District I

District II

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505 OCD-ARTESIA

JAN 23 2008 Oil Conservation Division 1220 South St. Francis Dr. CD-ARTESIA Santa Fe, NM 87505



Submit to appropriate District Office

☐ AMENDED REPORT

Form C-101

May 27, 2004

State of New Mexico

Energy Minerals and Natural Resources

APPL	ICATI	ON I	FOR				ENTER, D	EEPEN	i, PLUGBAC			ZONE		
Operator Name and Address Marbob Energy Corporation									² OGRID Number 14049					
PO Box 227 Artesia, NM 88211-0227									³ API Number 30 – 015-33559					
Property Code Property							Name		1 30 - 013-33	337	⁶ Well No.			
34158						Bobber S	State		1					
⁹ Proposed Pool 1						97316				¹⁰ Proposed Pool 2				
100		عيسد د		- · · · · · · · · · · · · · · · · · · ·			Location			······································				
UL or lot no E	Section 30		wnship Range 20S 27E		Lot le		om the North	/South line	Feet from the 660	East/West West	line	County Eddy		
E	200	,		Dotte					West Lady					
			osed Bottom Hole Locat			South line	Feet from the	East/West	lina	County				
OL OI IOI IIO.	Section	TOWIE	sinp	Range	1.01 10	III FEELING	mule North	South line	reet nom me	East West	County			
Additional Well Information														
	Type Code P			12 Well Type Co G	de	¹³ Cable I	31							
	ultiple			¹⁷ Proposed Dep 10680'	oth		mation rrow	,	19 Contractor		²⁰ Spud Date 9/3/04			
Depth to Grou		L		······	Distance from nearest fresh water well			Distance from nearest surface water						
Pit: Liner:	Synthetic		m	ils thick Clay	☐ Pit Vo	olume:bbl	s I	Drilling Meth	od:	*				
Close	d-Loop Sys	tem []				Fresh Water Brine Diesel/Oil-based Gas/Air							
				21	Propos	ed Casing a	nd Cement	Progran	n					
Hole S	ize		Casi	ng Size	Casing weight/foot		Setting Depth		Sacks of Cer	ment	Estimated TOC			
17 1/2	2		13	3/8"	54.5#		433'		550 sx		0			
12 1/4"		9	9 5/8"		36#		0'	800 s		0				
8 3/4	8 3/4" 5 1/2"		17#		1068	80' 1900		x	2	350'				
 														
22 Describe th	ie proposec	l progra	m. If	this application	is to DEEF	EN or PLUG BA	ACK, give the da	ata on the pr	esent productive zo	one and pro	posed new pr	oductive zone.		
Describe the	blowout pr	eventio	n prog	gram, if any. Us	e additional	sheets if necess	ary.							
Marbob Energy Corporation proposes to perforate, acidize, test & possibly frac the following Bone Spring Sand zones:														
Set CIBP + 35' cmt @ 9700' & @ 8230'.														
2 nd Bone Sprin	ng Sand	610	62' –	6455' (15 shots)	200	0 gal NE Fe 7 ½	% HCl							
Set CIBP @ 6125'. 15 Dans Spring Spart 5420', 5440', (24 abots) 1000 and NE Sp. 2 1/9', U.C.														
1 st Bone Spring Sand 5429' – 5440' (24 shots) 1000 gal NE Fe 7 ½% HC1														
(See attached procedure & wellbore schematic)														
²³ I hereby certify that the information given above is true and complete to the														
best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or						OIL CONSERVATION DIVISION								
an (attached) alternative OCD-approved plan .						Approved by:		DDSIANIC	A TO TO A TO	Trice				
Signature.							BRYAN G. ARRANT DISTRICT II GEOLOGIST							
Printed name: Diana J. Briggs							Title:		DISTRICE I	a veu	LUUI3 I			
Title: Production Analyst						Approval Rate: D 1 4 2009 Expiration Date: FEB14				14				
E-mail Address: production@marbob.com								. O 1 4 1	:009			2010		
Date: 1/21/08 Phone: (575) 748-3303						3303	Conditions of	Approval At	tached					

Bobber State 1 E-30-20s-27e Eddy Co., NM

Recompletion Procedure 1 2 Jan 07

Basic Data:

13-3/8" @ 433' Circ. Cmt.
9-5/8" @ 2470' Circ. Cmt.
5-1/2" @ 10680', DV @ 8253', TOC 2350' TS
5.5"/17ppf/M95-110/LTC Burst=10640 psi, 8512 psi at 80% Nom. ID=4.892" Drift ID=4.767"
2.375"/4.7ppf/L80/EUE Burst=11200 psi, 8960 psi at 80% Nom ID=1.995" Drift ID=1.901"
Collapse=11780 psi, 9424 at 80%
Tensile=104,300 lb with no safety factor

Objective: Recomplete well in the Bone Spring.

Procedure:

- 1. When ready to move up hole, POOH laying down tubing to leave 6500' in derrick. Note: If either BS zone is to be put on pump, will lay down rest of 2-3/8" tubing and pick up 2-7/8"/6.5ppf/J55/EUE when PWOP.
- 2. RU lubricator, run gauge ring if necessary and set CIBP + 35' cement at 9700' and at 8230'. Run GR/CCL from 6600' to 5200'.
- 3. RU lubricator and perf 2nd Bone Spring Sand with 1 spf at any phasing as shown below using a 4" casing gun.

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2<sup>nd</sup> BS Sand: 6162', 6164', 6166', 6168', 6170', 6172', 6174', 6176', 6178', 6180', 6447', 6449', 6451', 6453', 6455' (15)
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- 4. RIH with packer, set packer, open bypass, pump acid close to packer, close bypass (another option is to use pump out plug and run tubing empty) then acidize with 2000 gals. NE Fe 7.5% HCl at 3-5 bpm while limiting surface pressure to 5500 psi and holding 1000 psi on annulus. Decision might be made to spot 300 gals acid at 6450', pull up to 6100', reverse 5 bbls down annulus, set packer and acidize with remaining 1700 gals acid (with tubing volume ahead)—let's discuss. Drop 45 ballsealers through job. Swab test until notified to do otherwise.
- 5. If decision made to frac, install frac valve with BOP on top, unseat packer/on-off tool, POOH with packer and tubing and frac down casing at 45-50 bpm using low gel XL carrying 200,000 lbs 1630 white sand (last 75,000 lbs expedite coated, 4 ppg max).
- 6. Will PWOP and test this zone if fraced.

^{7.} When ready to move up hole, RU lubricator, run gauge ring if necessary and set CIBP at 6125'. RU lubricator and perf 1st Bone Spring Sand with 2 spf at 180° phasing as shown below using a 4" casing gun.

1st BS Sand: 5429-40' (24)

- 8. RIH with packer, set packer, open bypass, pump acid close to packer, close bypass (another option, assuming 2nd BS Sand was permanently abandoned, is to use pump out plug and run tubing empty) then acidize with 1000 gals. NE Fe 7.5% HCl at 3-5 bpm while limiting surface pressure to 5500 psi and holding 1000 psi on annulus. Drop 50 ballsealers through job. Swab test until notified to do otherwise.
- 9. If decision made to frac, install frac valve with BOP on top, unseat packer/on-off tool, POOH with packer and tubing and frac down casing at 20-25 bpm using low gel XL carrying 75,000 lbs 1630 white sand (last 25,000 lbs expedite coated, 4 ppg max).

10. Will PWOP and test this zone if fraced.
Additional Procedures Will Be Issued If/As Necessary
Kho/hobber 1 hs

Well: Bobber State Zen: 18/16L KB: 31=8' GL: 3240' Location. 1980 FNL, 660 FWL E-30-209-27e Casing Program: 95/8" M75-110 LTC 1 13720433 550 "C" (c. 12594) 4.7 1.80 1-1 12/4" 95/8'e 3470' LETOCZ350 € TS 550 InterFIC +250"C" (CIVC 155 5x) 21d B5 Sd. 图 6162-6455 (15) CIBP+35'cat 8230 DV 8253' APTER C13P 135'est 9700' 20 9732-60 (28) Atoka Frosplig 1830 Q (9863-10101' (15) CIEP+cm+10230' 3 10249 (35) Mord CIEP 19475 O 10512-19315' (12) LAMIN 12: 600 Emperi Jan 11 FC 19637 15/2/01/1685 200 1100 HICKSO 1. 11 10650 - Sketch Not To Scale - KBCOllins/

Well: Bobber State 1 Zen: 18'AGL KB: 3258' Location: 1980' FNL, 660' FWL E- 30- 205-27e Eddy NM Casing Program: J55 75/8" J55 STC 51/2" M95-110 10680' 1376'0433' 550 "C" (CIVC125 5X) 4.7 L80 EUE 195/8"@ 2470' 550 InterFILC +250°C" (circ 155 5x) DV 8253' BEFORE AD 9732-60' (28) Atoka Framplig 1830 Q (9863-10101' (15) CIBP+cont-10230' 8 102491 (35) Mrrw C16P 10495 0 10512-10515' (12) L. MVYN 191: 600 Symph (Care 131)+) 212: 1100 HLC+200 Symph - 10637 5/2"C10680" 10680 - Sketch Not To Scale -KBCOllins/

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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

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

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

05	☐ AMENDED REPORT
WELL LOCATION AND ACREAGE DEDICATION PLAT	

1 A 3		92	2 Pool Code 13/6 McMillan Escar Spring Bone Spring								
⁴ Property (Code	⁵ Property Name								⁶ Well Number	
34158				1							
⁷ OGRID No.			⁸ Operator Name							⁹ Elevation	
14049	Marbob Energy Corporation							3241' GL			
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line Cor		County	
E	30	208	27E		1980	North	660	West		Eddy	
¹¹ Bottom Hole Location If Different From Surface											
UL or lot no.	L or lot no. Section Township		Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line		County	
12 Dedicated Acres	13 Joint or	Infill 14 C	Consolidation	Code 15 O	rder No.						
* /6	5 ф			Ì							

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 herem is true and complete
		to the best of my knowledge and belief, and that this organization either
		owns a working interest or unleased mineral interest in the land including
		the proposed bottom hole location or has a right to drill this well at this
		location pursuant to a contract with an owner of such a mineral or working
1980'	•	interest, or to a voluntary pooling agreement or a compulsory pooling
		order heretofore entered by the division.
		1/21/08
		Signature Date
		Signature Date
		Diana J Briggs Production Analyst
		Printed Name
		1
		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
		Signature and Seal of Professional Surveyor
		·
		ţ
		,
		Certificate Number