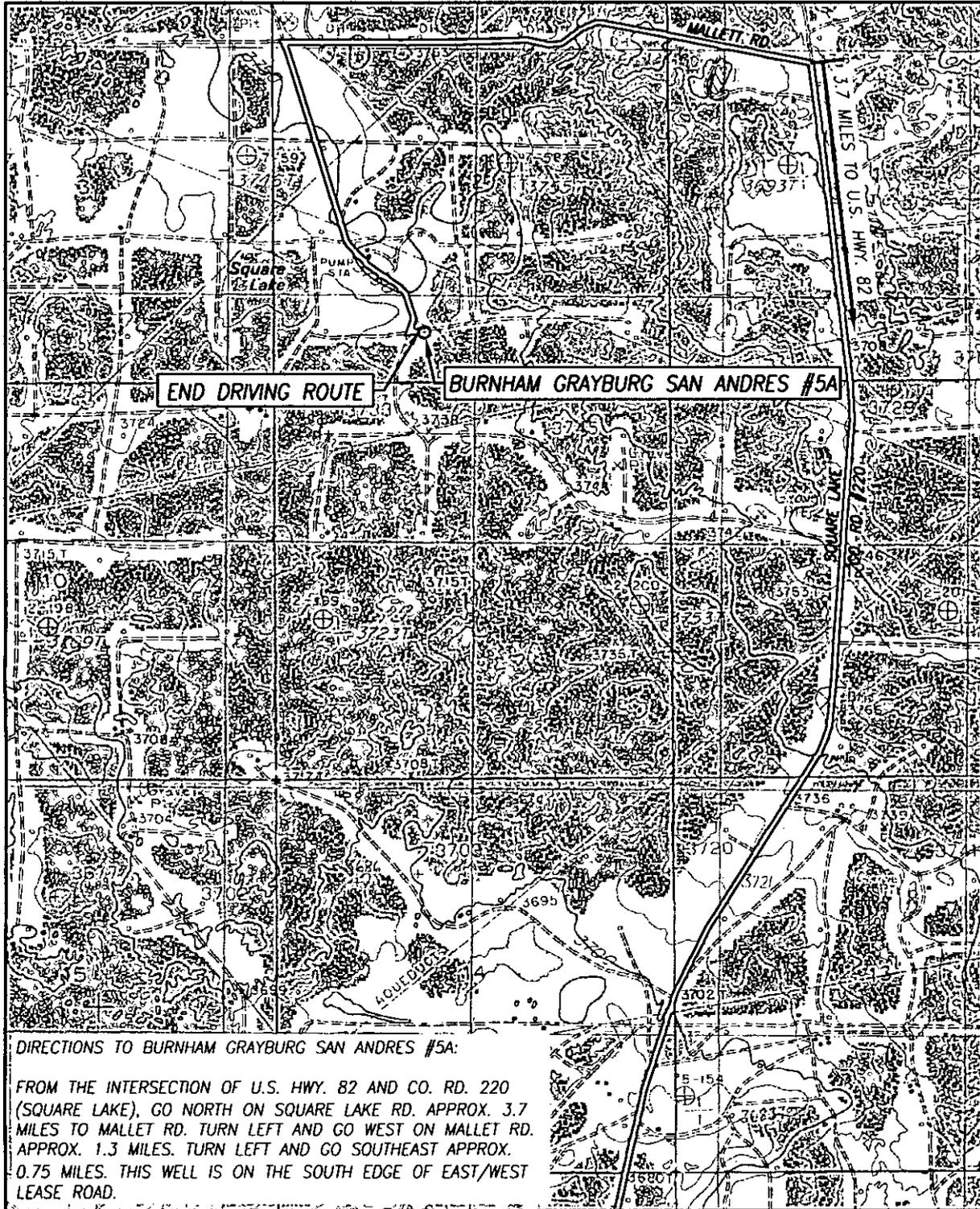
*I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.*

Date of Survey  
 Signature & Seal of Professional Surveyor  
  
 Certificate Number **3239**

**3/10/2016**  
 Gary G. Eidson 12641  
 Ronald J. Eidson 3239

ACK JWSC W.O.: 16.11.0217

# TOPOGRAPHICAL AND ACCESS ROAD MAP



**DIRECTIONS TO BURNHAM GRAYBURG SAN ANDRES #5A:**

FROM THE INTERSECTION OF U.S. HWY. 82 AND CO. RD. 220 (SQUARE LAKE), GO NORTH ON SQUARE LAKE RD. APPROX. 3.7 MILES TO MALLETT RD. TURN LEFT AND GO WEST ON MALLETT RD. APPROX. 1.3 MILES. TURN LEFT AND GO SOUTHEAST APPROX. 0.75 MILES. THIS WELL IS ON THE SOUTH EDGE OF EAST/WEST LEASE ROAD.

SEC. 2 TWP. 17-S RGE. 30-E  
 COUNTY EDDY STATE NEW MEXICO  
 DESCRIPTION 677' FSL & 2000' FWL  
 ELEVATION 3746'  
 OPERATOR LARRY MARKER DBA MARKER OIL  
 LEASE BURNHAM GRAYBURG SAN ANDRES  
 U.S.G.S. TOPOGRAPHIC MAP  
 LOCO HILLS, N.M. SURVEY N.M.P.M.

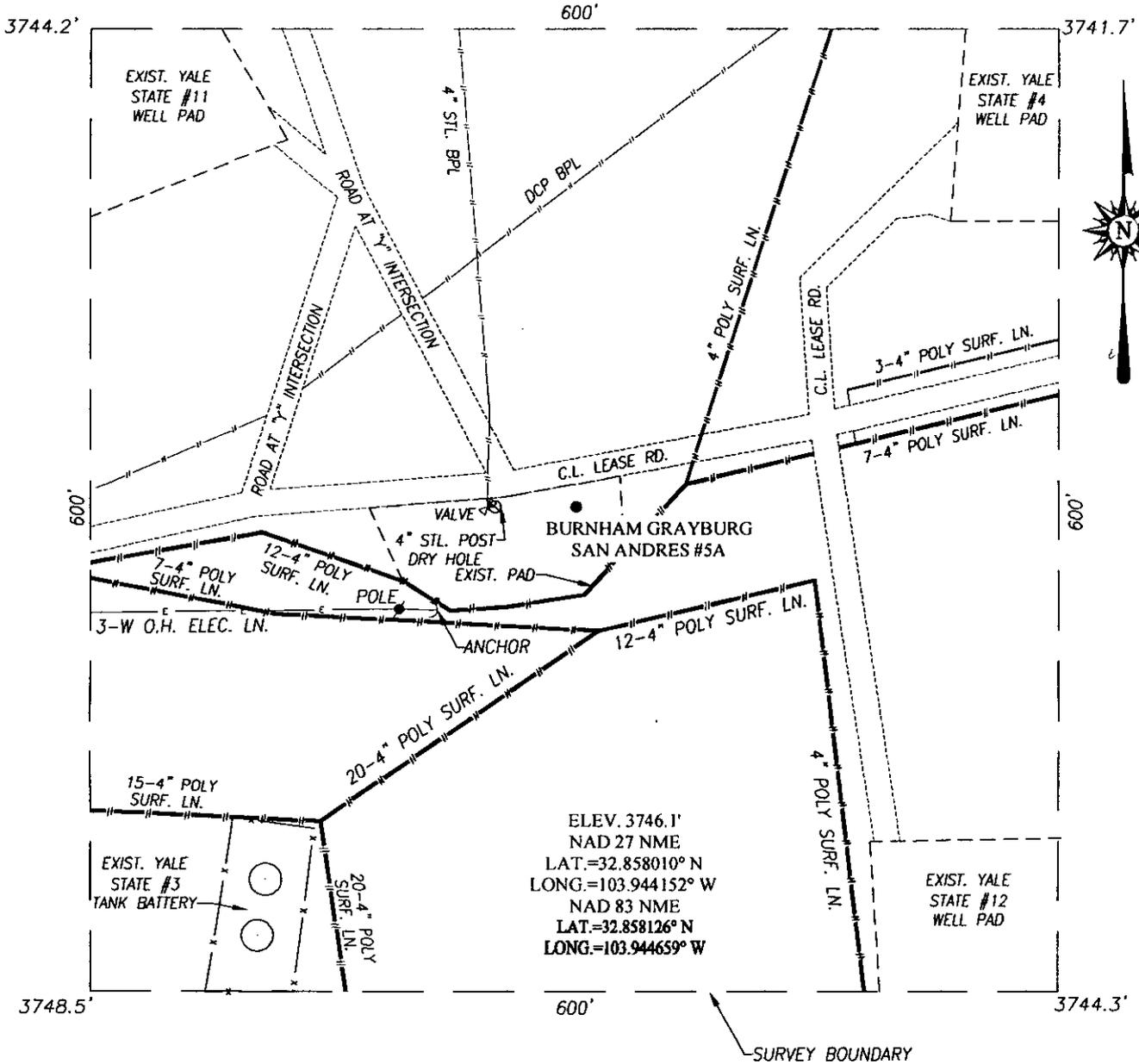
SCALE: 1" = 2000'

CONTOUR INTERVAL:  
 LOCO HILLS, N.M. - 10'



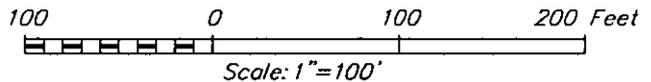
PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO HOBBS, N.M. 88240  
 (575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)  
 TBPLS# 10021000

# WELL SITE PLAN



ELEV. 3746.1'  
 NAD 27 NME  
 LAT.=32.858010° N  
 LONG.=103.944152° W  
 NAD 83 NME  
 LAT.=32.858126° N  
 LONG.=103.944659° W

NOTE:  
 SEE "TOPOGRAPHICAL AND ACCESS ROAD  
 MAP" FOR PROPOSED ROAD LOCATION.



**DIRECTIONS TO BURNHAM GRAYBURG SAN ANDRES #5A:**

FROM THE INTERSECTION OF U.S. HWY. 82 AND CO. RD. 220 (SQUARE LAKE), GO NORTH ON SQUARE LAKE RD. APPROX. 3.7 MILES TO MALLETT RD. TURN LEFT AND GO WEST ON MALLETT RD. APPROX. 1.3 MILES. TURN LEFT AND GO SOUTHEAST APPROX. 0.75 MILES. THIS WELL IS ON THE SOUTH EDGE OF EAST/WEST LEASE ROAD.

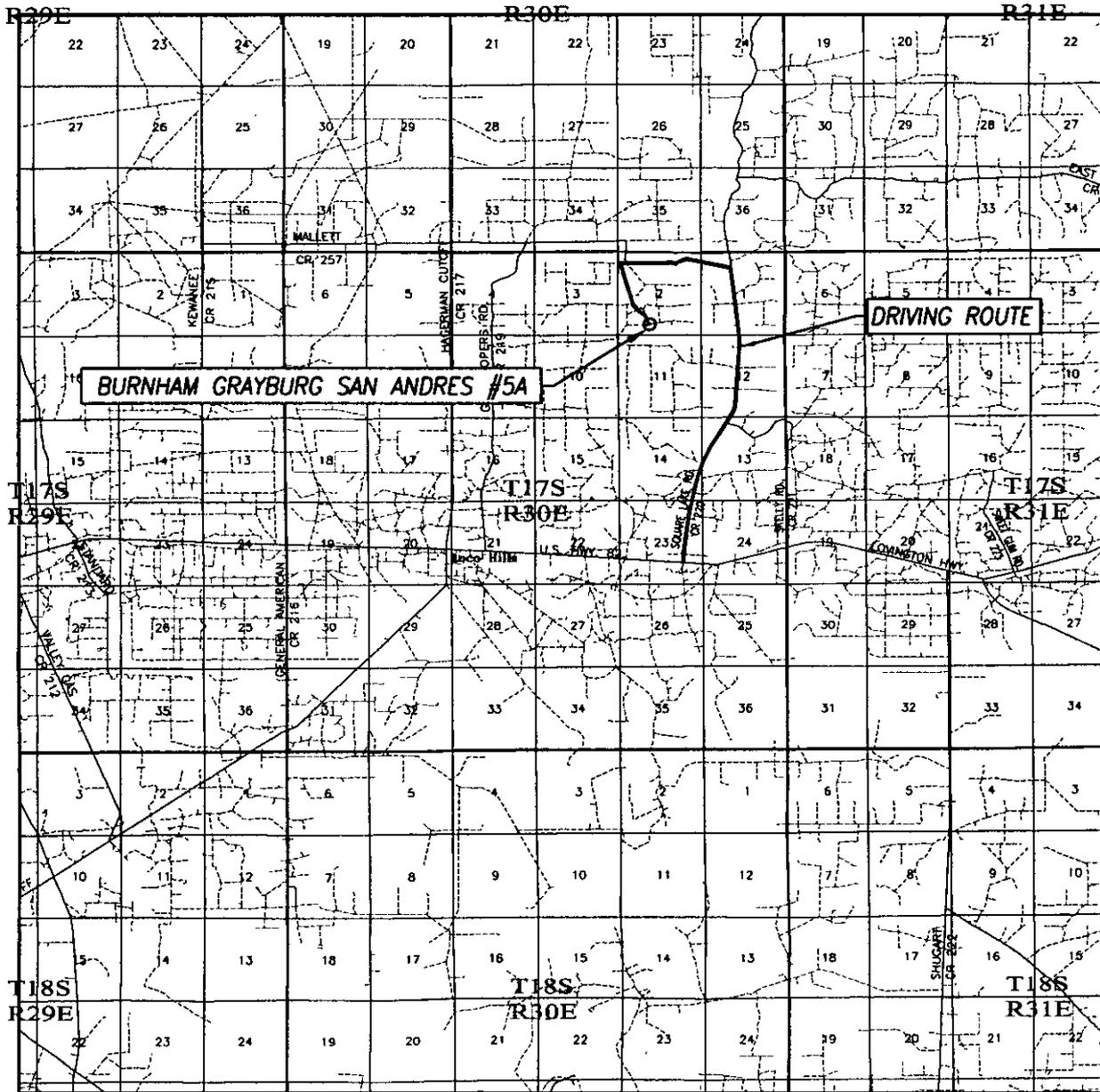
## LARRY MARKER DBA MARKER OIL

**BURNHAM GRAYBURG SAN ANDRES #5A WELL  
 LOCATED 677 FEET FROM THE SOUTH LINE  
 AND 2000 FEET FROM THE WEST LINE OF SECTION 2,  
 TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,  
 EDDY COUNTY, NEW MEXICO**

Survey Date: 3/10/16	CAD Date: 3/10/16	Drawn By: ACK
W.O. No.: 16110217	Rev: .	Rel. W.O.:
		Sheet 1 of 1

PROVIDING SURVEYING SERVICES  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO HOBBS, N.M. 88240  
 (575) 393-3117 www.jwsc.biz  
 TBPLS# 10021000

# VICINITY MAP



SCALE: 1" = 2 MILES

DRIVING ROUTE: SEE TOPOGRAPHICAL AND ACCESS ROAD MAP

SEC. 2 TWP. 17-S RGE. 30-E

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

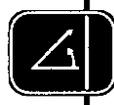
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 677' FSL & 2000' FWL

ELEVATION \_\_\_\_\_ 3746' \_\_\_\_\_

OPERATOR LARRY MARKER DBA MARKER OIL

LEASE BURNHAM GRAYBURG SAN ANDRES



**PROVIDING SURVEYING SERVICES**  
 SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
 412 N. DAL PASO HOBBS, N.M. 88240  
 (575) 393-3117 [www.jwsc.biz](http://www.jwsc.biz)  
 TBPLS# 10021000

**District I**  
 1625 N. French Dr., Hobbs, NM 89240  
 Phone (575) 393-6101 Fax (575) 393-6720

**District II**  
 311 S. First St., Artesia, NM 88210  
 Phone (575) 749-1293 Fax (575) 749-6720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87413  
 Phone (505) 334-6178 Fax (505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone (505) 476-3470 Fax (505) 476-3462

**State of New Mexico  
 Energy, Minerals and Natural Resources  
 Oil Conservation Division  
 1220 S. St Francis Dr.  
 Santa Fe, NM 87505**

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address:	API Number: 30-015- 43683
	Well: Burnham Grayburg San Andres #5

OCD Reviewer	Condition
kjones	Will require a directional survey with the C-104
kjones	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kjones	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement.

Well cannot be spud until in compliance with NMOCD Rule 19.15.15.12.B. Refere to email dated 3-29-2016

*KJ*

## Sharp, Karen, EMNRD

---

**From:** Sharp, Karen, EMNRD  
**Sent:** Tuesday, March 29, 2016 11:01 AM  
**To:** 'pwiv@zianet.com'  
**Cc:** Kautz, Paul, EMNRD; Jones, Kellie, EMNRD; Dade, Randy, EMNRD  
**Subject:** Larry Marker APD

Mr. White ~

We have received an APD for the Burnham Grayburg San Andres #5 well for Larry Marker DBA Marker Oil. The 40-acre spacing unit for the proposed well currently has 2 other active wells assigned to it: Burnham Grayburg San Andres #2A and Burnham Grayburg San Andres #4A, both operated by Memorial Production Operating, LLC. Per NMOCD Rule 19.15.15.12.B :

- (1) An operator who intends to operate a well in a spacing or proration unit containing an existing well or wells operated by another operator shall, prior to filing the application for permit to drill, deepen or plug back for the well, furnish written notification of its intent to the operator of each existing well, and, if the unit includes state, federal or tribal minerals, to the state land office or BLM, as applicable; provided that separate notification to the BLM is not required if the operator will file the application with the BLM pursuant to 19.15.7.11 NMAC.
- (2) The operator shall send the notices by certified mail, return receipt requested, and shall specify the proposed well's location and depth.
- (3) The applicant shall submit with its application for permit to drill, deepen or plug back either
  - (a) a statement attesting that, at least 20 days before the date that the application was submitted to the division, the applicant sent notices to the designated parties, by certified mail, return receipt requested, advising them that if they have an objection they must deliver a written statement of objection to the proposing operator within 20 days of the date the operator mailed the notice, and that it has received no such objection; or
  - (b) written waivers from all persons required to be notified (the BLM's approval of the application being deemed equivalent to waiver by that agency); in event of objection, the division may approve the application only after hearing.

Could you please furnish me with appropriate documentation so that we may proceed with having this APD approved and signed by our District Supervisor? This well is not authorized to be spud until approval is generated.

Thank you ~

*Karen Sharp*

Business Operations Specialist-Advanced

NMOCD / ARTESIA / DISTRICT II

Office: (575) 748-1283 x 109

Fax: (575) 748-9720

Website: <http://www.emnrd.state.nm.us/ocd/>

*"The mind replays what the heart can't delete"*