Sent: Thu 2/23/2006 1:14 PM

Stogner, Michael, EMNRD

From:

Stogner, Michael, EMNRD

To:

Jim Bruce

Cc: Subject: Arrant, Bryan, EMNRD; bglasscock@basspet.com RE: Big Eddy Unit #153 (Sec.20, T21S-R29E)

Attachments:

Subsequent to Mr. Arrant's e-mail message of 2/9/2006, Mr. Bruce filed an administrative application (received by the Division on 2/22/2006) pursuant to Division Rules 104.C (2) (a) and 111.A (13) for an unorthodox subsurface gas well location/producing area for this well (API No. 30-01534012). I have also reviewed the Division's computerized records for this well.

I'm a little confused as to the current status of this well. From these three sources of information I find that:

- (1) the APD dated 3/16/2005 indicates this well is to be drilled to TD at 13,100' as a conventional straight hole to test the Golden Lane-Morrow Gas Pool (77560);
- (2) on 2/9/2006 "this well is to be shut-in" (see Mr. Arrant's e-mail);
- (3) 3,412 MCF of gas from the Golden Lane-Morrow Gas Pool was reported for this well in December, 2005:
- (4) a Sundry Notice of Subsequent Report dated 12/8/2005 shows this well was spud on 9/17/2005;
- (5) a Sundry Notice of Intent dated 12/21/2005 indicates that Bass is planning to lateral drill from a KOP of 12,263' MD to a BHL 2383' FSL & 567' FEL (Unit I) of Section 20;
- (6) another Sundry Notice of Intent dated 2/9/2006 amended these plans with a KOP of 12,271'MD to a BHL 2587' FNL & 414' FEL (Unit H) of Section 20; and
- (7) Mr. Bruce's application in future tense ("the well will be drilled" and "applicant desires to drill a lengthy horizontal wellbore").

What is going on with this well? Details please.

From: Arrant, Bryan, EMNRD **Sent:** Thu 2/9/2006 1:23 PM

To: Brad Glasscock

Cc: Gum, Tim, EMNRD; Sanchez, Daniel J., EMNRD; Stogner, Michael, EMNRD

Subject: RE: Big Eddy Unit #153 (Sec.20, T21S-R29E)

Brad,

Please be informed that this well is to be shut-in today (February 9, 2006) until an approved NSL is granted from Santa Fe. Please review NMOCD Rule 19.15.3.104(C)(2) for more information.

Also, please be aware that whenever a well is directionally drilled that we are provided the correct bottom hole location.

Yours Truly,

**Bryan Arrant** PES 505-748-1283.103

CC: Daniel Sanchez-Enforcement & Compliance Manager Tim Gum-District II Supervisor Michael Stogner-NSL Approval

2-23 Bruce left responses

Jim Bruce in responses

jill Amendan

----Original Message-----

From: Brad Glasscock [mailto:bglasscock@basspet.com]

Sent: Thursday, February 09, 2006 12:26 PM

To: Arrant, Bryan, EMNRD

Cc: wayne Bailey

Subject: Big Eddy Unit #153 (Sec. 20, T21S-R29E)

Bryan,

This email is being sent to verify that Bass owns all the leases directly offsetting the proposed Big Eddy Unit #153. Please call and let me know if there is any other information you need in regards to this well.

Thanks,

Brad Glasscock Landman Bass Enterprises Production Co. (817) 339-7185 JAMES BRUCE ATTORNEY AT LAW

POST OFFICE BOX 1056 SANTA FE, NEW MEXICO 87504

2006 MAR 3 PM 12 45

369 MONTEZUMA, NO. 213 SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone) (505) 660-6612 (Cell) (5050 982-2151 (Fax)

jamesbruc@aol.com

March 3, 2006

### Hand delivered

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

Re: Amended NSL Application/response to your e-mail of 2/23/06

Dear Mr. Stogner:

Pursuant to Division Rule 104.F(2), Bass Enterprises Production Co. applies for approval of an unorthodox gas well location for the following well:

Well:

Big Eddy Unit Well No. 153 (API No. 30-015-34012)

Surface location:

660 feet FSL & 1980 feet FEL

Well unit:

E½ of Section 20, Township 21 South, Range 29 East,

N.M.P.M., Eddy County, New Mexico

Applicant applies for two unorthodox locations for the same well, as follows:

1. The well was drilled in late 2005, at the above surface location, as a vertical well. The well was drilled to a depth sufficient to test the Morrow formation (Golden Lane-Morrow Gas pool). The Morrow formation is developed on statewide rules, with 320 acre spacing, and wells to be located no closer than 660 feet to a quarter section line, nor closer than 10 feet to a quarter-quarter section line.

Per the deviation plat attached as Exhibit A, the well unintentionally deviated during drilling, to the following unorthodox bottomhole location:

Bottomhole location:

697 feet FSL & 2107 feet FEL

The vertical well has been completed in the Morrow formation, with perforations at 12,538-12,638 feet subsurface, and is capable of producing. It is now shut-in.

2. Because the well is not a prolific producer, applicant decided to drill the well directionally to further test the Morrow formation. The <u>initial</u> terminus of the well was to have been 2383 feet FSL and 567 feet FEL of Section 20. Applicant subsequently decided to extend the horizontal wellbore, and the proposed terminus of the well is now as follows:

Bottomhole location (terminus): 2587.17 feet FNL & 414.36 feet FEL

A Sundry Notice and Form C-102 for the well, with the final terminus point, are attached as Exhibit B. The well will be directionally drilled under Division Rule 111. The vertical wellbore has <u>not</u> been commenced.

Attached as Exhibit C is geological data on the Morrow formation. Applicant desires to drill the horizontal wellbore to test several Middle Morrow zones, at different structural levels. The length of the wellbore is necessary to adequately test all prospective zones, causing the terminus of the lateral to be slightly unorthodox toward the east.

After the horizontal well is drilled, applicant plans on producing the current perforations in the vertical wellbore, and the horizontal wellbore.

Attached as Exhibits D and E are a land plat and ownership information from the Unit Agreement for the Big Eddy Unit. The color code on Exhibit D is as follows:

Green: Acreage in E½ of Section 20 (the well unit);

Orange: Acreage in W½ of Section 20 and W½ of Section 29 (offsetting the

unorthodox vertical wellbore); and

Yellow: Acreage in W½ of Section 21 (offsetting the horizontal wellbore).

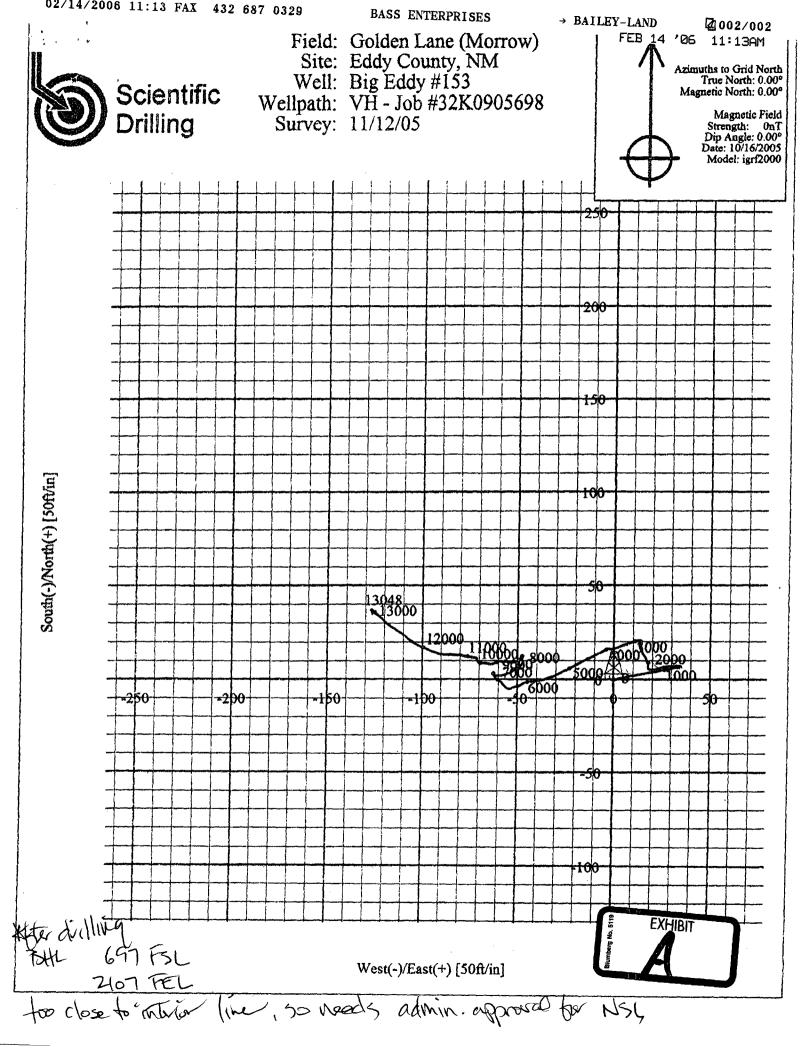
All of the offsetting (federal) leases are fully committed to the Big Eddy Unit, and ownership is common. Therefore, there is no adversely affected interest owner who needs to be notified of this application.

Please contact me if you need any further information on this application.

Very truly yours,

Times Brace

Atterney for Bass Enterprises Production Co.



Form 3160-5 (April2004)

# UI EDSTATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORMAPPROVED	
OM B No. 1004-0137	
Expires: March 31, 2	200

#### SUNDRY NOTICES AND REPORTS ON WELLS

NMNM04228

5. Lease Serial No.

SUINKI	HOTICES AND REPORTS (	NA AAFFERO	
	is form for proposals to drill or sell. Use Form 3160 - 3 (APD) for s		6. If Indian, Allottee or Tribe Name
	PLICATE - Other instructions of	n reverse side.	7. If Unit or CA/Agreement, Name and/or No. NMNM68294X
1. Type of Well  X Oil Well	Gas Well Other		8. Well Name and No.
2. NameofOperator			Big Eddy Unit #153
Bass Enterprises Produc	tion Co.		9. API Well No.
3a. Address		No.(include area code)	30-015-34012
P. O. Box 2760 Midland	TX 79702 (432	)683-2277	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Se	c., T., R., M., or Survey Description)		Golden Lane - Morrow
SWSE 660' FSL & 1980' Lat - 32.273410 deg, Lon	FEL, Section 20, T21S, R29E g 104.001640 deg		11. County or Parish, State Eddy New Mexico
12. CHECK A	PPROPRIATE BOX(ES)TO INDICATE	NATURE OF NOTICE, I	REPORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	Acidize Deepen	Production (S	tart/Resume) Water Shut-Off
X Noticeof Intent	AlterCasing Fracture		Well Integrity
		struction Recomplete	X OtherPlanned
Subsequent Report	X Change Plans Plugand		
Final Abandonment Notice	Convert to Injection Plug Bac	<del></del>	
determined that the site is ready Bass Enterprises Production hole Planned lateral: KOP 12 Original BHL was to be I Total displacement woul  Current Planned Lateral: 585' TVD BHL (Base of pay) at 2,5 TD (end of lateral) will be T215, R29E.	y for final inspection.) ction Co. wishes to alter our origi	nal directional plan, thu 14,706' MD, 12,673' T Sec 20, T21S, R29E. at N 40 deg E. and EOL 14,976' MD, 1 ction 20, T21S, R29E. 36' FEL of Section 20,	VD.
14. I hereby certify that the fore Name (Printed/Typed)	going is true and correct	1	
Annette Childers		Title Administrative	Assistant
Signature Onnot	te Philders	Date 02/09/2006	·
	THIS SPACE FOR FEDERAL	OR STATE OFFICE	USE
which would entitle the applicant to Title 18 U.S.C. Section 1001 and Title	e 43 I S C Section 1212 male is a seize for	lease Office	Date to make to any department or agency of the United
States any false, fictitious or fraudi	ulent statements or representations as to any	ny person knowingly and willfully matter within its jurisdiction.	to make to any department or agency or the United

(Instructions on page 2)



DISTRICT I 1825 N. Prench Dr., Hobbs, NM 88240 DISTRICT II

DISTRICT IV

State of New Mexico

Form C-102 Revised March 17, 1999

Inergy, Minerals and Natural Resources Department

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

811 South First, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Ed., Aztec, NM 87410

2040 South Pacheco, Santa Fe, NM 87505

# OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, New Mexico 87504-2088

I AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-34012	Pool Code 77560	GOLDEN LANE(MORR	OW)
Property Code	-	erty Name DDY UNIT	Well Number 153
ogrd №. 001801	-	PRODUCTION COMPANY	Elevation 3313'

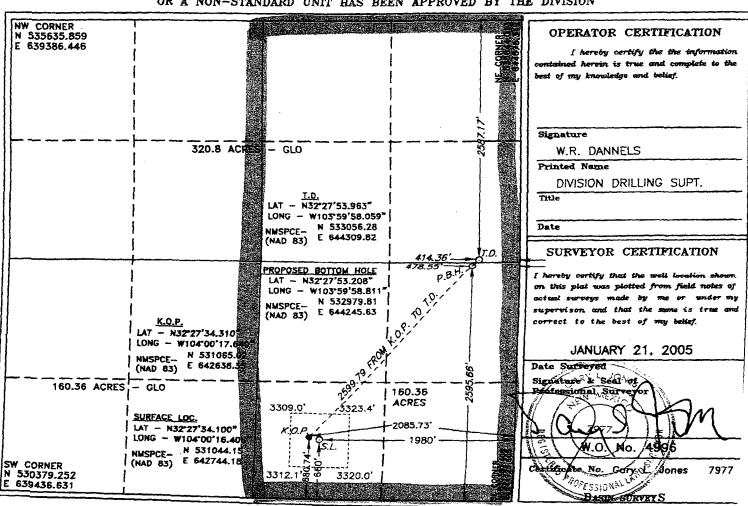
#### Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Peet from the	East/West line	County
0	20	21 S	29 E		660	SOUTH	1980	EAST	EDDY

#### Bottom Hole Location If Different From Surface

				ALGEC MO	Cacion in Since	1020 11022 542			
UL or lot No.	Section	Township	Range	Lot Idn	Peet from the	North/South line	Feet from the	East/West line	County
н	20	21 S	29 E		2587.17	NORTH	414.36	EAST	EDDY
Dedicated Acres	Joint o	r Infill C	onsolidation	Code Or	der 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



# Memorandum

To:

George A. Hillis

From:

Simianne C. Johnson-Hayden

Date:

January 25, 2006

Re:

BEU 153 - Lateral 1

Geological Structure - Middle Morrow

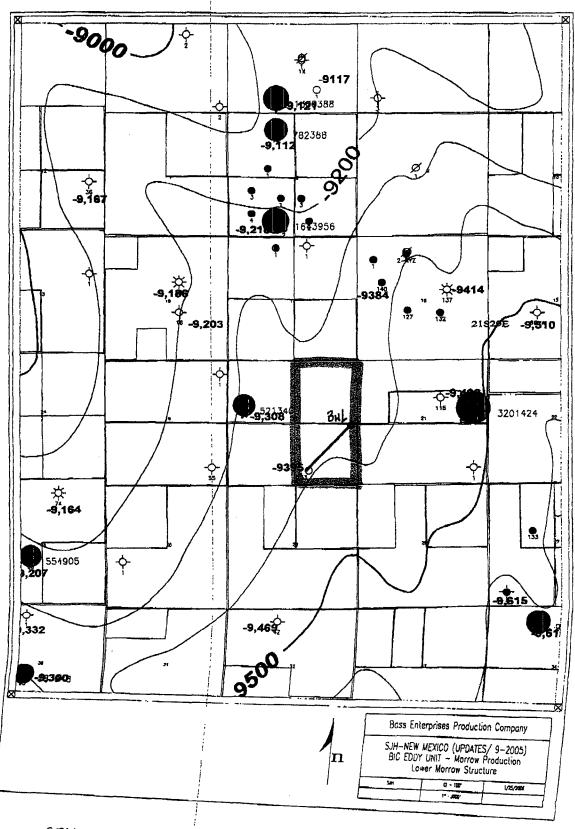
Attached please information provided to assist drilling/engineering in their final plans for the Big Eddy Unit No. 153 Lateral 1. A Top of the Lower Morrow structure map posting the proposed wellbore path for Lateral 1, and a wellbore stick-section of BEU No. 153 Vertical and Lateral 1 "end point" are presented for review.

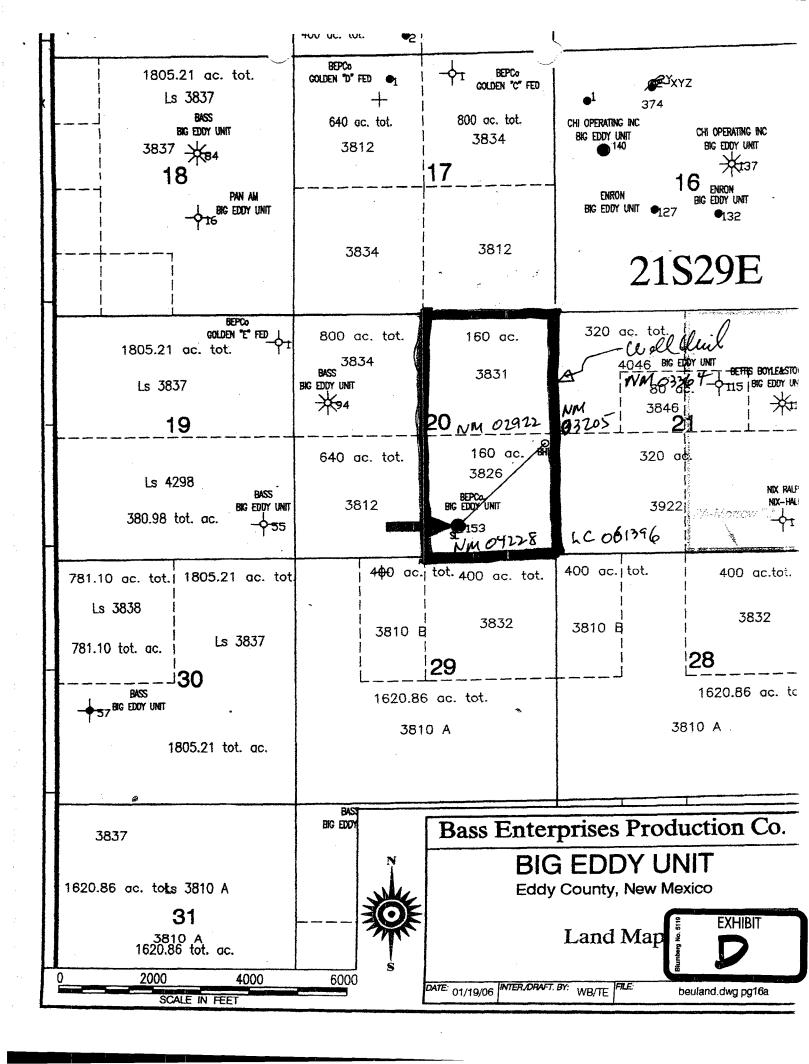
The stick-section illustrates the anticipated structural and stratigraphic relationship between the vertical well and the terminus of the 2500' Lateral 1. Middle Morrow Sand tops are provided in Measured and Subsea Depths for the Vertical well with the correlative estimated tops on Lateral 1 provided in True Vertical Subsea Depth. This data is estimated based on a N 40° E wellbore trajectory.





BASS ENTERPRISES PRODUCTION COMPANY			PAGE NO.
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10: 02 Working Interest Owner E. A. Culbertson & Wallace W. Iredu Hondo O11 & Gan Co. Marian D. Barris 38 S. W. Richardson & Perry R. Bass & Percenttage S. W. Richardson S. W. Richardson & Perry R. Bass Bertrend O. Bastz Obligation \$500 per acre out of M of production 1.875% Overriding Royalty Theims L. Rhodes & Percentage Marian D. Barrie Jerry Curtis THPS. 19, 20, 21, 22 and 23, 3., RHES, 28, 29, 30, 31 and 32 E., M.M.P.M. SCHEDULE SHOWING THE PERCENTAGE AND KIND OF CHRESHIP OF OIL AND CAS INTERESTS Amy McNutt E. A. Culbertson 1/8 Wallace W. Irrdp 1/9 Lesses of Record S. W. Richardson. S. W. Richardson & Perry R. Bass S. W. Richardson S. W. Richardson & Perry R. Bass & Perry R. Bass J. W. Owen IN ALL LANDS IN THE UNIT AREA KTHIBIT "B" Percentage Royalty & USA ALL TEN AZI USA All USA A11 USA AII USA ALL Application or Ser. No. 8 MM 0299-4 2-1-50 2-1-50 Net 0783 6-1-50 MR 0186 7-1-51 **三** 555 Date 2-1-50 Mo.of Acres Secs. 21, 22, 27 & 28 All Description of Land 7-21-3, R-30-E 3ec,14: 公本配 T-20-8, R-31-8 T-21-5, R-28-8 7-21-8, R-29-E Sec. B: SES T-21-8, R-30-E Sec. 3: Lots 1 T-21-3, R-29-4 Revised Jan.15, 1961 PEDERAL LAND Sec.10: Sec.17: Tract No. mberg No. 5119



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\* Operating Agraement dated Feb, 23, 1960 granted Shell Oil Go and Texas Grude Oil Go. on rights above 7456 fast on We and Wing Sec. 21 and 6.25% overriding royalty retained.

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1.00   1.00		t E. MoKes, ral Contractor, Ir	Mrs.Kila Belle Robin- son	Mrs. Ella Belle Robinson Obligation \$500 per acre out of 3% production	Mrs. Jane Strapp Obligation \$500 per acre out of 3% production		George L. Erwin, Jr. Obligation \$500 per acre out of 3% production		
T_21_3, R_28_4		3. W. Etchardson & Perry R. Bass	S. W. Richardson & Perry R. Bass	S. W. Richardson & Perry R. Bass	S. W. Richardson & Perry R. Bass	S. W. Richardson & Perry R. Bass	S. W. Richardson & Perry R. Bass	S. W. Etchardson & Perry R. Bass	8. W. Richardson & Perry R. Bass
1-21-3, R-28-8  Sec. 11; 1858  Sec. 11; 1858  T-21-3, R-31-8  Sec. 5; 10ts 1,2,3,4,5,6,7,8  T-22-3, R-31-8  Sec. 9; 10,11  Sec. 9; 10,11  Sec. 9; 10,11  T-22-3, R-29-8  Sec. 1; 10,11  Sec. 1; 10,11  T-22-3, R-29-8  Sec. 1; 10,11  Sec. 1; 10,11  T-22-3, R-29-8  Sec. 1; 10,11  Sec. 1; 10,11  Sec. 1; 10,11  T-22-3, R-29-8  Sec. 1; 10,11  Sec. 2; 10,11  Sec. 3; 10,11  Sec. 2; 10,11  Sec. 3; 10,11  Sec. 10; 10,11  S	:	USA A11	USA A11	USA ALL	USA A11	USA ALL	USA All	USA A11	USA ALL
1-21-5, R-28-8 300.11: Magnet 300.11: Magnet 300.11: Magnet 300.11: Magnet 300.5; Lota 1,2,3,4,5,6,7, 1-21-5, R-31-8 300.6; Si Lota 1,2,3,4,5,6,7, 1-21-5, R-29-8 300.11: Magnet 300.11: M		10 068669 10-1-19	1.0 068996-4 6-1-51	IC 068996-4 6-1-51	10 069110-4 8-1-51	10 069141 6-1-51	16 069142-4 8-1-51	10 069114 7-1-49	10 0691lil-A 7-1-49
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106-8 106-8 100-8 100-8		7-21-5, R-28-5 Sec.11: WESE Sec.14: NE	T-21-S, R-31-E Sec. 6: Lota 1,	•			~ OI	7-21-5, R-29-E Sec. 27; ESEE, W Sec. 28; ESEE, Sec. 28; ESEE, SEE, SEE, SEE, SEE, SEE, SEE, SE	Sec. 27: E. 19-89-8 Sec. 27: E. 19-18-8 Sec. 29: E. 19-18-8
		105.	106-4	106-B	107.	108.	109.	110-A	R-OTT