

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

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.

N.M. Oil Cons. Division
2115 1st Street
Albuquerque, NM 88210-2834

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Gruy Petroleum Management Co.

3a. Address
P. O. Box 140907 Irving, TX 75014-0907

3b. Phone No. (include area code)
972-401-3111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 1650' FEL Sec. 20 T18S - R29E

5. Lease Serial No.
LC-067132

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
SCR - 150

8. Well Name and No.
Empire 20 Federal Com 2

9. API Well No.
30-015-31046

10. Field and Pool, or Exploratory Area
Turkey Track Atoka/Morrow Nor.

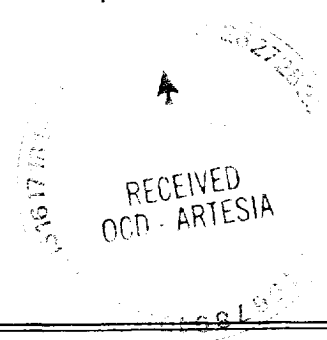
11. County or Parish, State
Eddy Co. NM

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 Commingle
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Atoka/Morrow Gas
	<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.)

Request approval of Atoka/Morrow surface commingling. Morrow and Atoka zones will be isolated with 5 1/2" PLS Packer, with Morrow production through tubing and Atoka production through casing. Condensate production will be gauged separately (See Schematic Diagram) and Atoka/Morrow gas production will be surface commingled into a single LG&E sales meter. Production will be allocated back to appropriate zones based on check meters for each completion.



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

Zeno Farris

Title

Manager Operations Administration

Signature

Zeno Farris

Date

August 17, 2000

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SGD.) DAVID F. GLASS

Title

PETROLEUM ENGINEER

Date

AUG 21 2000

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

SEE ATTACHED FOR

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any statement or representation as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL

(Instructions on reverse)

RECEIVED

AUG 21 2000

BLM

ROSWELL, NM

DISTRICT II
P.O. Drawer DD, Astoria, ME 03211-0713

DISTRICT III
1000 Big Brown Rd., Astac, NM 87410

DISTRICT IV
P.O. BOX 3052, SANTA FE, N.M. 87504-3052

OIL CONSERVATION DIVISION

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-31046	Pool Code	Pool Name Turkey Track Morrow, North/Atoka, North
Property Code	Property Name EMPIRE 20 FEDERAL COM	Well Number 2
OGED No. 162683	Operator Name GRUY PETROLEUM MANANGEMENT CO.	Elevation 3513

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	20	18S	29E		660	SOUTH	1650	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.						

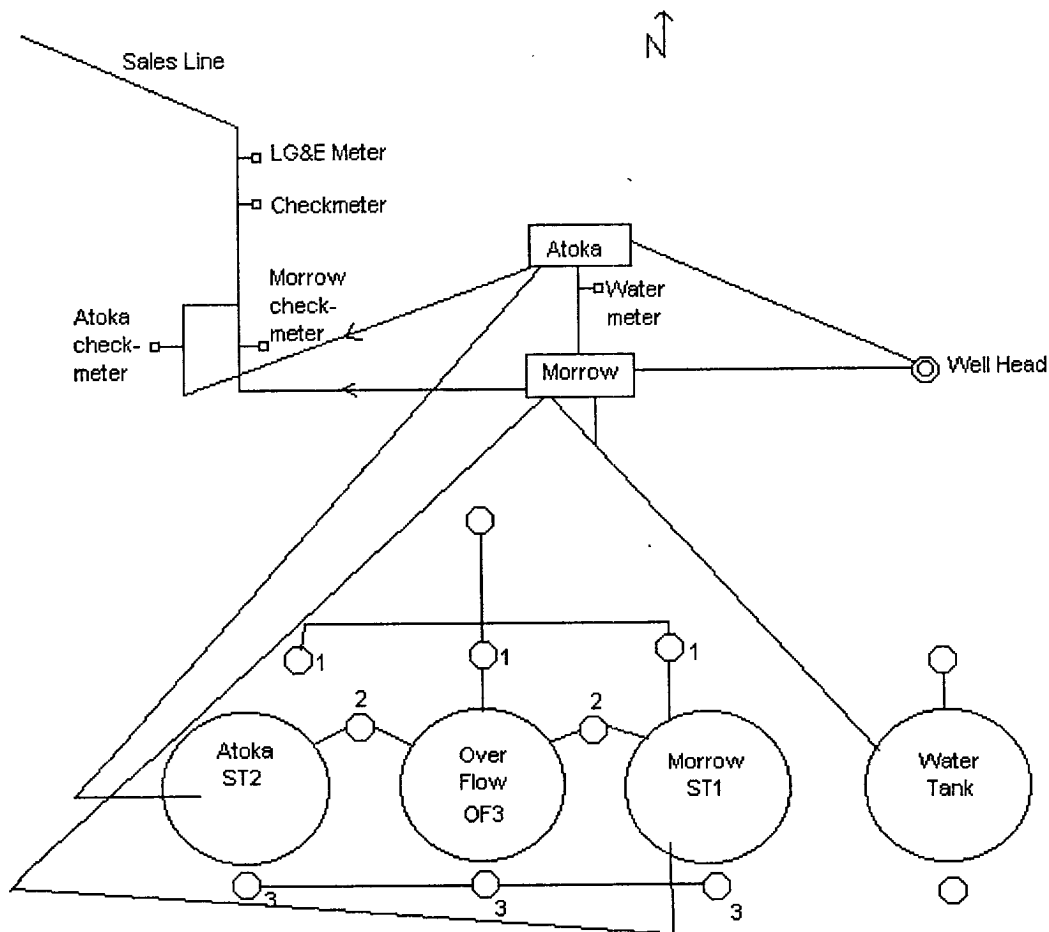
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 150px;"></div>	<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 150px;"></div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">OPERATOR CERTIFICATION</p> <p style="font-size: small; margin: 5px 0;"><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p> <div style="margin-top: 10px;"> </div> <div style="margin-top: 5px;"> <p style="text-align: center; margin: 0;"><u>Signature</u></p> <p style="text-align: center; margin: 0;"><u>Zeno Farris</u></p> <p style="text-align: center; margin: 0;"><u>Printed Name</u></p> <p style="text-align: center; margin: 0;"><u>Mgr. Operations Admin.</u></p> <p style="text-align: center; margin: 0;"><u>Title</u></p> <p style="text-align: center; margin: 0;"><u>January 26, 2000</u></p> <p style="text-align: center; margin: 0;"><u>Date</u></p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">SURVEYOR CERTIFICATION</p> <p style="font-size: small; margin: 5px 0;"><i>I hereby certify that the well location shown on this plot 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.</i></p> <p style="text-align: center; margin: 10px 0;">JANUARY 17, 2000</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 60%;"> <p style="font-size: small; margin: 0;">Data Surveyed</p> <p style="font-size: small; margin: 0;">Signature & Seal of Professional Surveyor</p> </div> <div style="width: 35%; text-align: right;"> <p style="margin: 0;">LMP</p> </div> </div> <div style="text-align: center; margin-top: 10px;"> </div> </div>
<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 150px;"></div>	<div style="border: 1px solid black; height: 150px; margin-bottom: 10px;"></div> <div style="border: 1px solid black; height: 150px;"></div>	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; margin: 0;">LC-062404</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center; margin: 0;">LC-067132</p> </div> <div style="margin-top: 10px;"> <p style="text-align: center; margin: 0;">Emp. 20 Fed Com #2</p> </div> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="text-align: center; margin-right: 10px;"> <p style="font-size: small; margin: 0;">SEE DETAIL</p> </div> <div style="flex-grow: 1; position: relative; height: 40px;"> <div style="position: absolute; left: 0; top: 0; width: 100%; height: 100%; border-left: 1px solid black; border-right: 1px solid black;"></div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;"> <p style="font-size: small; margin: 0;">3516.1'</p> <p style="font-size: small; margin: 0;">3512.7'</p> </div> <div style="text-align: center;"> <p style="font-size: small; margin: 0;">3511.7'</p> <p style="font-size: small; margin: 0;">3506.8'</p> </div> </div> <div style="text-align: center; margin-top: 10px;"> <p style="font-size: small; margin: 0;">DETAIL</p> </div>

Empire 20 Fed Com #2
Sec 20, T18S, R29E
660' FSL & 1560 FEL
Eddy County, New Mexico

Production System Open.

1. Oil Sales by tank gauge to truck transport.
2. Seal Requirements
 - A. Production Phase
 - (1) All valves (1), (2), & (3) are closed. (Valve 2 only open in emergency for over flow).
 - (2) ST2 tank for Atoka Zone.
 - (3) ST1 tank for Morrow Zone.
 - (4) OF3 - Overflow tank for emergency.
 - B. Sales Phase
 - (1) All valves closed with exception of load line and when a tank is on sales line.



Empire 20 Federal Com No. 2
Sec. 20 T18S R29E
Atoka/Morrow Surface Comingling Application

Producing Formation	Monthly Production	btu Dry	mmbtu	Average btu
Morrow	11,098	1.106	12274.388	
Atoka	65,627	1.121	<u>73567.867</u>	
Totals	76,725		85842.255	1.11883

Working interest owned 100% by Magnum Hunter Production, Inc.
with common Federal Royalty and overriding royalty interests.

Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241

SAMPLE:
IDENTIFICATION: Empire "20" Fed. Com. #2
COMPANY: Gruy Petroleum
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 7/17/00 12:30 pm
ANALYSIS DATE: 7/17/00
PRESSURE - PSIG 214
SAMPLE TEMP. °F 88
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: Ray Gallagher
ANALYSIS BY: Vickie Walker

REMARKS: Taken @ the meter run.

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	1.327	
Carbon Dioxide (CO2)	0.217	
Methane (C1)	88.140	
Ethane (C2)	6.268	1.699
Propane (C3)	2.479	0.681
I-Butane (IC4)	0.369	0.120
N-Butane (NC4)	0.636	0.200
I-Pentane (IC5)	0.147	0.054
N-Pentane (NC5)	0.123	0.044
Hexane Plus (C6+)	0.192	0.083

100.000

2.861

BTU/CU.FT. - DRY 1118
AT 14.650 DRY 1115
AT 14.650 WET 1095
AT 14.73 DRY 1121
AT 14.73 WET 1101

MOLECULAR WT. 18.5693

SPECIFIC GRAVITY -
CALCULATED 0.641
MEASURED

Empire 20 Federal Com 2
Sec. 20 T 8S R 29E
Atoka Gas Analysis

JUN- 1-00 THU :37 Laboratory Services

P.02

Laboratory Services, Inc.4010 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 307-3713

*Morrow***FOR:**Pro Well Testing & Wireline
P. O. Box 791
Hobbs, New Mexico 88241**SAMPLE:**

IDENTIFICATION: Empire 20 Fed. Com. #2

COMPANY: Gruy Petroleum

LEASE:

PLANT:

SAMPLE DATA:

DATE SAMPLED: 5/31/00 8:30 pm

ANALYSIS DATE: 6/1/00

PRESSURE - PSIG 240

SAMPLE TEMP. °F 67

ATMOS. TEMP. °F

GAS (XX) LIQUID ()

SAMPLED BY: R. Hicks

ANALYSIS BY: Vickie Walker

REMARKS:

Sample taken @ the meter run.

Wellhead Pressure = 1625 PSIA

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H ₂ S)		
Nitrogen (N ₂)	0.001	
Carbon Dioxide (CO ₂)	0.007	
Methane (C ₁)	80.120	
Ethane (C ₂)	5.964	1.481
Propane (C ₃)	1.780	0.489
I-Butane (IC ₄)	0.270	0.088
N-Butane (NC ₄)	0.458	0.143
I-Pentane (IC ₅)	0.172	0.063
N-Pentane (NC ₅)	0.157	0.007
Hexane Plus (C ₆ +) <u>0.343</u>		<u>0.141</u>
	100.000	2.412

BTU/CU.FT. - DRY 1103
 AT 14.650 DRY 1100
 AT 14.650 WET 1081
 AT 14.73 DRY 1108
 AT 14.73 WET 1087

MOLECULAR WT. 18.2884

SPECIFIC GRAVITY -

CALCULATED 0.632
 MEASURED

Empire 20 Federal Com 2
 Sec. 20 T8S R29E
 Morrow Gas Analysis