e-mail Address

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

Т	HIS CHECKLIST IS M	ANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE	AND REGULATION	ONS
Applic	[DHC-Dowi		mingling] ment]	
[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 DHC DCTB PLC PC OLS OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI EOR PPR	2000 FEB	TO MO
	[D]	Other: Specify	ᆂ	П
[2]	NOTIFICATE [A]	ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners	PM 2	✓
	[B]	Offset Operators, Leaseholders or Surface Owner	26	0
	[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, a	and/or,	
	[F]	Waivers are Attached		
[3]		CURATE AND COMPLETE INFORMATION REQUIRED TO PROC ATION INDICATED ABOVE.	ESS THE TY	YPE
	val is <mark>accurate</mark> a	FION: I hereby certify that the information submitted with this application for a complete to the best of my knowledge. I also understand that no action we quired information and notifications are submitted to the Division.		
	Note:	Statement must be completed by an individual with managerial and/or supervisory capac	ity.	1
	usie Campos or Type Name	Signature Regulatory Tech Title	1/29 Date	108
		i campos@maratho	noil com	

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-107A Revised June 10, 2003

District II

1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u>

TYPE OR PRINT NAME Susie Campos

E-MAIL ADDRESS icampos@marathonoil.com

Oil Conservation Division

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

APPLICATION TYPE __X_Single Well Establish Pre-Approved Pools

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	APPLICATION FOR DO	EXISTING WELLBORE X Yes No		
Marathon Oil Compar		Texas 77253-3487		
Marshall "B"	13 L	iress 27 21S 37E	Lea	
Lease	Well No. Unit Letter-	Section-Township-Range	County	
OGRID No. 14021 Property Co	ode 6428 API No. 30-0)25-37592 Lease Type:	Federal State X Fee	
DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWERZONE	
Pool Name	Penrose Skelly Grayburg		Hare San Andres	
Pool Code	50350		78080	
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3682' - 3876'		3996' - 4130'	
Method of Production (Flowing or Artificial Lift)	Pumping		Pumping	
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)	35.9		32.8	
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: 12/5/07 Rates: 12.2 bbl, 128 mcf	Date:	Date: 11/2/06 Rates: 1.5 bbls, 243 mcf	
Fixed Allocation Percentage	Oil Gas	Oil Gas	Oil Gas	
(Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	89 % 34 %	% %	11 % 66 %	
	ADDITION	NAL DATA		
Are all working, royalty and overriding If not, have all working, royalty and over Are all produced fluids from all commit Will commingling decrease the value of If this well is on, or communitized with or the United States Bureau of Land Manna NMOCD Reference Case No. applicable Attachments: C-102 for each zone to be comming Production curve for each zone for For zones with no production histor Data to support allocation method of Notification list of working, royalty Any additional statements, data or content of the statement of the support allocation is the support and statements, data or content of the support and support and statements, data or content of the support and	erriding royalty interest owners bee ingled zones compatible with each of production? , state or federal lands, has either the inagement been notified in writing the tothis well: led showing its spacing unit and act at least one year. (If not available, ity, estimated production rates and surformula. and overriding royalty interests for	the notified by certified mail? The Commissioner of Public Lands of this application? N/A N/A reage dedication. attach explanation.) upporting data. r uncommon interest cases.	Yes X No Yes X No Yes No X Yes No No	
	PRE-APPRO	VED POOLS		
If application is	to establish Pre-Approved Pools, th	e following additional information wi	ll be required:	
List of other orders approving downhole List of all operators within the proposed Proof that all operators within the propo- Bottomhole pressure data.	Pre-Approved Pools			
I hereby certify that the information	_	he best of my knowledge and belie	/ / -	

TELEPHONE NO. (713)

DISTRICT I 1625 N. FRENCH DR., HORRS, NM 86240

Energy, Minerals and Natural Besources Department

DISTRICT II

Dedicated Acres

Joint or Infili

Consolidation Code

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Revised JUNE 10, 2003 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

Form C-102

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

DISTRICT IV 1220 S. ST. FRANCIS BR., SANTA FR, NM 87505	WELL LOCATION AND	ACREAGE DEDICATION PLAT	□ AMENDED REPORT
API Number	Pool Code	Pool Nam	e
	50350	PENROSE SKELLY; 6	<i>SRAYBURG</i>
Property Code	Pro	perty Name	Well Number
006428	MAR	13	
OGRID No.	Ope	Elevation	
14071	MARATHON	OIL COMPANY	3413'

Feet from the North/South line UL or lot No. Range Lot Idn Feet from the East/West line Section Township County Ν 27 990 SOUTH 1980 **WEST** 21 - S37-E LEA Bottom Hole Location If Different From Surface Feet from the UL or lot No. Lot Idn North/South line Section Township Range Feet from the East/West line County

Surface Location

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

Order No.

	OPERATOR CERTIFICATION
	I hereby certify the the information
	contained herein is true and complete to the
	best of my knowledge and belief.
	Frank M. Kurah
	Signature
	FRANK M. KRUGH
	Printed Name
	Reg. Comp. REP. III
	Title
	Nacember 13, 2005
	Date
	SURVEYOR CERTIFICATION
GEODETIC COORDINATES NAD 27 NME	I hereby certify that the well location shown on this plat was plotted from field notes of
IVAD 27 IVINL	actual surveys made by me or under my
Y=527700.4 N	supervison, and that the same is true and correct to the best of my belief.
X=864270.9 E	correct to the best of my bests.
LAT. = 32°26'42.81" N	SEPTEMBER 8, 2005
LONG.=10,3'09'09.14" W	Date Surveyedning LA Signature & Geaf And the
	Protessival Genveyal
1980'	
B'*5 1	Dary 12 20/05
	1
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Calcada No. annu strada
	Certificate No. GARY FIDSON 12841
	Minimum PROFESSION CONTRACTOR

State of New Mexico

DISTRICT I

DISTRICT II
1301 V. GRAND AVENUR, ARTESIA, NM SERIO

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

Form C-102
Revised JUNE 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

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

DISTRICT IV	WELL LOCATION AND ACREAGE DEDICATION PLAT	□ AMENDED REPORT
30-025- 37592	Pool Code 24150 GUNICE Pool Name 18080 HARE: SAN ANDRES	(GAS)
Property Code	Property Name	Well Number
006428	MARSHALL B	13
OGRID No.	Operator Name	Ricvation
14021	MARATHON OIL COMPANY	3413'

7702		L							
Surface Location									
UL or lot No.	Section	Township	Range	lot idn	Feet from the	North/South line	Peet from the	East/West line	County
N	27	21-S	37-E		990	SOUTH	1980	WEST	LEA
			Bottom	Hole Loc	cation If Diffe	erent From Sur	face		
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 Infil! 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

	OPERATOR CERTIFICATION
	contained herein is true and complete to the best of my knowledge and belief.
	Frank M. Kugh
	FRANK M. KRUGH
	Reg. Comp. REP. III
	Date
	SURVEYOR CERTIFICATION
GEODETIC COORDINATES NAD 27 NME	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
Y=527700.4 N X=864270.9 E	supervison, and that the same is frue and correct to the best of my bulist.
LAT.=32*26*42.81" N	SEPTEMBER 8, 2005
LONG. = 103'09'09.14" W	Date Superior LA Signature & San of Superior Annual Processional Superior Annual Procession An
1980'	par 19 th One 3/20/05
8.41	Configure No. GARY EDGM 12841
Levery 1	Management of the Comment of the Com

W.S. Marshall B No 13 DHC Commingle

Production Curves

The production curves included with this application were for less than a year due to the fact that the well has not produced for over a year in either formation. The allocation percentages are based on the lastest production data available for both formations.

Well allocation

The following formulas were used to derive the allocation percentages for each formation. The well level production was determined by well test. In which each well test was given a weighted percentage based on the well test and producing time.

Hares San Andres Oil 1.5 bbls / 13.7 bbls= .1095 = 11%	Penrose Skelly Grayburg Oil 12.2 bbls / 13.7 bbls = .8905 = 89%
Gas	Gas
243 mcf / 371 mcf = .6550 = 66%	128 mcf / 371 mcf = .3450 = 34%
Water	Water
1231 bbls / 1332 bbls = .9242 = 92%	101 bbls / 1332 bbls = .07590 = 8%



