

6-28-04 DATE IN	7-19-04 SUSPENSE	Stagner ENGINEER	6-29-04 LOGGED IN	NSL TYPE	PSEM0418126462 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505



JUN 28 2004

OIL CONSERVATION
DIVISION

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.

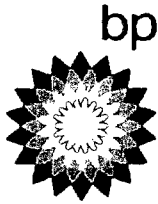
Mary Corley
Print or Type Name

Mary Corley
Signature

Sr. Regulatory Analyst 06/24/2004

Title Date

corleym1@bp.com
e-mail Address



San Juan South Asset

Mary Corley
WL1-19.171
281-366-4491 (direct)
281-366-0700 (FAX)
corleyml@bp.com

P. O. Box 3092
Houston, Texas 77253-3092
501 Westlake Park Boulevard
Houston, Texas 77079

May 24, 2004

Mr. Michael Stogner
New Mexico Oil Conservation Division
1220 South St Francis Drive
P.O. Box 6429
Santa Fe, NM 87505

Application for Non-Standard Well Location
Florance Well No. 46B
E/2 Section 29-T30N-R08W
Blanco Mesaverde Pool
San Juan County, New Mexico

BP America Production Company respectfully requests an administrative approval for a non-standard well location for the Florance Well No. 46B which was directionally drilled from a surface location of 750' FNL & 1490' from FEL of Section 29, T30N, R08W. The projected bottom hole location was 660' FNL & 1980' FEL of Section 29, T30N, R08W, however the final results of the directional survey indicates that the bottom hole location of the well as being 676' FNL & 2042' FEL of the Section This necessitates an exception to the well spacing pattern for the Mesaverde Pool.

For your review and consideration attached is a C-102 Well Location Plat showing the well location (SHL, proposed BHL, and actual BHL), a 9-section plat showing the offset wells and operators, and a copy of the Final Survey Analysis.

Burlington Resources and Lively Exploration, offset operators in the W/2 of Section 18 are being notified of this application via certified mail return receipt requested.

Your attention to this matter is greatly appreciated. Should you have any questions concerning this application please do not hesitate to call me at 281-366-4491.

Sincerely,

Mary Corley

cc: Frank Chavez, Supervisor
NMOCD District III
1000 Rio Brazos Road
Aztec, NM 87410

Burlington Resources
P.O. Box 4289
Farmington, NM 87499-4289

Lively Exploration Co.
2450 Fondren, Ste. 260
Houston, TX 77063

6' 14"
750'
676'
74'

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
	72319	Blanco Mesaverde
4 Property Code	5 Property Name	6 Well Number
000518	FLORANCE	# 46B
7 OGRID No.	8 Operator Name	9 Elevation
000778	BP AMERICA PRODUCTION COMPANY	6236

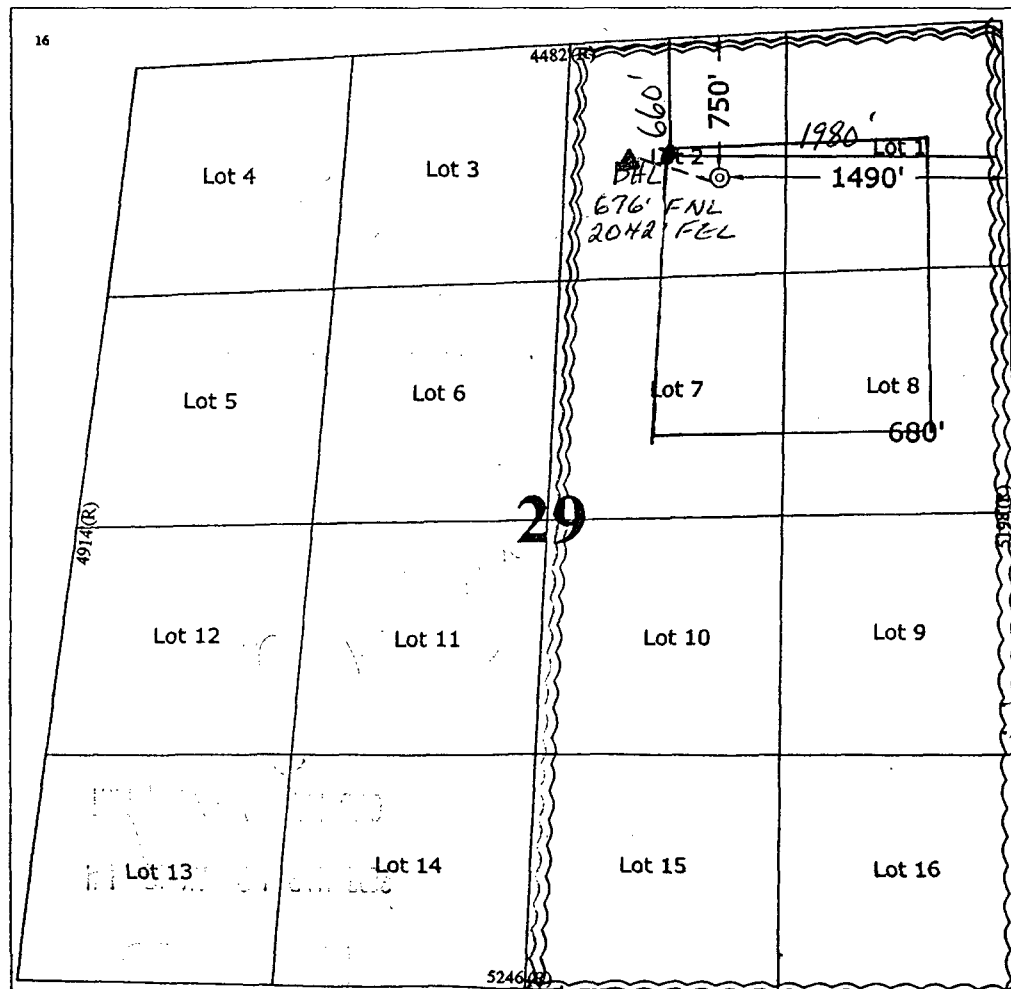
10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B (Lot 2)	29	30 N	8 W		750	NORTH	1490	EAST	SAN JUAN

11 Bottom Hole Location If Different From Surface

7 UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Lot 2	29	30N	8W		660	NORTH	1980	EAST	SAN JUAN
12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.						
287.18									

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature	<i>Mary Cordery</i>
Printed Name	MARY CORDERY
Title	Sr. Regulatory Analyst
Date	03.18.02

18 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.

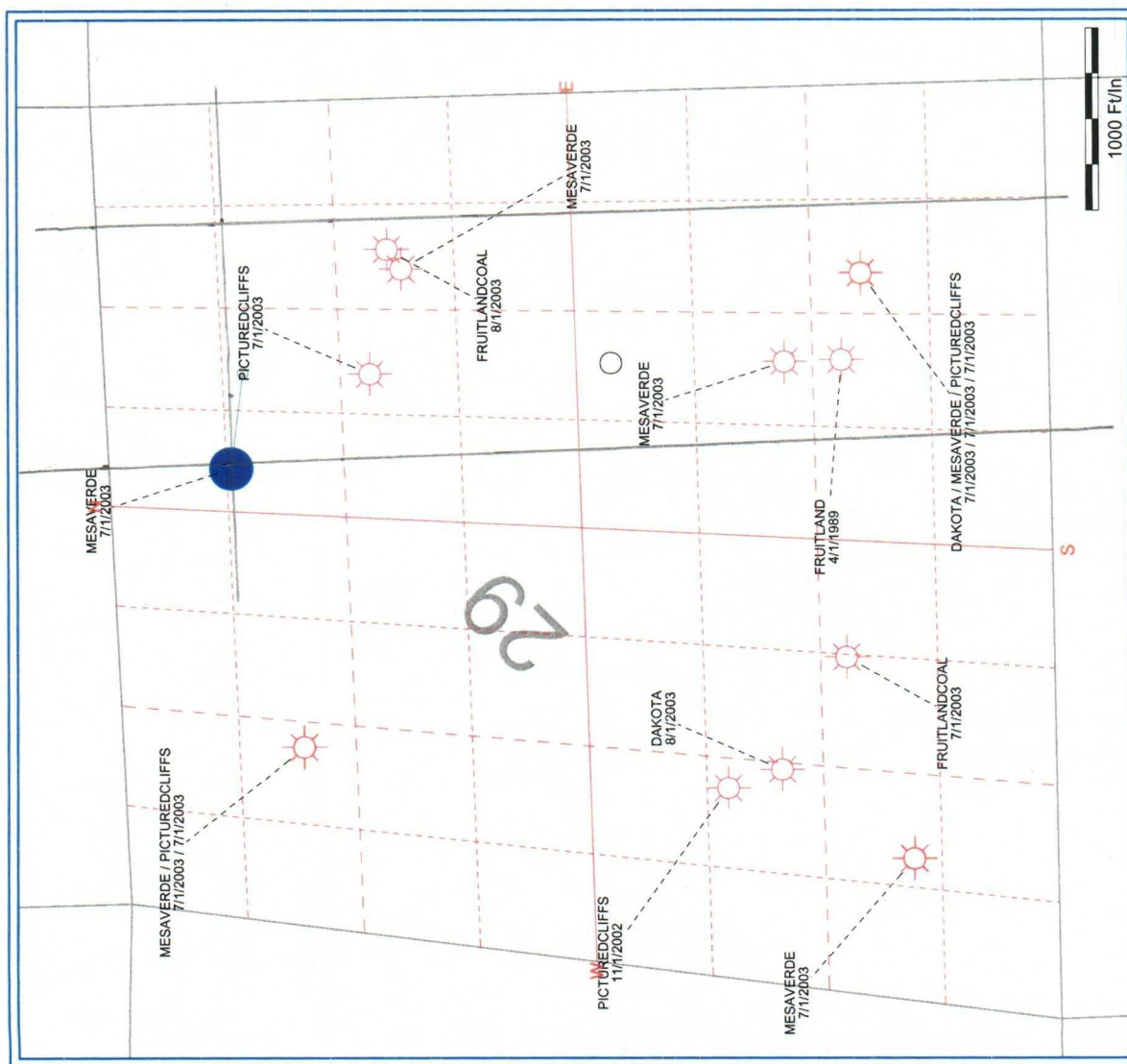
Date of Survey	July 9, 2001
Signature and Seal of Professional Surveyor	<i>GARY VANA</i>
Certificate Number	7016

Florence #46B

Surface Loc = 750 FNL 1490 FEL

BHL = 676 FNL 2042 FEL

variance = 62' too far west



Survey Report - Standard

Report Date: 13-May-2002	Survey / DLS Computation Method: Minimum Curvature / Lubinski
Client: BP, San Juan Performance Unit	Vertical Section Azimuth: 280.410°
Field: NM, San Juan County	Vertical Section Origin: N 0.000 ft, E 0.000 ft
Structure / Slot: BP 29 30N 8W (Florance 46B) No Certified Plat / Florance 46B	TVD Reference Datum: RKB
Well: Florance 46B	TVD Reference Elevation: 6250.000 ft relative to MSL
Borehole: Original Hole	Sea Bed / Ground Level Elevation: 6236.000 ft relative to MSL
UWI / API#:	Magnetic Declination:
Survey Name / Date: Florance 46B Final Surveys / May 5, 2002	Total Field Strength:
Tort / AHD / DDI / ERD ratio: 51.560° / 1622.52 ft / 4.929 / 0.288	Magnetic Dip:
Grid Coordinate System: NAD83 New Mexico State Planes, Western Zone, US Feet	Declination Date:
Location Lat / Long:	Magnetic Declination Model:
Location Grid N/E Y/X:	North Reference: True North
Grid Convergence Angle:	Total Corr Mag North -> True North:
Grid Scale Factor:	Local Coordinates Referenced To: Well Head

Station ID	MD (ft)	Incl (°)	Azim (°)	TVD (ft)	VSec (ft)	N-S (ft)	E-W (ft)	Closure (ft)	at Azim (°)	DLS (°/100ft)	TF (°)
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		-79.6 M
Begin SLB MWD Surveys	150.00	0.00	280.41	150.00	0.00	0.00	0.00	0.00	0.00	0.00	79.0 M
	204.00	0.47	79.02	204.00	-0.21	0.04	0.22	0.22	79.02	0.87	67.0 M
	234.00	0.36	66.97	234.00	-0.40	0.10	0.42	0.44	76.44	0.47	-9.0 M
	265.00	0.22	350.97	265.00	-0.46	0.20	0.51	0.54	68.47	1.21	-34.1 M
	296.00	0.62	325.89	296.00	-0.32	0.40	0.40	0.56	45.35	1.39	-51.3 M
	327.00	1.06	308.67	326.99	0.05	0.72	0.08	0.72	6.69	1.62	-45.2 M
	358.00	1.51	314.77	357.99	0.64	1.18	-0.43	1.26	340.01	1.52	-49.3 M
	392.00	2.28	310.74	391.97	1.59	1.94	-1.26	2.31	326.97	2.30	-49.4 M
	423.00	3.06	310.61	422.93	2.84	2.88	-2.36	3.72	320.72	2.52	-47.0 M
	455.00	3.97	312.95	454.87	4.51	4.19	-3.82	5.67	317.69	2.88	-50.2 M
	486.00	4.80	309.84	485.78	6.54	5.75	-5.60	8.03	315.79	2.78	-49.2 M

518.00	5.74	310.75	517.65	9.09	7.65	-7.84	10.96	314.33	2.95	-16.9 G
550.00	6.66	308.36	549.46	12.11	9.85	-10.50	14.40	313.16	2.99	-35.4 G
581.00	7.32	304.76	580.23	15.50	12.09	-13.54	18.15	311.78	2.55	-22.8 G
613.00	8.30	301.94	611.93	19.50	14.48	-17.17	22.46	310.13	3.29	-4.9 G
645.00	9.42	301.35	643.55	24.10	17.06	-21.37	27.34	308.61	3.51	-33.3 G
676.00	10.24	298.37	674.09	29.09	19.69	-25.96	32.58	307.18	3.11	-5.8 G
708.00	11.35	297.80	705.53	34.80	22.51	-31.25	38.51	305.77	3.48	-22.9 G
740.00	12.26	296.00	736.85	41.08	25.47	-37.09	44.99	304.48	3.07	-44.1 G
772.00	12.84	293.52	768.09	47.81	28.38	-43.40	51.85	303.18	2.47	-47.3 G
805.00	13.51	290.50	800.22	55.18	31.19	-50.37	59.25	301.77	2.91	-21.6 G
836.00	14.61	288.78	830.29	62.61	33.72	-57.47	66.63	300.40	3.80	-54.4 G
868.00	15.19	285.79	861.21	70.78	36.16	-65.32	74.66	298.97	3.01	-22.9 G
900.00	16.17	284.31	892.02	79.40	38.40	-73.67	83.08	297.53	3.31	-36.0 G
931.00	16.95	282.39	921.74	88.22	40.44	-82.27	91.67	296.17	3.07	-38.3 G
963.00	17.76	280.32	952.28	97.77	42.31	-91.63	100.93	294.79	3.18	-33.1 G
994.00	18.74	278.35	981.72	107.47	43.88	-101.21	110.31	293.44	3.74	-13.3 G
1026.00	19.56	277.77	1011.95	117.96	45.35	-111.60	120.46	292.12	2.63	-52.2 G
1090.00	19.71	277.20	1072.23	139.44	48.15	-132.92	141.38	289.91	0.38	-23.0 G
1153.00	20.10	276.72	1131.46	160.85	50.75	-154.21	162.35	288.22	0.67	-15.6 G
1278.00	21.54	275.63	1248.30	205.15	55.52	-198.38	206.01	285.63	1.19	-180.0 G
1340.00	20.60	275.62	1306.15	227.36	57.70	-220.57	227.99	284.66	1.52	-58.1 G
1436.00	20.99	273.91	1395.90	261.27	60.53	-254.53	261.63	283.38	0.75	-175.9 G
1497.00	19.58	273.61	1453.11	282.28	61.92	-275.63	282.50	282.66	2.32	33.0 G
1592.00	19.96	274.33	1542.52	314.21	64.14	-307.68	314.30	281.78	0.48	-3.9 G
1656.00	20.95	274.14	1602.48	336.45	65.79	-329.99	336.48	281.28	1.55	-176.3 G
1719.00	19.71	273.90	1661.55	358.20	67.33	-351.82	358.21	280.83	1.97	169.9 G
1783.00	19.07	274.25	1721.92	379.32	68.84	-373.02	379.32	280.46	1.02	115.1 G
1815.00	18.99	274.78	1752.17	389.69	69.66	-383.42	389.69	280.30	0.60	159.6 G
1846.00	18.29	275.61	1781.55	399.56	70.56	-393.29	399.56	280.17	2.41	136.6 G
1878.00	18.02	276.44	1811.95	409.50	71.60	-403.20	409.51	280.07	1.17	-147.0 G
1910.00	17.42	275.13	1842.44	419.21	72.58	-412.89	419.22	279.97	2.25	157.8 G
1942.00	16.88	275.89	1873.01	428.61	73.49	-422.28	428.63	279.87	1.83	-160.1 G
1974.00	16.58	275.51	1903.66	437.79	74.41	-431.45	437.82	279.78	1.00	-154.5 G

Last SLB Survey	2006.00	16.00	274.50	1934.37	446.73	75.19	-440.39	446.76	279.69	2.02	-173.1 G
	2037.00	14.78	273.92	1964.26	454.91	75.80	-448.59	454.95	279.59	3.97	159.7 G
	2069.00	14.00	275.12	1995.26	462.82	76.42	-456.52	462.87	279.50	2.61	142.8 G
	2101.00	13.48	276.83	2026.34	470.39	77.21	-464.08	470.46	279.45	2.06	152.6 G
	2132.00	12.89	278.21	2056.53	477.45	78.13	-471.09	477.53	279.42	2.16	165.3 G
	2164.00	11.74	279.70	2087.79	484.28	79.19	-477.83	484.35	279.41	3.73	169.4 G
	2195.00	11.18	280.24	2118.17	490.44	80.26	-483.90	490.51	279.42	1.84	151.5 G
	2226.00	10.66	281.78	2148.61	496.31	81.38	-489.66	496.38	279.44	1.92	158.5 G
	2258.00	9.81	283.76	2180.10	501.99	82.63	-495.21	502.05	279.47	2.87	-166.7 G
	2290.00	8.97	282.48	2211.67	507.20	83.82	-500.29	507.26	279.51	2.70	179.5 G
Assumed Drop To Vertical	2321.00	8.00	282.54	2242.33	511.77	84.81	-504.76	511.83	279.54	3.13	-159.0 G
	2353.00	7.19	280.03	2274.05	516.00	85.64	-508.90	516.06	279.55	2.73	-159.2 G
	2384.00	6.49	277.66	2304.83	519.69	86.21	-512.55	519.75	279.55	2.43	-170.9 G
	2416.00	5.44	275.89	2336.66	523.01	86.61	-515.85	523.07	279.53	3.33	168.5 G
	2447.00	4.45	278.50	2367.54	525.68	86.94	-518.50	525.74	279.52	3.27	-82.2 M
	2478.00	3.21	277.75	2398.47	527.75	87.23	-520.55	527.81	279.51	4.00	-88.6 M
	2508.00	2.15	271.36	2428.44	529.14	87.36	-521.95	529.21	279.50	3.67	-102.4 M
	2540.00	1.24	257.57	2460.42	530.05	87.30	-522.88	530.12	279.48	3.10	-115.0 M
	2577.00	0.70	245.04	2497.42	530.61	87.12	-523.48	530.68	279.45	1.56	-115.0 M
	2626.00	0.00	245.04	2546.42	530.85	86.99	-523.75	530.93	279.43	1.43	-115.0 M
Assumed Client TD	5708.00	0.00	245.04	5628.42	530.85	86.99	-523.75	530.93	279.43	0.00	---

Survey Error Model: Wolff & deWardt 1.0000 sigma

Surveying Programme:

MD From (ft)	MD To (ft)	EOU Freq	Survey Tool Type
0.00	2626.00	Act-Stns	Anadrill MWD
2626.00	5708.00	Act-Stns	Poor Mag

1490
523/15
2

6490
279.43
64

