· · ·	. <u> </u>	
	N SUSPENS	2868
	I	NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau (7) MAR 5 PM 1220 South St. Francis Drive, Santa Fe, NM 87505
		ADMINISTRATIVE APPLICATION CHECKLIST
٦	THIS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Appil	[DHC-Down [PC-Po	s: ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] nhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] ol Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] lified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AP [A]	PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Simultaneous Dedication NSL NSP SD
	Check [B]	One Only for [B] or [C] Commingling - Storage - Measurement M DHC CTB PLC PC OLS OLM
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR
	[D]	Other: Specify
[2]	NOTIFICAT	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply 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

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE.

CERTIFICATION: I hereby certify that the information submitted with this application for administrative [4] 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.

Charles E. Kendrix Print or Type Name

<u>Challe E. Kinderty</u> <u>Res Compliance Rep</u> <u>2/29/07</u> <u>Signature</u> <u>Title</u> <u>Date</u> <u>cekendrix @ marathenoil.com</u> <u>e-mail Address</u>

District I 1625 N. French Driv

District II

1301 W. Grand Aven uc, Artesia, NM 88210

ve, Hobbs, NM 88240

District III Artec NM 87410 4

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION TYPE Establish Pre-Approved Pools EXISTING WELLBORE 🔀 Yes ___No

APPLICATION FOR DOWNHOLE COMMINGLING

Marathon	0:1	Company	P.O. Box 3487	Houston, Texas 77252 3487
Operator	-	····/	Address	NI - 7060
Marshall	B	#3	K-27-215-37E	AHC-Souten
Lease		Weil No.	Unit Letter-Section-Township-Rang	ge County

OGRID No. 14021 Property Code 6428 API No. 30-025-06820 Lease Type: _____Federal _____State X Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Penrose Skelly GB		Paddock
Pool Code	50350		49210
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3688'- 3940'		5126' - 5176'
Method of Production (Flowing or Artificial Lift)	Pumpins		Pumpins
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)			
Oil Gravity or Gas BTU (Degree API or Gas BTU)	36.6		38.0
Producing, Shut-In or New Zone	Producing		Shut In
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 02/27/07 Rates: 011 Gas water 7.81 53 31	Date: Rates:	Date: 01/11/05 Rates: 0:1 Gas water 2.32 43 11.5
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas 54 % 55 %	Oil Gas % %	Oil Gas 46 % 45 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones? If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? N/A	Yes No Yes No
Are all produced fluids from all commingled zones compatible with each other?	Yes No
Will commingling decrease the value of production?	Yes No
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes No
NMOCD Reference Case No. applicable to this well:	

Attachments:

C-102 for each zone to be commingled showing its spacing unit and acreage dedication.

Production curve for each zone for at least one year. (If not available, attach explanation.)

For zones with no production history, estimated production rates and supporting data. Data to support allocation method or formula.

Notification list of working, royalty and overriding royalty interests for uncommon interest cases.

Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools

List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application. Bottomhole pressure data.

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

SIGNATURE Charles	Ē.	Kendning	TITLE Rez.	Compliance	Rep	_DATE_ <u>3/01/0</u>	Z

TYPE OR PRINT NAME Charles E. Kendix TELEPHONE NO. (713) 296-2096

E-MAIL ADDRESS cckendrix @marathonsil.com

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT | P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator				Lease				Well No.	
	Oil Compan	ıy		W. S. 1	Marshall	L "B"		3	
	Section	Township		Range			County	<u>_</u>	
К	27	21-S		3	7-Е	NN		ea	
Actual Footage Loca	tion of Well:			<u> </u>					
1980	feet from the	South	line and	1980		feet f	irom the West		
Ground level Elev.	Produc	ing Formation		Pool				Dedicated Acr	tage:
3410 '		Paddock		Paddo	ck			40	Acres
2. If more unitizat	than one jease is de than one jease of d tion, force-pooling, e Yes [is 'no'' list the own if neccessary.	No If ans ers and tract description	utline each and dedicated to the wer is "yes" typ ons which have	identify the ov well, have the or of consolidat actually been of	membip there interest of all ion ionsolidated.	of (both as to w owners been o (Use reverse aid	ansolidated by com	munitization,	
No allow:	ble will be assigned	to the well until all i liminating such intere				utization, uniti	ntion, forced-poolu	ng, or otherwise)	
							I hereby contained here best of my know Signature Printed Name Thomas M Position Advanced Company Marathon Date 5/19/92	in in true and dadge and belief. as m I. Price	the information complete to the <u>Dice</u> cinq Tech
1980							I hereby certif on this plat w actual surveys supervison, an	y that the well nas plotted from made by me d that the san best of my al of	location shown s field notes of or under my ne is true and knowledge and
0 330 660	990 1320 1650	1980'	FUR	0 1500	1000	500 0	Certificate No.		

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources

ł

Form C-102 Revised June 10, 2003

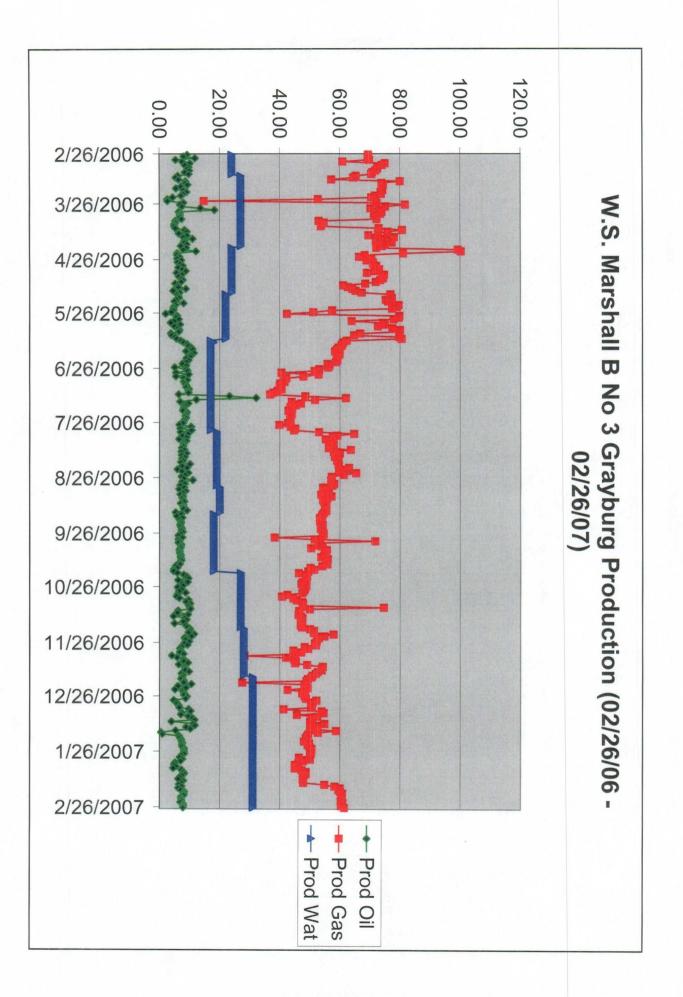
OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

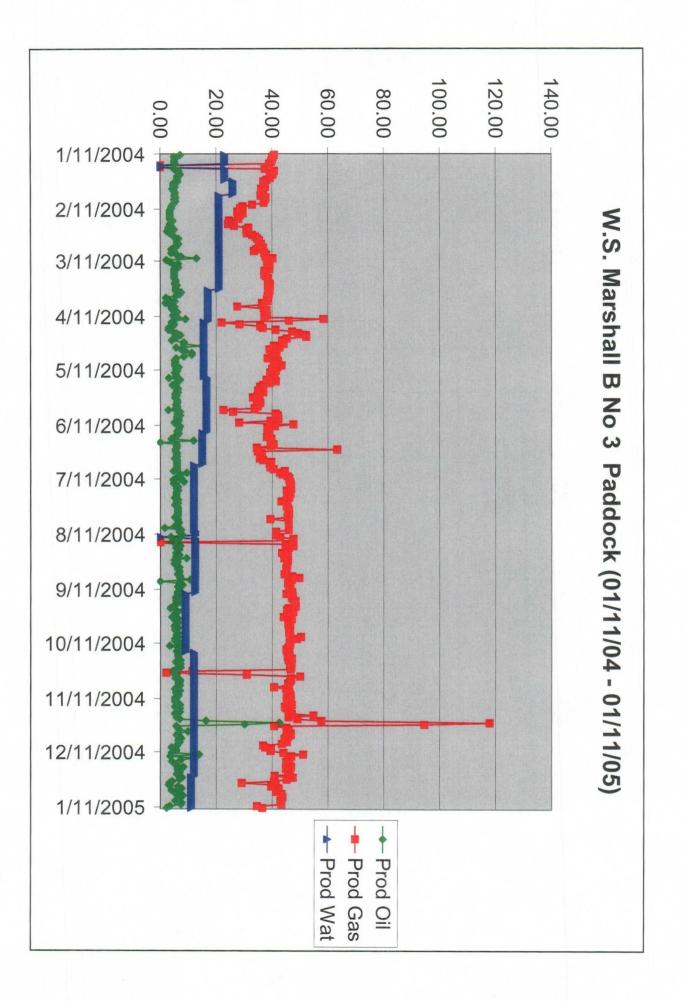
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

		WEL	L LOCA	TION A	ND AC	REA	GE DEDICA	TION PLA	<u>r</u>		
	¹ API Numb		² Pool Code	1			³ Pool Na	me			
30	0-025-068	20		50350			1	Penrose Skell;	y Graviurg		
⁴ Property	y Code				⁵ Pro	perty Na	me			6 Well Number	
0064	128				-1007.	Marite	II B			3	
⁷ OGRI	D No.				⁸ Ope	rator Na	me			⁹ Elevation	_
140	21				Maratho	n 011	Company			3410'	
				1	⁰ Surface	Locat	ion				
UL or lot no.	Section	Township	Range	Lot. Idn	Feet fi	rom the	North/South line	Feet from the	East/West line	Сон	unty
ĸ	27	21S	37E		198	0	South	1980	West	Lea	
			¹¹ Bott	tom Hole L	ocation	If Diff	erent From Su	rface			
UL or lot no.	Section	Township	Range	Lot. Idn	Feet f	rom the	North/South line	Feet from the	East/West line	Cor	unty
12 Dedicated Acr		nt or Infill 14	Consolidation	Code 15 O	rder No.				İ		
40		N	000000000000								

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

16				¹⁷ OPERATOR CERTIFICATION
				I hereby certify that the information contained herein is
				true and complete to the best of my knowledge and
				belief .
				Charles E. Funding
				Signature
			•÷	
				Charles E. Kendrix
				Printed Name
				Engineering Technician
				_cekendriz@marathonoil.com
				Title and E-mail Address
				02/08/2005
			1	Date
				¹⁸ SURVEYOR CERTIFICATION
	1			I hereby certify that the well location shown on this
				plat was plotted from field notes of actual surveys
<u>k 1980'</u>	· · ·			made by me or under my supervision, and that the
	i 7 - 1			same is true and correct to the best of my belief.
	に ! !			
	<u>increase and in the second se</u>	·		Date of Survey
				Signature and Scal of Professional Surveyer:
		, · · ·		
	1980'			
	1100			
				Certificate Number





W.S. Marshall B No 3 Downhole Commingle Grayburg and Paddock Formations

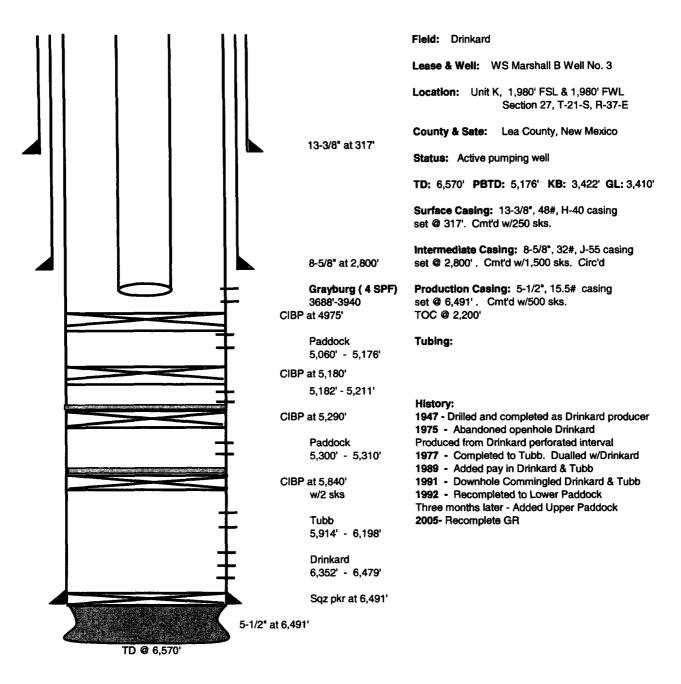
The production graphs for the two formations in this well are included with this filing. The request to combine the completions in a downhole commingle wellbore is our attempt to make the well more economically viable to produce for a longer period of time.

The Paddock completion was first brought on production on 06/08/1992 and was taken out of production on 01/11/2005 in order to re-complete the well to the Grayburg formation. The Paddock formation has three sets of perforations that are isolated with three cast iron bridge plugs. It is our intention to only commingle the upper set of Paddock perforations at 5060' to 5176'. The two lower sets of perforations will remain isolated below bridge plugs. A wellbore diagram is included with this package to show the various perforation intervals in the well.

The Grayburg formation was brought on production on 02/04/2005 and is currently still producing as a single well completion.

The allocation percentages for the downhole commingled well bore was derived by using average daily production for the last thirty days of production for each pool as follows:

	Oil	Gas	Water	
Paddock	6.06	42.92	11.52	
Grayburg	<u>7.08</u>	<u>52.65</u>	<u>31.00</u>	
Totals	13.14	95.57	42.52	
_	~ "			
Percentages	Oil		Gas	Water
Paddock	6.06/13.14= .4612 (4	60%)	42 02/05 57- 4401 (45%)	11 52/45 52 2700 (270)
FAULUCK	0.00/13.144012 (4	0%)	42.92/95.57= .4491 (45%)	11.52/45.52=.2709 (27%)
Grayburg	7.08/13.14= .5388 (54%)	52.65/95.65=.5509 (55%)	31.00/42.52=.7290 (73%)



1/24/2005: run GR/CCL 3370'- 5000'. Set CIBP @ 4975'. Perf Grayburg formation 176 holes 90 degree phase (3692-3940 1/25/2005: Acidize with 4500 gals of 15% HCL @ 10 BPM.

1/29/2005: Hydraulic frac Grayburg with: 36k # of 16/30 sand , and 42k gals of Delta Frac gel.Down Frac TBG 3 1/2" OD.

GR perforations:

3937	to	3940
3889	to	3892
3875	to	3880
3861	to	3865
3815	to	3822
3827	to	3835
3779	to	3783
3757	to	3760
3715	to	3718
3688	to	3692