District II 1301 W. Grand Ave., Arrasia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

State of New Mexico

Form C-101 Pennit 118097

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

MARBO	or Name and Address B ENERGY CORP	2. OGRID Number 14049	
PO BOX 227 ARTESIA , NM 882110227		3. API Number 30-015-38071	
4. Property Code 5. Property Name 38282 SRO UNIT STATE COS		- 5, Well No. 016H	

7. Surface Location

							,			•
UL - Lot	Section	Township	Range	Lot Ion	Feet From	N.S Line	Feet From	E.W.Line	County	l
M	20	268	28E	M	660	S	330	W	EDDY	

8. Peol Information

HAY HOLLOW:BONE SPRING		30215

Additional Well Information

9. Work Type New Well	10. We		11. Cable Rotary	12. Lesse Type State	13. Ground Level Elevation 3019
14. Multiple		osed Depth 500	16. Fermation Bone Spring		18. Spus Date 9/7/2010
Depth to Ground	rie:		Distance form nearest t	fesh water well	Distance to nearest surface water
Pit: Line: Syndretic Closed Loop System	a C	mils thick	Clay Pit Volume:	bbis Drilling Method: Fresh Weter 🔀 Brins	Diesel Oil-based Gas Air

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	300	300	0
Int !	12.25	9.625	36	2250	600	0
Pred	7.875	5.5	17	11500	950	2000

Casing/Cement Program: Additional Comments

Plan to drift 17 1/2" hole to 300' with fresh water, run 48# H-40 casing and cement to surface. Drill 12 1/4" hole to 2250' with brine, run 35# J-55 9 5/8" casing and cement to surface. Drill 7 7/8" hole with cut brine to 6000" then pick up directional tools and drill to new BHL at a TVD of 6550 and measured depth of 11500, run 5 1/2" 17# N-80 casing and cement to 2000.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	Cameron

of my knowledge and belief.	ttion given above is true and complete to the best ling pit will be constructed according to	OIL CONSERVATION DIVISION			
NMOCD guidelines [a general permit [, or an (attached) alternative OCD-approved plan []		Approved By: Randy Dade			
Printed Name: Electronic	ally filed by Diana Briggs	Title: District Supervisor			
Title: Production Manage	¥	Approved Date: 8/19/2010	Expiration Date: 8'19.2012		
Emzil Address: production@marbob.com					
Date: 7/30/2010 Phone: 575-748-3303		Conditions of Approval Attached			

Hearing Date: May 4, 2016

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(505) 393-6161 Fax:(505) 393-0720

District II

District IV

1301 W. Grand Ave., Artesia, NM 88210 Phone:(505) 748-1283 Fax:(505) 748-9720

<u>Discrict III</u> 1000 Rio Brazos Rd., Arrec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico

Form C-102 Permit 118097

Energy, Minerals and Natural Resources

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code		3. Pool Name
30-015-38071			LOW,BONE SPRING
4. Property Code	5. Property	Name	6. Well No.
38282	SRO UNIT ST.	ATE COM	016H
7. OGRID No.	8. Operator	Name	9. Elevation
14049	MARBOB ENE	RGY CORP	3019

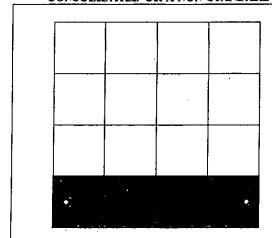
10. Surface Location

TO COLLEGE DATE										
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E.W.Line	County	l
M	20	268	28E		660	S	330	w	EDDY	l

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot lon	Feet From	N/S Litte	Feet From	E.W. Line	County
P	20	268	2 8 E	P	660	\$	330	E	EDDY
	cated Acres 0.00	13. 3	foint or Infilt	1	i. Consolidation	Code		15. 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

I hereby certify that the information contained herein 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Diana Briggs Title: Production Manager Date: 7/30/2010

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.

Surveyed By: Ronald Eidson Date of Survey: 11/18/2009 Certificate Number: 3239 District 1
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 193-0720
District II
1301 W. Grand Ave., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720

State of New Mexico
Energy, Minerals and Natural
Resources

Form C-145 Permit 121233

Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

Change of Operator

Previous Operator Information		New Operator	Information
		Effective Date:	Effective on the date of approval by the OCD
OGRID:	14049	OGRID:	229137
Name	MARBOB ENERGY CORP	Name:	COG OPERATING LLC
Address:	PO BOX 227	Address:	550 W TEXAS
		_	SUITE 1300
City, State, Zip	: ARTESIA , NM 882110227	City, State, Zip:	MIDLAND, TX 79701
	signing helow, COG OPERATING of applicable niles.		······································
Printed Name: Ray	Raye Miller	Signature: Printed Name:	Gregory K. Daggett
Title: Att	orney-in-Fact	Title:	Attorney-in Fact
Date: 10/	7/10 Phone: 575-7483.	303 Date:	10/7/10 Phone: 432-686-3083

NMOCD Approval

Electronic Signature: Randy Dade, District 2

Date: October 22, 2010

Submit'3 Copies To Appropriate District				Form C-103
District I	Energy, Minerals and	Natural Resources	WELLAPINO	June 19, 2008
District II	OH CONCEDUAT	TON DIVISION		i
J301 W. Grand Ave., Artesia, NM 88210				
1000 Rio Brazos Rd., Aztec, NM 87410				
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	Sama Fe, N	WI 67303	6. State Oil & G	as Lease No.
SUNDRY NOT			7. Lease Name of	r Unit Agreement Name
1. Type of Well: Oil Well 🗵	Gas Well Other			
•	Operating, LLC			per
3. Address of Operator			10. Pool name or	
	ain Artesia, NWI 66210		nay nonow; bon	e spring
	660 feet from the	South line and	330 feet from th	e West line
Section 20				County Eddy
,	11. Elevation (Show whether	r DR, RKB, RT, GR, et		
<u> </u>	GR; 3	122		<u> </u>
12. Check A	Appropriate Box to Indica	te Nature of Notice	e, Report or Other	Data
NOTICE OF IN	ITENTION TO:	SU	BSEQUENT RE	PORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON		_	ALTERING CASING 🗌
TEMPORARILY ABANDON	_	i		P AND A
	MULTIPLE COMPL	CASING/CEME	NT JOB □	
DOWN TOLE COMMUNICE				,
OTHER: BHL Change ⊠		OTHER:		
13. Describe proposed or comp				
of starting any proposed we or recompletion.	rk). SEE RULE 1103. For M	ultiple Completions: A	Attach wellbore diagra	am of proposed completion
COG Operating, LLC respectfully re	quests approval for the follow	ing change in BHL.		
rom 660' FSL & 330' FEL				- IED
	· <i>D</i>		REC	CEIVED
•	•		i i	C 0 9 2010
			NMO	DD ARTESIA
	•		14111	·
				·
				
pud Date:	Rig Releas	se Date:		
				_ _
hereby certify that the information a	bove is true and complete to t	he best of my knowled	ge and belief	
			9	
GNATURE Kanda Rol	TITLE_Administr	ative Assistant	DATE12/8/201	0
	E-mail address: krobinson	n@conchoresources.co	m PHONE: 575-	748-6940
		0 1		m - 01.717.21
	TITLE (40010019	DA	LE 13/12/301/
маноно от ггургочат (п <u>а</u> пу). Т				Cort
	Office District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Ave., Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 SUNDRY NOTI (DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE 'APPLIA PROPOSALS.) 1. Type of Well: Oil Well 2. Name of Operator COG 3. Address of Operator 2208 W. Ma 4. Well Location Unit Letter M : 6 Section 20 12. Check A NOTICE OF IN PERFORM REMEDIAL WORK D TEMPORARILY ABANDON DULL OR ALTER CASING DOWNHOLE COMMINGLE OTHER: BHL Change 13. Describe proposed or completion. COG Operating, LLC respectfully reform 660' FSL & 330' FEL To 330' FNL & 380 FWL DIFFERENT RESERVOIR. COG Operating, LLC respectfully reform 660' FSL & 330' FEL To 330' FNL & 380 FWL DIFFERENT RESERVOIR. COG OPERATOR COGNINGLE DOWNHOLE COMMINGLE DOWNHOLE COMMI	Office District 1 1625 N. French Dr., Hobbs, NM 88240 District II 1626 N. French Dr., Hobbs, NM 88240 District III 1626 N. French Dr., Hobbs, NM 88240 District III 1627 N. Grand Ave., Artesia, NM 88240 District III 1628 N. French Dr., Hobbs, NM 88240 District III 1628 N. French Dr., Hobbs, NM 88240 District III 1629 S. St. Francis Dr., Santa Fe, NM 87505 SUNDRY NOTICES AND REPORTS ON W (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN. DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM CIPROPOSALS) 1. Type of Well: Oil Well Gas Well Other 2. Name of Operator 2006 Operating, LLC 3. Address of Operator 2008 W. Main Artesia, NM 88210 4. Well Location Unit Letter M	Difficient 1 163 N. French Dr., Hobbs, NM 88240 District II 1000 Ro Bravos Rd., Azice, NM 87410 District IV 1220 S. S. Francis Dr., Santa Fc, NM 87505 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PROMITE" (FORM C-101) FOR SUCH PROPOSALS. 1. Type of Well: Oil Well: Section 20 Gas Well: Other COG Operating, LLC 3. Address of Operator 2208 W. Main Artesia, NM 88210 4. Well Location Unit Letter M: 660 feet from the South line and Section 20 Township 26S Range 28E 11. Elevation (Show whether DR, RKB, RT, GR, et GR, 3122 12. Check Appropriate Box to Indicate Nature of Notice NOTICE OF INTENTION TO: PLUG AND ABANDON COMPLETE BHL Change 13. Describe proposed or completed operations. (Clearly state all pertinent details, a of starting any proposed work). SEE RULE 1103. For Multiple Completions: A of starting any proposed work). SEE RULE 1103. For Multiple Completions: A of starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A of Starting any proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed work). SEE RULE 1103. For Multiple Completions: A starting and proposed w	Office District 1625 N French Dr., Hobbs, SN 88240 1625 N French Dr., Hobbs, SN 88240 1625 N French Dr., Hobbs, SN 88240 1625 N French Dr., Anesia, NM 88210 1625 N French Dr., Anesia, NM 88210 1626 N French Dr., Sama Fc, NM 87310 1620 R So Bracos Rd., Aslee, NM 87310 1620 R So Bracos Rd., Aslee, NM 87310 1620 N So Tancis Dr., Sama Fc, NM 87305 SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS.) 17 Type of Well: Oil Well

State of New Mexico

DISTRICT 1 1625 N. FRENCH DR., ROBBS, NM 6824D

Energy, Minerale and Natural Resources Department

DISTRICT II 1301 T. GRAND AVENUE, ARTERIA. NW 88210

<u>330</u>,

S.L

Y=371342.8 N

Y=371328.3 N

X=568185.7 E

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR.

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 4 Copies

Certangaie No. CARY EDSON

12841 3239

Per Lease - 3 Copies DISTRICT III Santa Fe. New Mexico 87505 1000 Rio Brazos Rd., Aztec. NM 67410 DISTRICT IV WELL LOCATION AND ACREAGE DEDICATION PLAT ☐ AMENDED REPORT 1220 S. ST. FRANCIS DR., BANTA FE. NM 67805 API Number Pool Code 215 Xira Property Name well Number -Property Code SRO UNIT 16H OGRID No. Operator Name Elevation COG OPERATING. LLC 3019 Surface Location Bast/West line 'UL or lot No. Section Township Range Lot Idn Feet from the North/South line Feet from the County SOUTH WEST **EDDY** M 26-S 660 330 20 28-E Bottom Hole Location If Different From Surface UL or lot No. Township feet from the North/South line Feet from the East/West line County Section Range PD **EDDY** 26-S 28-F 330 NORTH 380 WEST 20 Dedicated Acres Joint or Infill 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 i hereby certify that the information horsin 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 mineral or working interest, or to a voluntary pooling agreement or a compaisory pooling order heretofore entered by the distance. Y=376550.2 N 380' X=568179.6 E B.H Y=376539.0 N X=566858.5 E 1/25/11 GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=371999.1 N Y≈373940.9 N X=566861.4 € X=567193.5 E SURVEYOR CERTIFICATION LAT. = 32.022554° N LONG. = 104.116524' W .-00.36 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 balief. BOTTOM HOLE LOCATION Y=376212.3 N X=567238.7 E GRID NOVEMBER 18, 2009 Date Surveyed Mey: 1/22/11 DSS
Signature A Scall of High

District I			S	tate o	of Ne	w M	exico					Ferm C-103		
1625 N. French Dr., H Phone:(505) 393-6161			Energy, Minerals and Natural Resources					rces	Permit 128372					
District II			Oil Conservation Division						WELL AFI NUMBER					
1301 W. Grand Ave., . Phone:(505) 748-1283			1220 S. St Francis Dr.						30-015-38071			71		
<u>District III</u> 1000 Rio Brazos Rd., Phona:(505) 534-6178			Santa Fe, NM 87505						5. Indi	ске Тура	of Lesse S			
District IV 1220 S. St Francis Dr., Phone:(505) 476-3470									6. Ster	e Oil & C	hs Lesse	No.		
SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name														
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO										SRO S	TATE	UNIT		
A DIFFRENT RESERVIOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)									S. Well Number					
1. Type of Well: O										016H				
2. Name of Operator	2. Name of Operator										9. OGRID Number			
		COG OPER	ATING LI	.c					229137					
3. Address of Operator	•									10. Pool name or Wildcat				
	550 W TEXAS , SUITE 1300 , MIDLAND , TX 79701									-				
4. Well Location. Unit Letter M: 660 feet from the S line and 330 feet from the W line														
Section 20														
		.,	Elevation (/C1	700		CD							
		11	. Elevation (•	21.2 DR. 19 GR	KB, B1	, GR, ac.)							
Pit or Below-roade Ter	Pit or Below-erade Tark Application or Closure													
Pit Type Depth to Groundwater Distance from nearest Seah water well Distance from nearest surface water														
Pit Liner Thickness: mil Below-Grade Tank: Volume bbls; Construction Material														
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data														
	NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:									. –				
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTER CASING TEMPORARILY ABANDON CHANGE OF PLANS COMMENCE DRILLING OPNS PLUG AND ABANDON								-						
PULL OR ALTER CASING MULTIPLE COMPL CASING CEMENT JOB														
Other: Other: Drilling/Cement							友							
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work.) SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. 3/4/11 TD 17 1/2" hole to 305". Set 13 3/8" 48= H-40 csg @ 305". Cmt w:350 sx Prem+. Circ 108 sx to surface. WOC 18 hrs. Test to 500=.3/4/2011 Spudded well.														
Casing and Cement Pro	हा <u>स्था</u>													
Date String		ole Csg ize Size	Weight lb/ft	Grade	Est TOC	Dpth Set	Sacks	Yield C	iass	1* Dpth	Pres Held	Pres Open		
03/04/11 Surf		7.5 13.375	48	H40	0	305	350			Opui	500	Orop Hole		
Thereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tenk has been will be constructed or closed according to NMOCD guidelines. a general permit or an (attached) alternative OCD-approved plan. SIGNATURE Electronically Signed TITLE Production Reporting Mgr. DATE 3/8-2011														
Type or print name Diane Kuykendall E-mail address dkuykendall@concheresources.com Telephone No. 7443														
For State Use Only: APPROVED BY: Randy Dade		ie .	TITLE District Supervisor						DATE 3/8/2011 10:48:28 AM					

District 1625 N French Dr , Hobbs, NM 88240 Phone (575) 393-6161 Fas (575) 393-0720 statet II S First St., Artesia, NM 88210

ne (575) 748-1283 Fax (575) 748-9720 District III 1000 Rio Brazos Road, Azrec, NM 87410 Phone (505) 334-6178 Fax (505) 334-6170

1220 S St Francis Dr , Santa Fe, NM 87505 Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources D

OIL CONSERVATION DIV

Form C-102 Revised August 1, 2011 Submit one copy to appropriate

District Office

JUL 12 2012 ☐ AMENDED REPORT **NMOCD ARTESIA**

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

API Number			Ţ	² Pool Code	-	³ Pool Name						
30	30-015-38071 30215 Hay Ho						Hay Hollow; B	llow; Bone Spring				
Property Code					Property	Name	•	Well Number				
308169 SRC					SRO Stat	O State Unit						
OGRID No.					Operator	Operator Name						
22913	7				COG Opera	ting LLC	ng LLC 3019' GR					
	.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			10 Surface	Location						
UL or lot no.	Section	Township			East/West line Coun							
M	20	26S	28E		660	South	330	West	Eddy			
			TI Bo	ottom Ho	le Location I	f Different From	n Surface					
JL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	Enst/West line	County			
D	20	26S	28E		331	North	369	West	Eddy			
Pedicated Acres	13 Joint or	r Infill H C	onsolidation	Code 15 Or	der No.	<u></u>						

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the

				17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete
3697 40170				to the hest of my knowledge and helief, and that this organization either
The state of the s				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
A CONTRACTOR OF THE PARTY OF TH	,			interest, or to a voluntary pooling agreement or a compulsory pooling order
Committee of the Commit				heretafore entered by the dispson
The Military				Jan Daries 6/28/12
				Signature Date
				Stormi Davis
				Printed Name
				sdavis@concho.com
				E-mail Address
Marie			-	
				18SURVEYOR CERTIFICATION
				I hereby certify that the well location shown on this plat
			[was plotted from field notes of actual surveys made by
			ĺ	me or under my supervision, and that the same is true
The second second		,		, , ,
				and correct to the best of my belief
THE CALL OF THE PARTY OF THE PARTY.				
Contain a Table Contains and grown				Date of Survey
Control of the State of the Sta				Signature and Seal of Professional Surveyor
	;			ļ
1720 HICH MEDICAL				REFER TO ORIGINAL PLAT
			,	REFER TO ORIGINAL FEAT
NO. 100 P. 100 P				Certificate Number
	<u> </u>			