

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. ENVYR. ☐ Other _____

2. NAME OF OPERATOR

Gruy Petroleum Management Co.

3. ADDRESS AND TELEPHONE NO.

P O Box 140907 Irving Tx. 75014-0907

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1650' FNL & 990' FWL

At top prod. interval reported below 1650' FNL & 990' FWL

At total depth 1650' FNL & 990' FWL

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 04-17-03 16. DATE T.D. REACHED 05-13-03 17. DATE COMPL. (Ready to prod.) 07-18-03 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 3283' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 11,996' 21. PLUG, BACK T.D., MD & TVD 11,982' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN Sequential Formation Tester; Multi-Sensor Multi Arm Caliper, Spectral Density, Dual Laterolog, Monopole 27. WAS WELL CORRED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 - 3/8" H-40	48 #	426'	17-1/2"	490 sx Prem Plus circ 200 sx to pit	
9-5/8" J-55	40 #	3205'	12 1/4"	985 sx Interfill C/Prem circ 107 sx to pit	
5-1/2" N-80	17#	11988'	8-3/4"	1935 sx Interfil C/Prem TOC 200'	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	10600'	10600'

31. PERFORATION RECORD (Interval, size and number)

Please see attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
07-19-03		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
07-25-03	24	48/64		-0-	804	108	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
2155	-0-		-0-	804	108	NA	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

Sold

35. LIST OF ATTACHMENTS

NM C-122, Electric logs and Inclination Summary

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Natalie Krueger TITLE Production Assistant DATE 3-2-04

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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.

38.

GEOLOGIC MARKERS

[illegible]

Bradley 14 Federal Com No. 1 Perforation/Fracture/Acidization Attachment**30-015-32672****Eddy County, New Mexico**

Perforation Record	Acid, Shot, Fracture, Cement Squeeze, Etc.	
	Depth Interval	Amount and Kind of Material Used
11824' - 11832' 6 jspf 48 Holes	11824' - 11832'	22000 gal 45# gel 7% KCL&CO2 / 17150# 18/40 versaprop
11600' - 11616' 6 jspf 96 Holes	11600' - 11616'	57250 gal 45# gel 7% KCL & CO2 / 38000# 18/40 versaprop
11252' - 11428' 6 spf 150 Holes	11252' - 11428'	86750 gal 45# gel 7% KCL & CO2 / 57070# 18/40 versaprop
10650' - 10804' 6 spf 144 Holes	10650' - 10804'	2000 gal NEFE HCL & N2

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

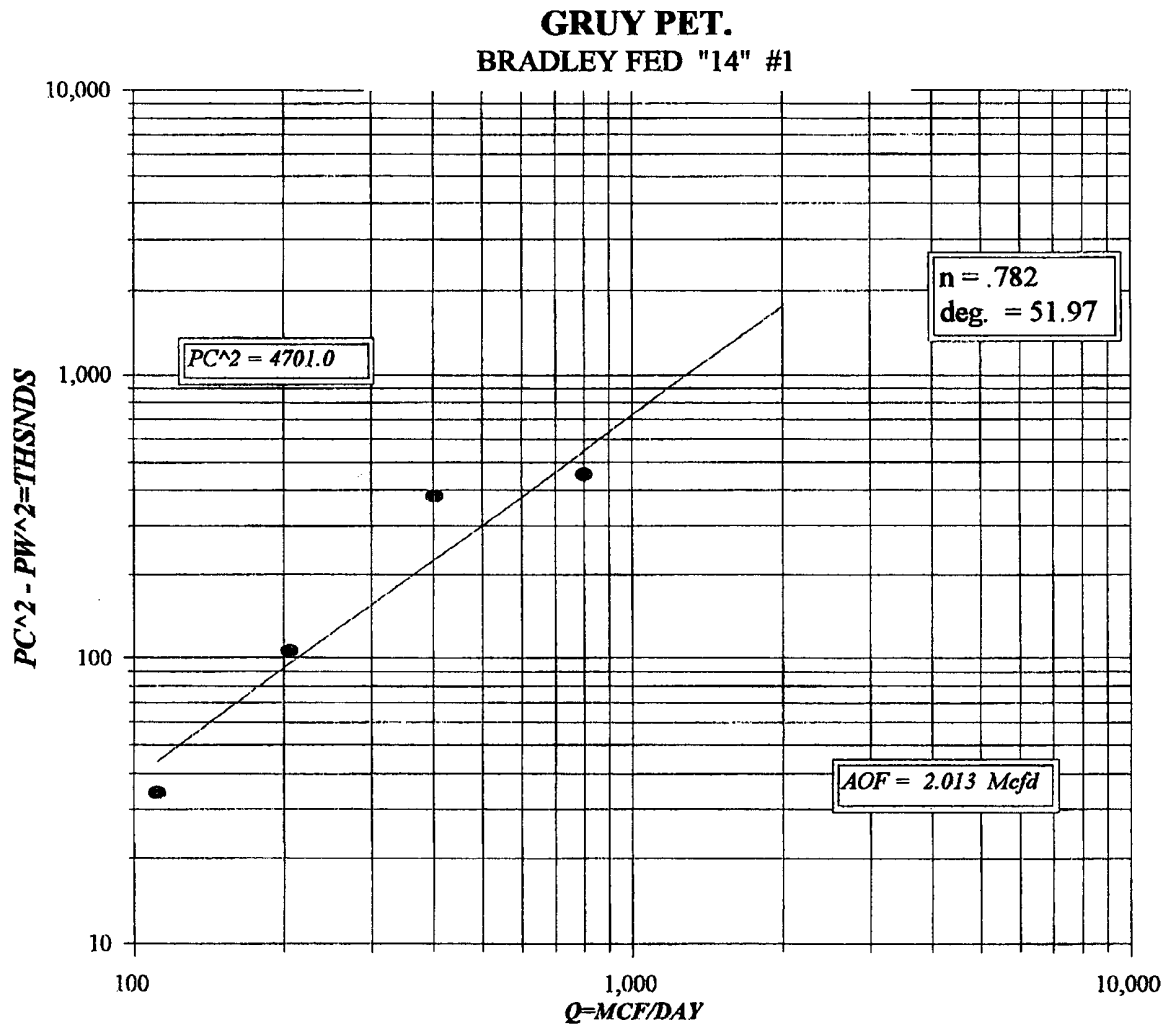
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Form C-122
Revised October, 1999

OCD-ARTESIA

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator GRUY PET MANAGEMENT CO.				Lease or Unit Name BRADLEY FED "14"			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7/25/03		Well No. 1	
Completion Date 7/18/03		Total Depth 11996		Plug Back TD 11982		Elevation 3288 GL	
Csg. Size 5 1/2		Wt. 17		d 4.892		Set At 11996	
Tbg. Size 2 3/8		Wt. 4.7		d 1.995		Set At 10600	
Perforations: From: 10650 To: 11832				County EDDY			
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10600		Formation STRAWN / MORROW	
Producing Thru Tubing		Reservoir Temp. °F 180		Mean Annual Temp. °F 60		Baro. Press. P _a 13.2	
L 10600		H 10600		Gg 0.597		%CO ₂ 3.654	
				%N ₂ 0.52		%H ₂ S N/A	
				Prover N/A		Meter Run 4.026	
						Taps FLG	
FLOW DATA				TUBING DATA			
CASING DATA				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
1	4.026 X 1.000	293	1.1	92	2147	N/A	PKR
2	4.026 X 1.000	294	3.4	95	2130		
3	4.026 X 1.000	296	14.1	97	2064		
4	4.026 X 1.000	301	56.6	88	1782		
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1							112
2							206
3	TOTAL	FLOW	METER				403
4							804
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.597 XXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX		
4					Critical Pressure 686 P.S.I.A. P.S.I.A.		
5					Critical Temperature 345 R R		
P _c 2168.2 P _w 4701							
No.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $P_c^2 = \frac{3.992}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.592$		
1		2160.3	4666.9	34.1			
2		2143.6	4594.9	106.1			
3		2078.7	4320.8	380.2			
4		1801.9	3247	454			
5					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.013$		
Absolute Open Flow 2.013 Mcfd @ 15.025				Angle of Slope (°): 51.97		Slope n: 0.782	
Remarks: * NO LIQUID MADE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: MB	



C122D FORM IMPORTED FROM SYMPHONY ON 9.9.01

COMPANY : GRUY PET MANAGEMENT CI				LEASE SECTION :		BRADLEY FED "14"		WELL NO. TOWNSHIP :		Pc =	Pc2 =
UNIT :	E	H	L	SECTION :	14	L/H :	1	G/GMIX :	24S	2168.2	4701.0
%CO ₂	3.654	%N ₂	0.52	H ₂ S	GH	R197.0	DATE	7/25/03	DATE	26E	
d	1.995	Fr	0.018183				RANGE	26E			
VOL 1 :	112	PSIA 1 :	2160.2	RESV.TEMP	180.0	Pc2.Pw2=	34.1	Pw2 =	4666.9		
VOL 2 :	206	PSIA 2 :	2143.2	SHUT-IN PREI =	2168.2		106.1		4593.3	2160.3	
VOL 3 :	403	PSIA 3 :	2077.2				380.2		4314.8	2143.6	
VOL 4 :	804	PSIA 4 :	1795.2				1454.0		2078.7	1801.9	
PCR :	686	TCR :	345	n =	0.782	Pc2/(Pc2-Pw2) =	137.996				
LINE	RATE 1		RATE 2		RATE 3		RATE 4				
	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	'1ST	'2ND	[Pc2/Pc2-Pw2]n =	47.139	
1 QM	0.112	0.112	0.206	0.206	0.403	0.403	0.804	0.804		19.388	
2 TW	534	534	534	534	534	534	534	534		7.147	
3 Ts	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0		2.503	
4 Tt	587.0	587.0	587.0	587.0	587.0	587.0	587.0	587.0			
PR (est)	3.15	3.12	3.12	3.03	0.845	0.842	0.852	0.844	AOF = Q	5.280	
5 Z(est)	0.844	0.843	0.844	0.843	0.845	0.842	0.852	0.844		3.994	
6 TZ	495.3	494.8	495.4	494.7	495.9	494.5	499.9	495.5		2.880	
7 GH/TZ	16.551	16.565	16.547	16.568	16.528	16.576	16.398	16.542		2.013	
8 eS	1.860	1.861	1.860	1.861	1.859	1.862	1.850	1.859			
9 i-e-S	0.462	0.463	0.462	0.463	0.462	0.463	0.459	0.462			
10 P1	2160.2	2160.2	2143.2	2143.2	2077.2	2077.2	1795.2	1795.2			
11 P12 /1000	4666.5	4666.5	4593.3	4593.3	4314.8	4314.8	3222.7	3222.7			
12 Fr	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183	0.018183			
13 Fc=FrTZ	9.005	8.998	9.008	8.992	9.018	8.992	9.089	9.010			
14 FcQm	1.01	1.01	1.86	1.85	3.63	3.62	7.31	7.24			
15 L/H(FcQm)2	1.0	1.0	3.4	3.4	13.2	13.1	53.4	52.5			
16 Fw	0.4703936	0.469878	1.5918331	1.5892289	6.1010181	6.0786171	24.529256	24.2578476			
17 Pw2	4666.9	4666.9	4594.9	4594.9	4320.8	4320.8	3247.3	3247.0			
18 Ps2	8681.2	8685.8	8545.9	8552.7	8030.6	8044.9	6005.9	6037.8			
19 Ps	2946.4	2947.2	2923.3	2924.5	2833.8	2836.4	2450.7	2457.2			
20 P	2553.3	2553.7	2533.3	2533.8	2455.5	2456.8	2122.9	2126.2			
21 Pr	3.72	3.72	3.69	3.69	3.58	3.58	3.09	3.10			
22 Tr	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70			
23 Z	0.843	0.843	0.843	0.843	0.842	0.842	0.844	0.844	FORM C122-D		

**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: Bradley 14 #1
COMPANY: Gruy Petroleum
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 7/25/03
ANALYSIS DATE: 7/25/03
PRESSURE - PSIG 299
SAMPLE TEMP. °F 83
ATMOS. TEMP. °F

GAS (XX) LIQUID ()
SAMPLED BY: B. P.
ANALYSIS BY: Vickie Biggs

REMARKS: Sample taken @ the meter run.
Strawn Morrow Formation

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.520	
Carbon Dioxide (CO2)	3.654	
Methane (C1)	94.718	
Ethane (C2)	1.014	0.271
Propane (C3)	0.099	0.027
I-Butane (IC4)	0.000	0.000
N-Butane (NC4)	0.000	0.000
I-Pentane (IC5)	0.000	0.000
N-Pentane (NC5)	0.000	0.000
Hexane Plus (C6+)	0.000	
	100.000	0.298

BTU/CU.FT. - DRY 977
AT 14.650 DRY 974
AT 14.650 WET 957
AT 14.73 DRY 979
AT 14.73 WET 962

MOLECULAR WT. 17.2943

SPECIFIC GRAVITY -
CALCULATED 0.597
MEASURED

OPERATOR: GRUY PETROLEUM
WELL/LEASE: BRADLEY FED. COM. 1
COUNTY: EDDY

075-0019

STATE OF NEW MEXICO
DEVIATION REPORT

195	3/4	5,142	1
426	1 1/2	5,616	1 1/2
794	2	5,999	1
889	3 1/4	6,440	3/4
984	4 1/2	6,914	3/4
1,047	4 1/4	7,394	1 1/4
1,080	4 1/4	7,868	1 3/4
1,110	4	8,278	1 1/2
1,143	3 1/4	8,754	1
1,175	3 1/2	9,254	3/4
1,206	3 1/2	9,736	1
1,238	3 3/4	10,236	1
1,270	3 1/2	10,649	1 1/2
1,301	3 1/4	11,123	1
1,333	3	11,407	1
1,364	3	11,907	1 1/2
1,396	3	11,996	3/4
1,428	2 1/2		
1,460	2 3/4		
1,491	2 1/4		
1,523	1 3/4		
1,555	1		
1,618	3/4		
1,681	1		
1,808	3/4		
2,060	3/4		
2,408	3/4		
2,821	1/2		
3,205	1/2		
3,682	3/4		
4,158	1/4		
4,666	3/4		

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MAR - 5 2004

OCD-ARTESIA

By: Steve Moore

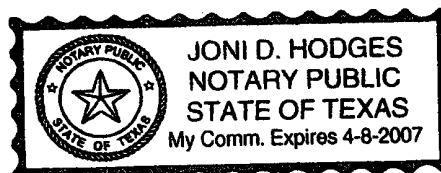
STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on this 19th day of May, 2003, by Steve Moore on behalf of Patterson-UTL Drilling Company LP, LLLP.

Joni D. Hodges
Notary Public for Midland County, Texas

My Commission Expires: 4/08/2007





HOLLAND & HART



Wednesday, February 11, 2004

To: Zeno Farris
Gruy Petroleum Management Co.

Fax : (469) 420-2710
Phone: (972) 443-6489

From: Michael H. Feldewert

Fax : (505) 983-6043
Phone: (505) 988-4421

Message:

No Confirmation Copy

Number of pages including cover sheet: 7

Note: If this fax is illegible or incomplete please call us. This fax may contain confidential information protected by the attorney-client privilege. If you are not the named recipient, you may not use, distribute or otherwise disclose this information without our consent. Instead, please call (505) 988-4421; we will arrange for its destruction or return.

Attorney Number:	5104	Client/Matter:	44524-0006	Time Deadline:	
Operator Initials:	jlp	Date Transmitted:	2/11/04	Time Transmitted:	

Holland & Hart LLP Attorneys at Law

Phone (505) 988-4421 Fax (505) 983-6043 www.hollandhart.com

Jefferson Place 110 North Guadalupe Suite 1 Santa Fe, New Mexico 87501 Mailing Address P.O. Box 2208 Santa Fe, New Mexico 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C.

HOLLAND & HART**Michael H. Feldewert**Recognized Specialist in the Area of
Natural Resources - oil and gas law -
New Mexico Board of Legal Specialization

mfeldewert@hollandhart.com

February 11, 2004

VIA FACSIMILEZeno Farris
Gruy Petroleum Management Co.
P.O. Box 140907
Irving, TX 75014-0907**RECEIVED**

MAR - 5 2004

OCD-ARTESIARe: White City-Pennsylvanian Gas Pool
Section 14, T-24-S, R-26-E
Eddy County, New Mexico

Dear Zeno:

Following is Order No. R-12097 approving expansion of the above referenced pool. Please note that under order paragraph (2) on page 5, Gruy needs to file a Form C-102 with the Artesia Office dedicating 640 acres to the Bradley Federal Com Well No. 1.

Thank you for the opportunity to represent Gruy in this matter, and give my regards to Rob Daws and H.C. Lee.

Sincerely,

Michael H. Feldewert

MHF/jlp

Attachment

3192351_1.DOC

Holland & Hart LLP Attorneys at LawPhone (505) 988-4421 Fax (505) 983-6043 www.hollandhart.com

Jefferson Place 110 North Guadalupe Suite 1 Santa Fe, New Mexico 87501 Mailing Address P.O. Box 2208 Santa Fe, New Mexico 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C.

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

State of New Mexico

Energy, Minerals and Natural Resources Department

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

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

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-32672	Pool Code 87280	Pool Name White City; Penn
Property Code	Property Name Bradley 14 Federal Com	Well Number 001
OGRI No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT CO.	Elevation 3283'

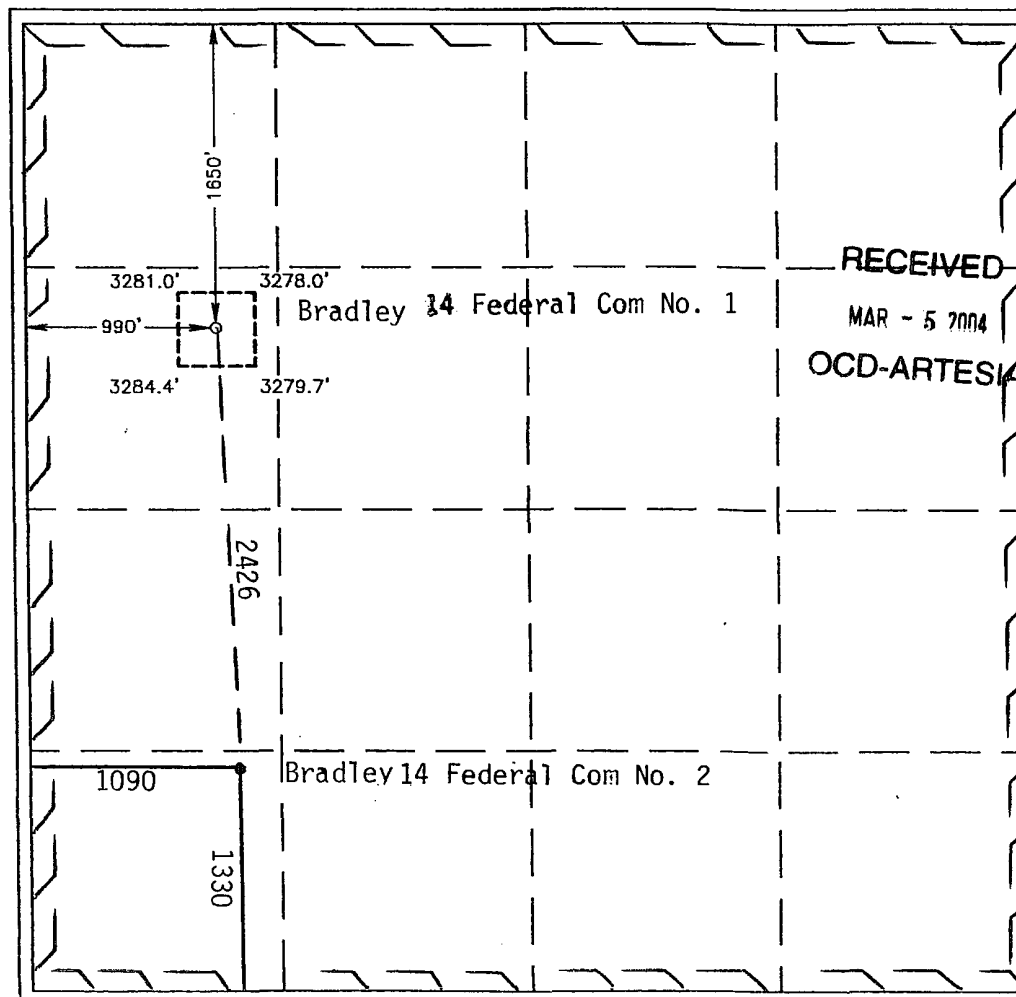
Surface Location

UL or lot No. E	Section 14	Township 24-S	Range 26-E	Lot Idn	Feet from the 1650'	North/South line NORTH	Feet from the 990'	East/West line WEST	County EDDY
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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 650.10	Joint or Infill Y	Consolidation Code C	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. <u>Zeno Farris</u> Signature Zeno Farris Printed Name Mgr. Operations Admin. Title February 26, 2004 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. DECEMBER 11, 2002 Date Surveyed Signature & Seal of Professional Surveyor Professional Surveyor NEW MEXICO 12/12/02 02.11.0945 Certificate No. RONALD F. EIDSON 3239 GARY EIDSON 12641
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