DEPART MC INC. TO MANAGENET BUREAU OF LAND MANAGENET BUREAU OF LAND MANAGENET SUBDRY MOTICES AND REPORTS ON WELLS Device a state from for proposale of old or or ender of a abandoned well. Use Form 3180-3 (APD) for such proposale. SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN SUBMIT IN TRIPLEATE Other Instructions on revene side IOUMAB BASIN Advess P.O. Box 552 Hidland, IX 19702 BIS/627-8355 Hidland, IX 19702 BIS/627-8355 HIdland, IX 19702 BIS/627-8355 HIdland, IX 19702 BIS/627-8355 IOUMAB BASIN IOUMABABABA IOUMAB BASIN IOUMABABABABABABABABABABABABABABABABABA	BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other instructions on reverse side 1. Type of Well Other 2. Name of Operator V Marathon 0il Company 3a. Address Jb. Phone No. (include area code) P.O. Box 552 Midland. TX 79702 915/687-8356 4. Location of Well (Footage, See, T. R. M. or Survey Description) SHL - U.L. "J", 1650' FSL & 1651' FEL, SEC. 16, T-21-S, R-23-E BHL - U.L. "J", 1650' FSL & 1651' FEL, SEC. 16, T-21-S, R-23-E Interce of SuBMISSION TYPE OF SUBMISSION Or long representation (clearly state all pertiment details, including estimated starting data if the proposal is to deepen directionally or recomplete horizonality, give subsarface locations and measured at if the proposal is to deepen directionally or recomplete horizonality, give subsarface locations and measured at if the operation of the involved operations. If the operation recursts in amula is the is ready	5. Lease Serial No. NM1832 6. If Indian, Allottee or Tribe Name 7. If Unit or CA/Agreement, Name and/or No. INDIAN BASIN 8. Well Name and No. NIBU 4 9. API Well No. 30-015-10558 10. Field and Pool, or Exploratory Area INDIAN BASIN, U. PENN 11. County or Parish, State EDDY NM REPORT, OR OTHER DATA ACTION
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14. I hereby certify that the foregoing is true and correct Name (Printed Typed) Title R. J. LONGMIRE M. J. Outcom DRILLING SUPERINTENDENT Date 4/26/99 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or or bid to the melionet holds lead or equitable title to those rights in the subject lease Office	SEE ATTACHED PROCEDURE FOR DETAIL.	
14. I hereby certify that the foregoing is true and correct Name (Printed Typed) Title R. J. LONGMIRE D. D		22,22,22,22,22,23,23,33,1 22,22,22,22,23,23,33,1 22,22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,33,1 22,22,22,23,23,1 22,22,22,23,23,1 22,22,22,23,23,1 22,22,23,23,1 22,22,23,23,1 22,22,23,23,1 22,22,23,23,1 22,22,23,23,1 22,23,23,23,1 22,23,23,1 22,23,23,1 22,23,23,1 22,23,23,1 22,23,23,1 22,23,23,1 22,23,23,23,1 22,23,23,23,23,23,1 22,23,23,23,23,23,23,23,23,23,23,23,23,2
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such that the applicant holds legal or equitable title to those rights in the subject reases	Approved by Title	UPERINTENDENT
	Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	UPERINTENDENT

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District I PO Box 1980, Hobbs, NM 88241-1980 District II

811 S. 1st Street, Artesia, NM 88210-2834

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

District IV

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico

OIL CONSERVATION DIVISION

2040 South Pacheco

Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

¹ API Number				² Pool Code			³ Pool Name						
30	-015-105	58		79040		I <mark>AN B</mark> ASIN, U.	AN BASIN, U. PENN GAS						
⁴ Property	Code		⁵ Property Name ⁶ Well Number										
641		NORTH INDIAN BASIN UNIT 4									4		
⁷ OGRID No.				⁸ Operator Name					⁹ Elevation				
14021 Marathon Oil Company 3940' G. L.									0'G.L				
¹⁰ Surface Location													
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from	n the	North/South Line	Feet from the	East/West		County		
J	16	21-S	23-E		1650		SOUTH	1651	EAST		EDDY		
	¹¹ Bottom Hole Location If Different From Surface												
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from	n the	North/South Line	Feet from the	East/West line County		County		
в	16	21-5	23 <i>-E</i>		760		NORTH	1650	EAS	5 Γ	EDDY		
12 Dedicated Acre	s ¹³ Joint	t or Infill ¹⁴ C	onsolidatior	n Code 15 Or	der No.		•	-					
640													
NO ALLO	WABLE	WILL BE AS	SIGNED	TO THIS C	OMPLE	TION L	INTIL ALL INT	ERESTS HAVE	E BEEN C	CONSC	DLIDATED		
		OR A NO	ONSTA	NDARD UN	VIT HAS	BEEN	APPROVED B	Y THE DIVISIO	ON				
								¹⁷ OPERA	TOR CE	ERTIF	ICATION		
k								I hereby certify	¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is</i> <i>true and complete to the best of my knowledge and belief</i> .				
							•	irue ana complet	e to the best	і ој тукл	lowieuge and bellej.		
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					I BH	L							
					1			I Inn. J. K.	huar				
K					I			Signature					
					i			R. J. LONG	MIRE				
l l								Printed Name					
					•			DRILLING S	OPERINI	ENDEN	····		
							•	4/26/99					
k					1			Date					
			18 SURVEYOR CERTIFICATIO										
N					I			I hereby certify	that the well	location	shown on this plat		
					1			was plotted from	i field notes	of actu	al surveys made by hat the same is true		
								and correct to the	best of my bel	lief.			
		0.1			1 9			4					
		o #q			5#	-							
<u> </u>	1							Date of Survey					
							`	Signature and Sea	al of Professio	onal Surv	eyer:		
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	`	\ <u>\</u>	、		.٨			Certificate Numb	er				
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SAL LISTING Page 1 Cour ref : 100' Radius 4-15-99 revised : 15-Apr-99	Vert Sect	.00 .97 .74 .80 .87 .93 .00
PROPOSAL Your Last revi		450 450 445 450 440 450 450 5633 56335 2930 2930 2930 2930 2930 2930 2930 2930
PR La	Dogleg Deg/100ft	57.30 57.30 0.00 0.00 0.00 0.00 0.00 0.00
		ыыыыы ыыыыы
MARATHON OIL COMPANY North Indian Basin Unit No.4,slot #1 NIBU,Eddy County New Mexico	G U L A R N A T E S	0.00 0.03 0.03 0.03 0.03 0.03 1.119 1.119 1.191 1.191 1.63
	R E C T A N C O O R D I	0.00 N 45.97 N 91.21 N 142.74 N 640.80 N 1138.87 N 1636.93 N 2135.00 N 2633.07 N 2930.00 N
	Measured Inclin. Azimuth True Vert Depth Degrees Degrees Depth	7300.00 7384.14 7399.61 7404.15 7448.08 7448.08 7492.01 7535.95 7579.88 7650.00
	Azimuth Degrees	0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03
	Inclin. Degrees	0.00 57.30 84.96 84.96 84.96 84.96 84.96 84.96 84.96
ŌN	Measured Depth	7300.00 7400.00 7448.27 7500.00 8000.00 8500.00 9500.00 9500.00 0298.08

All data is in feet unless otherwise stated. Coordinates from slot #1 and TVD from rotary table. Bottom hole distance is 2930.00 on azimuth 0.03 degrees from wellhead. Vertical section is from N 0.00 E 0.00 on azimuth 0.03 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

- Safety: Hold day Safety meetings explaining the toposed procedure.
 H2S conc tration 5,000 PPM
 Keep TIW on rig floor for all pipe connections at all times.
 Use 10# Brine to kill well if necessary.
 - Lockout/tagout energy source. RDMO pumping unit. Prepare location as necessary for pulling unit. Test safety anchors to 22,500#, if necessary.
- 2. MIRU pulling unit. Kill well as necessary. Install rod stripper. Unseat pump and TOOH w/ rods, laying down. Install 7 1/16" 3M dual ram hydraulic BOP (blind rams on bottom and 2 7/8" pipe rams on top) with Torus annular. TOOH w/ tubing.
- 3. RU wireline company. Install and test lubricator. Make gage ring run to 7,750'. Set top of 7" CIBP at 7,720' MD (5' above casing collar at 7,725'). RD wireline company.
- 4. TIH w/ 2 7/8" O.D. tubing. Test plug to 1000 psi. Hot water tubing to clean up paraffin. Circulate hole clean w/ fresh water. TOOH w/ 2 7/8" O.D. tubing, laying down. ND BOPE. NU 7 1/16" 3M X 2 7/8" 8rd EUE adapter flange. Install 2 7/8" master valve. RDMO pulling unit.
- 5. Clean location. Build and line 40' X 40' X 6' dump pit. MIRU horizontal pulling unit package. NU 7 1/16" 3M dual ram hydraulic BOP (with blind rams on bottom and 2 7/8" pipe rams on top) and 7 1/16" 3M annular. Test BOPE to 250/1500 psi. with test plug.
- 6. TIH w/ 6 1/8" window mill, smooth OD watermelon mill and casing scraper while picking up 2 7/8" O.D., 10.4#, S-135, AOH drillpipe to 7,720' MD. Set 20K on CIBP at 7,720' MD. Adjust tally and TOOH.
- 7. PU 7" Weatherford 3 Degree "WhipBack" whipstock assembly, starting mill, and orientation sub. TIH w/ 2 7/8" O.D., 10.4#, S-135 AOH drillpipe to 10' above CIBP. RU Wireline unit. RU and run SRG to orient whipstock at 101 degrees azimuth. Land whipstock on CIBP and re-check azimuth. Set whipstock and re-check azimuth. Release starting mill and start casing exit w/ starting mill. TOOH. PU Window mill, and Watermelon mill. TIH. Finish casing exit. TOOH. TIH w/ 6 1/8" bit, watermelon mill, watermelon mill on 2 7/8" DP. Open up casing exit and drill pilot nole to at least 7,720' MD. Window to be cut with fresh water. Circulate hole clean. TOOH
- 8. PU 4 3/4" Reed EHP 53 bit, 3 1/8" M1X motor, 2 7/8" O.D. Monel DC, MWD flow sub, and orienting sub, followed by 2,600' of 2 7/8" O.D., 10.4#, S-135, AOH drillpipe, and 20 - 4 1/8" X 2" DC's on 2 7/8" O.D., AOH drillpipe. Note - 4 1/8" DC's must drift 2" I.D.
- 9. Orient motor to 101 degrees azimuth using SRG gyro. Control drill 15' at 2-3'/hour for 15 feet. Run SRG gyro survey to confirm orientation. Drill curve section as per the attached directional program. Pump xanthan sweeps as necessary to clean the hole. TOOH.
- 10. PU 4 3/4" Reed EHP 53 bit, 3 1/8" MIXL motor, 2 7/8" O.D. Monel DC, and MWD flow sub on 2,600' 2 7/8" O.D, 10.4#, S-135, AOH drillpipe, and 20 - 4 1/8" X 2" DC's on 2 7/8" O.D., AOH drillpipe. Drill 1st lateral section as per the attached directional program using fresh water and xanthan sweeps as necessary. Pull back to 8,078' and time drill with left side tool face to sidetrack out of the 1st lateral. Drill 2nd lateral as per the attached directional program. After second lateral is drilled, circulate hole clean and displace hole with 2% KCL water.
- 11. TIH w/ 7" retrievable bridgeplug on the 2 7/8" tubing. Set bridgeplug at 7650'. ND BOPE, NU wellhead. RDMO Horizontal PU.
- 12. Clean up location. MIRU pulling unit. PU and RIH to retrieve RBP. TOH with RBP. PU and RIH with 2 7/8" tubing and packer, setting at approximately 7650'. RU swab lubricator. Swab well and evaluate fluid entry. Stimulation will be based upon fluid entry. If the well does not flow, the whipstock will be retrieved and the CIBP @ 7,720' will be knocked to bottom to provide a sump for a rod pump installation.