12/03/244	SUSPENSE
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THE CHECKLET IS MAND

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PRE-NV-	12-103/201

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TYPE CON APP NO.

PMAM143376024

ABOVE THIS LINE FOR DIVISION USE ONLY

4

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



ADMINISTRATIVE APPLICATION CHECKLIST

		WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
Applic		ndard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
	[PC-Po 	whole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] of Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] ified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF AP	PLICATION - Check Those Which Apply for [A] -Sub 1525 Location - Spacing Unit - Simultaneous Dedication -COCOPERAting LLC NSL NSP SD Z29137 -Sub 1525
	Check [B]	One Only for [B] or [C]
	[C]	Injection - Disposal - Pressure Increase - Enhanced Oil Recovery 30-025-Pending WFX PMX SWD IPI EOR PPR Pool
	[D]	Other: SpecifySwo', Devonian
[2]	NOTIFICATI [A]	ON REQUIRED TO: - Check Those Which Apply, or Does Not ApplyØ6/01Working, 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
[2]	SUDMIT ACC	TUDATE AND COMDIETE INFORMATION DEGILIDED TO DOCESS THE TVDE

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

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

BRIAN COLLINS Print or Type Name

Signature

I'm Min

Operations Engineering Advisor Title

1000 2014 Date

bcollins@concho.com e-mail Address



November 26, 2014

21-21-21-21-19 27:10-3 F-21-19

New Mexico Oil Conservation Division Attn: Phillip Goetze 1220 South St. Francis Drive Santa Fe, NM 87505

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

Dear Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject for the referenced well. Attached, for your review, is a copy of the C-108 application. Once we receive the newspaper publication and all certified return receipts, I will send you a copy.

Our geologic prognosis has the top of the Devonian at 14634', Fusselman at 14976', and Simpson at 16010'. I'm permitting the injection interval a couple of hundred feet shallower and deeper than the prognosis just in case the formation tops are different than expected due to the lack of deep well control in this area. We will likely call TD about 1250' to 1500' below the actual top of the Devonian when we drill the well.

Please do not hesitate to contact me at (575) 748-6940 should you have any questions.

Sincerely,

Collon

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

> CORPORATE ADDRESS One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 PHONE 432.683.7443 | FAX 432.683.7441

LOCAL ADDRESS Concho West | 2208 West Main Street | Artesia, New Mexico 88210 PHONE 575 748 6940 L FAX 575 748 6968 Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

APPLICATION FOR AUTHORIZATION TO INJECT

	ATTELEATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage Application qualifies for administrative approval? X Yes No
II.	OPERATOR: COG Operating, LLC.
	ADDRESS: 2208 West Main St, Artesia, NM 88210
	CONTACT PARTY: BRIAN COLLINS PHONE: 575-748-6940
III.	WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project:
V.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
	 If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
*VIII.	Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
*XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: BRIAN COLLINS TITLE: Operations Engineering Advisor
	SIGNATURE: DATE: 1 Dec 2014
*	E-MAIL ADDRESS: <u>bcollins@concho.com</u> If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Please show the date and circumstances of the earlier submittal:

C-108 Application for Authorization to Inject WILD COBRA 1 STATE SWD #2 660' FNL, 1650' FWL Unit C, Section 1, T19S, R34E Lea County, NM

COG Operating, LLC, proposes to drill the captioned well to 16,100' for salt water disposal service into the Devonian/Silurian/Upper Ordovician from approximately 14,400' to 16,100'. A drilling permit will be submitted upon approval of this C-108.

- V. Map is attached.
- VI. No wells within the $\frac{1}{2}$ mile radius area of review penetrate the proposed injection zone.
- VII. 1. Proposed average daily injection rate = 17,300 BWPD Proposed maximum daily injection rate = 25,000 BWPD
 - 2. Closed system
 - 3. Proposed maximum injection pressure = 2880 psi (0.2 psi/ft. x 14,400' ft.)
 - 4. Source of injected water will be Delaware Sand, Bone Spring Sand and Wolfcamp produced water. No compatibility problems are expected. Analyses of Delaware, Bone Spring and Wolfcamp waters from analogous source wells are attached.
- VIII. The injection zone is the Devonian/Silurian/Upper Ordovician, a mixture of non-hydrocarbon bearing limestone and dolomite from 14400' to 16100'. Any underground water sources will be shallower than 1912', the estimated top of the Rustler Anhydrite.
- IX. The Devonian/Silurian/Upper Ordovician injection interval will be acidized with approximately '40,000 gals of 20 % HCl acid.
- X. Well logs will be filed with the Division. There are no nearby Devonian penetrations so no analog well logs are available.
- XI. Able to locate two water wells within the 1 mile area of review. Water analyses are attached for wells located SE/4 SW/4 SE/4 Sec. 1-19S-R34E and NW/4 SW/4 Sec 6-19S-R35E.
- XII. After examining the available geologic and engineering data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Proof of Notice is attached.

III.

WELL DATA

Side 1 INJEC	INJECTION WELL DATA SHEET	
OPERATOR: COG Operating, LLC		
-+	State SWD No. 2	
MELL LOCATION: 660'FWL, 1650'FWL	7	195 34e
	UNIT LETTER SECTION	TOWNSHIP RANGE
WELLBORE SCHEMATIC	<u>WELL CONSTH</u> Surface Casing	<u>WELL CONSTRUCTION DATA</u> Surface Casing
	Hole Size: $\frac{26''}{17'/2}$ "	20'e ナ 1900' Casing Size: 1338.*± 3550'
See Allached Wullborn Schematic	Cemented with:	or $\pm 5000 CF$ ft^3 Method Determined: $De5101$
	Intermediate Casing	te Casing
	Hole Size: 21/4"	Casing Size: 77/8" هـ 1 10900
	Cemented with:	or ± 4300 ft ³
	Top of Cement: Surface	Method Determined:
	Production Casing	n Casing
	Hole Size: 81/2"	Casing Size: 7" Iner ± 10700'-± 14400'
	Cemented with: sx.	or 7650 ft ³
	Top of Cement: TJp of Liner	Method Determined: $Disign$
	Total Depth: ± 16,100	
	Injection Interval	
	±14400' fee	feet to $\pm 16100^{1}$
	(Perforated or Open Hole) indicate which)	Hole indicate which)

INJECTION W	Tubing Size: 41/2" Lining Material: Dupline 20/015 61-2600	Type of Packer: Wickel plated IOK double grip retrievable or permanent pack	Packer Setting Depth: ± /4350'	Other Type of Tubing/Casing Seal (if applicable): $\sqrt{1/A}$	Additional Data	1. Is this a new well drilled for injection? X_{Nes} Yes No	If no, for what purpose was the well originally drilled?	2. Name of the Injection Formation: Devenian/Silvrian/Upper Ordevician	3. Name of Field or Pool (if applicable):	4. Has the well ever been perforated in any other zone(s)? List all such perforated $\mathcal{N}_{\mathcal{P}}$. intervals and give plugging detail, i.e. sacks of cement or plug(s) used.		5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:	Underlying : None	OVIN 141 AND : SEVEN Rivers # 3950-4100, QUEEN #4550-5100	68/5. Andres + 5500-5850', Bone Spring + 9550-10900'	M + 18075, 13680	
Tubing Size: 442° Inite Material: $Duelling 20 / CLS Glaubbers Type of Tubing Casing Depth: \pm 14350' Packer Setting Depth: \pm 14350' Other Type of Tubing/Casing Scal (if applicable): M/A Other Type of Tubing/Casing Scal (if applicable): M/A Is this a new well drilled for injection? M/A If no. for what purpose was the well originally drilled? If no. for what purpose was the well originally drilled? 3. Name of the Injection Formation: De_{UD}onision / Upper DrdPovician 4. Has the well ever been perforated in any other zone(s)? List all such perforated D_{0} intervals and give plugging detail, i.e. sacks of cement or plug(s) used. D_{0} intervals and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: DAen Spring + 3550 - 5150' DAer/yring + None (EB/S, Andres + 5550 - 5850', Bone Spring + 3550 - 13 900'$	$\frac{1}{2} \frac{1}{2} \frac{1}$	Packer Setting Depti: $\pm /4350'$ Other Type of Tubing/Casing Seal (if applicable): M/A Additional Data Additional Data Additional Data If no. for what purpose was the well originally drilled? No If no. for what purpose was the well originally drilled? No If no. for what purpose was the well originally drilled? $NoName of the Injection Formation: Deveration / Silurcian / Upper OrdervicianA Has the well ever been perforated in any other zone(s)? List all such perforated N_0.A Has the well ever been perforated in any other zone(s)? List all such perforated N_0.A Has the well ever been perforated in any other zones (S) used. N_0.A Has the well ever been perforated in any other zones underlying or overlying the proposed injection zone in this area: DAdevise \pm 3950 - 100' Qver / Vrige \pm 3550 - 5950' Sovise \pm 3550 - 590' Morrow \pm 13275 - 13600'$	$\frac{\text{mal Data}}{\text{mal Data}}$ $\frac{1}{\lambda}$ $\frac{1}$	Additional Data iginally drilled? <i>Jev oniary</i> / <i>Silly</i> y other zone(s)? Li sacks of cement or p sacks of cement or p gas zones underlyi t 3950 -4100' t 3950 -4100' T5- 13600'	iginally drilled? $2 e_{v} e_{v} a_{v} \sqrt{5i} h_{v}$ y other zone(s)? Li sacks of cement or p as zones underlyin f 3950 -4100' f 3950 -4100' f 5500 - 5850' f 5500 - 5850' f 5500 - 5850'	If no, for what purpose was the well originally drilled? Name of the Injection Formation: $Devonian / Sills$ Name of Field or Pool (if applicable):	Name of the Injection Formation: Devenian $\sqrt{5ilu}$ Name of Field or Pool (if applicable): $-$ Has the well ever been perforated in any other zone(s)? Li intervals and give plugging detail, i.e. sacks of cement or p intervals and depths of any oil or gas zones underlyi injection zone in this area: $-$ $\sqrt{n dev ly}$ ing : None $\sqrt{n dev ly}$ ing : Seven Rivers ± 3950 4100' Over ly ing : Seven Rivers ± 3950 4100' Over ly ing : Seven Rivers ± 3950 4100' $Morrow \pm 13275$. 13600'	Name of Field or Pool (if applicable):	Has the well ever been perforated in any other zone(s)? Lintervals and give plugging detail, i.e. sacks of cement or p Give the name and depths of any oil or gas zones underlyininjection zone in this area: Underlying : None Underlying : None Over lying : Seven Rivers ± 3950 - 4100'Over lying : Seven Rivers ± 5500 - 5850'Morrow ± 13275 - 13600'	Give the name and depths of any oil or gas zones underlyin injection zone in this area: Underlying : None Underlying : Seven Rivers ± 3950-4100' Overlying : Seven Rivers ± 3950-4100' Morrow ± 13275-13600'	Give the name and depths of any oil or gas zones underlyin injection zone in this area: Underlying : None Underlying : Seven Rivers ± 3950-4100' Over lying : Seven Rivers ± 5500-4100' Morrow ± 13275-13600'			-	Morrow ± 13275- 13600'		



V.

MAP



VI.

No Wells Penetrate Proposed Disposal Interval Within Half Mile Area of Review

VII.

Water Analysis Produced Formation Water

No Water Analyses Available for Receiving Formation

ATER SAMPLE	ATER SAMPLES REPRESENTATIVE OF WATER BEING INJECTED INTO	VATER BEING INJE	—	PROPOSED	THE PROPOSED SWD WELL							
Delaware ab Test # 011128362	Lease Sly Hawk State	Location 1	Salesman Date Out Sample Date William D Polk 9/28/2011 9/13/2011	Date Out 9/28/2011	Sample Date 9/13/2011	Date Out Sample Date Specific Gravity Ionic Strength TDS PH conductivity Ca (mg/L) Mg (mg/L)	lonic Strength 4.06	TDS pH 256802.26 6.50	рН 6.50	conductivity	Ca (mg/L) 26180.00	Ca (mg/L) Mg (mg/L) 26180.00 4101.14
one Spring ab Test # 012108003	Lease Boyles	Location 24 1H	Salesman Date Out Sample Dat William D Polk 4/16/2012 4/3/2012	Date Out 4/16/2012	Sample Date 4/3/2012	Date Out Sample Date Specific Gravity Ionic Strength TDS 4/16/2012 4/3/2012 1.13 3.41 206441.81	lonic Strength 3.41	TDS pH 206441.81 6.69	6.69 6.69	PH conductivity Ca (mg/L) Mg (mg/L) 6.69 3700.86 841.87	Ca (mg/L) Mg (mg/l 3700.86 841.87	Mg (mg/L) 841.87
Volfcamp .ab Test # 012105892	Lease Augustus 10	Location 1H	Salesman	Date Out 3/15/2012	Date Out Sample Date 3/15/2012 3/8/2012	Date Out Sample Date Specific Gravity Ionic Strength TDS 3/15/2012 3/8/2012 1.06 1.06	lonic Strength 1.46	TDS PH 89771.55 6.60		pH conductivity Ca (mg/L) Mg (mg/L) 6.60 3963.30 639.83	Ca (mg/L) 3963.30	2a (mg/L) Mg (mg/L) 3963.30 639.83

	5 (mg/L) 0.00	5 (mg/L) 0.00	5 (mg/L) 0.00	
	(/L) H28	/L) H28	/L) H26	
	CO2 (mg 360.00	CO2 (mg 400.00	CO2 (mg 60.00	
	Cl (mg/L) 161300.00	Cl (mg/L) 128800.00	CI (mg/L) 54600.00	
	04 (mg/L) 70.00	04 (mg/L) 700.00	04 (mg/L) 950.00	
	H (mg/L) S	H (mg/L) S	H (mg/L) S	
	(mg/L) : 01 :00	(mg/L) _01	(mg/L) OF	
	L) CO3	L) CO3	L) CO3	
	HCO3 (mg/ 73.00	HCO3 (mg/ 1403.00	HCO3 (mg/ 220.00	
	Resistivity	Resistivity	Resistivity	
	Mn (mg/L) 9.33	Mn (mg/L) 0.00	Mn (mg/L) 0.00	
	Sr (mg/L) 905.03	Sr (mg/L) 483.07	Sr (mg/L) 707.79	
	Ba (mg/L) 1.64	Ba (mg/L) 0.00	Ba (mg/L) 1.77	
	Fe (mg/L) 20.06	Fe (mg/L) 17.57	Fe (mg/L) 17.85	
	Zn (mg/L) 38.78	Zn (mg/L) 0.00	0.00 0.00	
- -) K (mg/L) 1133.12) K (mg/L) 1109.30	K (mg/L) 350.70	
	Na (mg/L 62970.16) Na (mg/L 69386.15) Na (mg/L 28320.32	
	⁻ H (CaCO3) 83379.63	⁻ H (CaCO3) 13271.35	TH (CaCO3 13352.51	
		TH (CaCO3) Na (mg/L) K (mg/L) Zn (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCO3 (mg/L) CO3 (mg/L) OH (mg/L) SO4 (mg/L) CI (mg/L) CO2 (mg/L) H2S (mg/L) 83379.63 62970.16 1133.12 38.78 20.06 1.64 905.03 9.33 7.3.00 0.00 73.00 0.00	TH (CaCO3) Na (mg/L) Zn (mg/L) Zn (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCO3 (mg/L) CO3 (mg/L) OH (mg/L) C1 (mg/L) C1 (mg/L) CO2 (mg/L) H2S (mg/L) 83379.63 62970.16 1133.12 38.78 20.06 1.64 905.03 9.33 9.33 73.00 0.00 0.00 161300.00 360.00 360.00 0.00 70.00 161300.00 360.00 0.00 1.61 (mg/L) 20.00 161300.00 360.00 1.61 (mg/L) 87 0.00 161300.00 360.00 0.00 13271.35 69386.15 1109.30 0.00 17.57 0.00 483.07 0.00 2483.07 0.00 0.00 0.00 0.00 0.00 17.57 0.00 483.07 0.00 0.00 0.00 0.00 0.00 0.00 0.00	The (CacCo3) Na (mg/L) K (mg/L) Fe (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCC3 (mg/L) CO3 (mg/L) OH (mg/L) SO4 (mg/L) C1 (mg/L) CO2 (mg/L) H2S (mg/L) B3379.63 E2379.63 E2970.16 1133.12 38.78 20.06 1.64 905.03 9.33 73.00 0.00 76.00 161300.00 360.00 0.00 TH (CaCC03) Na (mg/L) K (mg/L) Zn (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCO3 (mg/L) CO3 (mg/L) OH (mg/L) SO4 (mg/L) C1 (mg/L) CO2 (mg/L) H2S (mg/L) 13271.35 69386.15 1109.30 0.00 17.57 0.00 483.07 0.00 1403.00 0.00 770.00 128800.00 400.00 0.00 T1 (CaCC03) Na (mg/L) X (mg/L) Zn (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCO3 (mg/L) CO3 (mg/L) OH (mg/L) SO4 (mg/L) C1 (mg/L) C02 (mg/L) H2S (mg/L) 1403.00 0.00 1200.00 128800.00 400.00 0.00 T1 (CaCC03) Na (mg/L) X (mg/L) Zn (mg/L) Fe (mg/L) Ba (mg/L) Sr (mg/L) Mn (mg/L) Resistivity HCO3 (mg/L) CO3 (mg/L) OH (mg/L) SO4 (mg/L) C1 (mg/L) C02 (mg/L) H2S (mg/L) 1403.00 0.00 128220.32 350.70 0.00 1757 0.00 17079 0.00 17079 0.00 0.00 0.00 0.00 1705 177 70779 0.00 1200.00 5460.00 60.00 60.00 0.00 1785



No Log Available Across Proposed Devonian/Silurian/Upper Ordovician Injection Interval



Fresh Water Sample Analyses

Fresh Water Well Analyses

HALLIBURTON

PERMAIN BASIN OPERATIONS LABORATORY WATER ANALYSIS REPORT HOBBS, NEW MEXICO

COMPANY:	Cog	REPORT	W12-210
LEASE:	L-04211 FW	DATE	October 10, 2012
	L-12103 FW	DISTRICT	Hobbs

SUBMITTED BY Bret Barrett

TANK SAMPLE	NW SW 6-19s-35e	SE SW SE 2-19s-34e			
Sample Temp.	°F	°F	°F	°F	°F
SPECIFIC GR.	1.008	1.007			
рН	7.46	7.37		· · · · · · · · · · · · · · · · · · ·	
CALCIUM	150mpl	200 mpl	mpl	mpl	mpl
MAGNESIUM	210 mpl	210 mpl	mpl	mpl	mpl
CHLORIDE	7636 mpl	6,030 mpl	mpl	mpl	mpl
SULFATES	<400 mpl	<400 mpl	mpl	mpl	mpl
BICARBONATES	300 mpl	200 mpl	mpl	mpl	mpl
SOLUBLE IRON	0 mpl	0 mpl	mpl	mpl	mpl
KCL	Negative	Negative			
	mpl	mpl	mpi	mpl	mpl
	mpl	mpl	mpl	mpl	mpl
REMARKS					

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management: it may however, be used in the course of regular business operations by any person

or concern and employees thereof receiving such report from Halliburton Co.

MPL = Milligrams per litter Resitivity measured in: Ohm/m2/m

ANALYST: S. Herzog

Active & Inactive Points of Diversion New Mexico Office of the State Engineer

(with Ownership Information)

;) 883 UTM in meters)	;	×	637082 3620041* 🥁	637806 3618744* 🍆
R=POD has been replaced and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (NAD83 UTM in meters)	999 2000 - 1	Source 6416 4 Sec Iws Kng	Shallow 1 1 35 18S 34E 6	Shallow 3 3 4 35 18S 34E 6
(R=POD has been replaced and no longer serves this file, C=the file is closed)		Code Grant	> mile away	
		County POD Number	LE <u>L 09576</u> > .	LE <u>L11934 POD1</u> 160' $d_{tt}\rho$
(acre ft per annum)		ersion Owner	0 MESA PETROLEUM	3 WILBERTA TIVIS
(acre ft	Sub	basin Use Diversion Owner	L PRO	L STK
		WR File Nbr	L 09576	L 11934

Record Count: 2

	Township: 18S
PLSS Search:	Section(s): 35, 36

Range: 34E

Sorted by: File Number

*UTM location was derived from PLSS - see Help



		(quarte	ers are 1=	NW 2=	NE 3=	=SW 4=SE)				
			ters are s				(NAD83 U	fM in meters)			
P	OD Number	Q64	Q16 Q4	Sec	Tws	Rng	X	Y			
L	11934 POD1	3	3 4	35	18S	34E	637806	3618744*			
Driller License:	DESERT SAND	WATER WE	ELL								
Driller Name:	THOMPSON, ST	EVE (LD)									
Drill Start Date:	10/13/2006	Drill Finis	sh Date	:	10/2	20/2006	Plug	Date:			
Log File Date:	10/24/2006	PCW Rev	/ Date:				Sou	ce:	Shallow		
Pump Type:		Pipe Disc	charge	Size:		Estimated Yield:					
Casing Size:	5.00	Depth We	ell:		160	feet	Dept	h Water:	105 feet		
Wate	r Bearing Stratific	cations:	Тор	Botto	om	Descrip	tion				
			105	1	60	Sandsto	ne/Gravel	/Conglome	rate		
	Casing Perfo	orations:	Тор	Botto	om						
			100	1	60						
and the second se											

*UTM location was derived from PLSS - see Help

	New Mexico Office of the State Engineer Active & Inactive Points of Diversion (with Ownership Information)	
PLSS Search: Section(s): 31	Township: 183 Range: 35E	
The data is furnished by the NMOSE/ISC and is accepted by the recipreliability, usability, or suitability for any particular purpose of the data 11/14/14 7:26 AM	The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. Page 1 of 1 7:26 AM ACTIVE & INACTIVE POINTS OF DIVERSION	eteness, RSION

Active & Inactive Points of Diversion New Mexico Office of the State Engineer

				(R=POD has been replaced and no longer serves this file,	(quarters are 1=NW 2=NE 3=SW 4=SE)	W 4=SE)	
		(acre ft per annum)		C=the file is closed)	(quarters are smallest to largest) (NAD83 UTM in meters)	Inades UTI (NAD83 UTI)	A in meters)
	Sub				999		
WR File Nbr	basin Use	basin Use Diversion Owner	County POD Number	Code Grant	Source 6416 4 Sec Tws Rng		۲
L 01979	L IRR	0 GENE DALMONT	LE <u>L 01979</u> No data		1 4 01 19S 34E	E 639532	3617625* 🥁
L 04059	L PRO	0 NOBLE DRILLING CO	LE <u>L04059</u> 125' drip		Shailow 4 1 12 19S 34E	E 639146	3616412* 📞
L 04587	L SRO	0 JOHN H. TRIGG	LE <u>L04587</u> No dota		1 1 02 19S 34E	E 637107	3618390* 🐇
			LE LO4587 X No data		2 1 02 19S 34E	E 637510	3618397* 🥁
L 04723	L PRO	0 CACTUS DRILLING COMPANY	LE L04723 145' dig		Shallow 1 1 1 1 19S 34E	E 637026	3616880* 🥁
L 05763	L SRO	0 THOMAS F. WELCH & ASSOCIATES	LE <u>LO5763</u> No dertry		2 2 2 02 19S 34E	E 638414	3618509* 🎸
			LE <u>L 05763 X</u> NO data		2 2 1 02 19S 34E	E 637609	3618496* 🛶
L 06731	L PRO	0 MGF	LE <u>L06731</u> 120 ⁴ ∛ ℓβ		Shallow 3 2 2 12 19S 34E	E 639844	3616727* 🥁
L 10380	L STK	3 CHARLES B. GILLESPIE, JR.	LE <u>L 10380</u> 155' <i>& up</i>		Shallow 4 4 4 02 19S 34E	E 638428	3617102* 🥧
L 12103	L STK	3 SNYDER RANCHES	LE L 12103 POD1 120 ' 14	NON	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🥁
L 12957	L PRO	0 GLENN'S WATER WELL SRVC, INC.	LE <u>L 12103 POD1</u> \200' ରୀଜ୍ୟ	NON	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🦦
L 12958	L PRO	0 GLENN'S WATER WELL SRVC, INC.	LE L 12958 POD1 No data		Shallow 3 4 1 02 19S 34E	E 637498	3617839 🐇
L 13016	L PRO	0 TD WATER SERVICES	LE <u>L 12103 POD1</u> 120 ¹ dep	NON 🗳	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🥁
L 13017	L PRO	0 TD WATER SERVICES	LE L12958 POD1 No data	ta	Shallow 3 4 1 02 19S 34E	E 637498	3617839 🥁
L 13286	L PRO	0 CIMAREX ENERGY COMPANY	LE <u>L 12103 POD1</u> No data	NON b.	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🥁
L 13287	L PRO	0 CIMAREX ENERGY COMPANY	LE <u>L 12958 POD1</u> NO data	٢	Shallow 3 4 1 02 19S 34E	E 637498	3617839 🍆
L 13610	L PRO	0 COG OPERATING	LE L12103 POD1 No date	NON	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🦥
L 13611	·L PRO	0 COG OPERATING	LE <u>L 12103 POD1</u> No data	NON	Shallow 4 3 4 02 19S 34E	E 637919	3617167 🥁
in collection with	and howing						

*UTM location was derived from PLSS - see Help 11/14/14 7:28 AM

ACTIVE & INACTIVE POINTS OF DIVERSION

Page 1 of 2

WR File Nbr L 13612	Sub basin	(acre ft n Use Dive PRO	(acre ft per annum) Sub basin Use Diversion Owner L PRO 0 COG OPERATING	POD Number L 12103 POD1 N. date		4=SE) (NAD83 UTM 637919	in meters) Y 3617167
L 13624 L 13625		PRO PRO	0 COG OPERATING 0 COG OPERATING	LE <u>L 12958 POD1</u> No Kata LE <u>L 12958 POD1</u> No Kata	Shallow 3 4 1 02 19S 34E Shallow 3 4 1 02 19S 34E	63/498 637498	3617839 📡
L 13626 Record Count: 22	ר יי	РКО	0 COG OPERATING	LE <u>L 12958 POD1</u> No よったみ	Shallow 3 4 1 02 19S 34E	637498	3617839 👹

Rec

PLSS Search:

Range: 34E	
Township: 19S	
Section(s): 1, 2, 11, 12	

Sorted by: File Number



		(quart	ers are 1=	NW 2=	NE 3=	SW 4=SE)		
			ters are s		-		(NAD83 U	TM in meters)
P	OD Number	Q64	Q16 Q4	Sec	Tws	Rng	Х	Y	,
L	04059		4 1	12	19S	34E	639146	3616412	,
Driller License:	ABBOTT BROT	HERS COM	PANY						
Driller Name:									
Drill Start Date:	01/29/1959	Drill Finis	sh Date	:	01/2	29/1959	Plug	Date:	06/05/1959
Log File Date:	02/05/1959	PCW Rcv	/ Date:				Sou	rce:	Shallow
Pump Type:		Pipe Disc	charge 3	Size:			Estir	nated Yie	ld:
Casing Size:	7.00	Depth We	ell:		125	feet	Dept	th Water:	60 feet
Wate	er Bearing Strati	fications:	Тор	Bott	om	Descrip	tion		<u> </u>
			60		125	Sandsto	ne/Gravel	/Conglome	erate
	Casing Per	forations:	Тор	Bott	om				
			70		25				

*UTM location was derived from PLSS - see Help



		(quarte	ers are 1=	NW 2=	NE 3=	SW 4=SE)		
		(quar	ters are s	malles	to larg	gest)	(NAD83 U	TM in meter	s)
P	OD Number	Q64 (Q16 Q4	Sec	Tws	Rng	Х		Y
L	06731	3	2 2	12	19S	34E	639844	3616727	7*
Driller License:	ABBOTT BROT	HERS COM	PANY						
Driller Name:									
Drill Start Date:	11/14/1970	Drill Finis	sh Date	:	11/1	15/1970	Plug	Date:	
Log File Date:	11/16/1970	PCW Rev	Date:				Sour	rce:	Shallow
Pump Type:		Pipe Disc	harge \$	Size:			Estir	nated Yi	eld:
Casing Size:	7.00	Depth We	ell:		120	feet	Dept	th Water:	80 feet
Wate	er Bearing Stratif	ications:	Тор	Bott	om	Descrip	tion		
			80		20	Sandsto	ne/Gravel	/Conglor	nerate
	Casing Per	forations:	Тор	Bott	om				
			80		20				



		(quarte	ers are 1=	NW 2=	NE 3=	B=SW 4=SE) (NAD83 UTM in meters)					
			ters are s				•				
PO	OD Number	Q64	Q16 Q4	Sec	Tws	Rng	X	Y			
L	10380	4	4 4	02	19S	34E	638428	3617102*			
Driller License:	ABBOTT BROTH	HERS COM	PANY								
Driller Name:	ABBOTT, MURR	REL									
Drill Start Date:	03/08/1994	Drill Finis	sh Date	:	03/1	1/1994	Plug	Date:			
Log File Date:	03/16/1994	PCW Rev	Date:				Sou	ce:	Shallow		
Pump Type:		Pipe Disc	harge \$	Size:			Estimated Yield:				
Casing Size:	5.50	Depth We	ell:		153	feet	Dept	h Water:	100 feet		
Wate	r Bearing Stratifi	cations:	Тор	Botto	om I	Descrip	tion				
			100	1	53	Other/Ur	nknown				
	Casing Perfo	orations:	Тор	Botto	om						
			78	1	53						

*UTM location was derived from PLSS - see Help



		(quar	ters are) 1= ľ	VW 2=	=NE 3=	SW 4=SE	E)		
		(qua	rters ar	e sn	nalles	t to larg	gest)	(NAD83 UT	M in meters)	
PC	DD Number	Q64	Q16 (ຊ4	Sec	Tws	Rng	Х	Y	
L	12103 POD1	4	3	4	02	19S	34E	637936	3617173	
Driller License:	UNKNOWN									
Driller Name:	EXISTING WELL									
Drill Start Date:		Drill Fini	sh Da	ate:				Plug	Date:	
Log File Date:		PCW Rc	v Date	e:				Sour	ce:	Shallow
Pump Type:		Pipe Dis	charg	je S	ize:			Estin	nated Yield	:
Casing Size:	7.00	Depth W	ell:			120	feet	Dept	h Water:	



							SW 4=SI	,		
						t to larg	, ,	(NAD83 U1	「M in meters)	
!	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y	
I	_ 12103 POD1	4	3	4	02	19S	34E	637936	3617173	
Driller License	: UNKNOWN									
Driller Name:	EXISTING WELL									
Drill Start Date	:	Drill Fini	sh D)ate	:			Plug	Date:	
Log File Date:		PCW Rc	v Da	te:				Sour	ce:	Shallow
Pump Type:		Pipe Dis	char	ge S	Size:			Estir	nated Yield	l:
Casing Size:	7.00	Depth W	ell:			120	feet	Dept	h Water:	



		(quarters are 1=NW 2=NE 3=SW 4=SE)								
		(quarters are smallest to largest)						(NAD83 U1		
P	OD Number	Q64	Q16	Q4	Sec	Tws	Rng	Х	Y	
L	12103 POD1	4	3	4	02	19S	34E	637936	3617173	
Driller License:	UNKNOWN									
Driller Name:	EXISTING WELL									
Drill Start Date:		Drill Fini	sh D	ate				Plug	Date:	
Log File Date:		PCW Rc	v Da	te:				Sour	ce:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:		l:				
Casing Size:	7.00	Depth W	ell:			120	feet	Dept	h Water:	

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(R=POD has been replaced (with Ownership Information)

l in meters)	۲	640337 3617672* 🦦	3617672* 🥁	3617872* 🥁	641131 3617681* 🥁
t=SE) (NAD83 UTM	×	640337	640337	640945	641131
(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)	q q q Source 6416.4 Sec Tws Rng	Shallow 1 3 06 19S 35E	1 3 06 19S 35E	06 19S 35E	1 4 06 19S 35E
are 1=NW are smalle	qqq 64164Sec	1 3 06		90	
e, (quarters (quarters	Source 6	Shallow	Shallow	Shallow	Shallow
and no longer serves this file, (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is closed) (quarters are smallest to largest) (NAD8	Code Grant				wet.
	Number	LE <u>L 04211</u> 130 dity	되	LE <u>L 04762</u> 175' d'u _l a	LE <u>L 05220</u> > milit & wey
	County POD Number	LE L 042	LE L 04211	LE L 047	LE L 052
annum)		3 GENE DALMONT	0 WYLIE BROTHERS CONSTRUCTION CO	44.8 RITTENHOUSE OIL & GAS COMPANY	0 DELMONT RANCH JOINT VENTURE
(acre ft per annum)	sub basin Use Diversion Owner	DOM	COM	COM 4	PRO
d	sub basin	L DOM	-	_	-
	WR File Nbr	L 04211	L 04211 A	L 04762	L 05220

Record Count: 4

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Township: 19S Section(s): 6

Range: 35E

Sorted by: File Number

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data. 11/14/14 7:29 AM

Page 1 of 1

ACTIVE & INACTIVE POINTS OF DIVERSION



		(quart	ers are 1=	NW 2=	NE 3=	SW 4=SE)		
		(quarters are smallest to largest)					(NAD83 UTM in meters)		
P	OD Number	Q64	Q64 Q16 Q4			Rng	Х	٢	,
L	04211		1 3	06	19S	35E	640337	3617672	•
Driller License:	O.R. MUSSELV		ER WEL	L SE					
Driller Name:									
Drill Start Date:	07/25/1959	Drill Fini	sh Date		07/2	26/1959	Plug	Date:	
Log File Date:	08/13/1959	PCW Rev	v Date:				Soui	rce:	Shallow
Pump Type:		Pipe Discharge S					nated Yie	ld:	
Casing Size:	7.00	Depth W	Depth Well: 130 feet			feet	Dept	h Water:	60 feet
Wate	r Bearing Stratif	ications:	Тор	Bott	om	Descrip	tion		
			85	125 Sandston			ne/Gravel	/Conglome	erate
	Casing Perl	orations:	Тор	Bott	om				
			90		30				

*UTM location was derived from PLSS - see Help



		(quarters are 1	=NW 2=	=NE 3=	SW 4=SE)		
		(quarters are		• •	(NAD83 U	5)		
F	POD Number	Q64 Q16 Q4	Tws Rng		Х		1	
L	_ 04762		06	19S	35E	640945	3617872	*
Driller License	: VAN NOY, W.L.							
Driller Name:								
Drill Start Date	: 05/07/1962	Drill Finish Dat	e:	05/0	08/1962	Plug	Date:	
Log File Date:	05/11/1962	PCW Rcv Date:		07/2	23/1962	Sou	rce:	Shallow
Pump Type:	TURBIN	Pipe Discharge	4		Estimated Yield: 120			
Casing Size:	7.00	Depth Well:		175	feet	Dept	th Water:	130 feet
Wat	er Bearing Stratific	cations: Top	Bott	om	Descrip	tion		
		130		168	Shallow	Alluvium/l	Basin Fill	
	Casing Perfo	orations: Top	Bott	om				
		130		170				

August xx, 2014

Hobbs News-Sun P.O. Box 850 Hobbs, NM 88240

Re: Legal Notice Salt Water Disposal Well Wild Cobra 1 State SWD #2

To Whom It May Concern:

Enclosed is a legal notice regarding New Mexico Oil Conservation Division C-108 Application for Authorization to Inject for a salt water disposal well.

Please run this notice and return the proof of notice to the undersigned at:

COG Operating LLC, 2208 W. Main St., Artesia, NM 88210

Sincerely,

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

HOBBS NEWS-SUN LEGAL NOTICES

COG Operating LLC, 2208 W. Main Street, Artesia, New Mexico, 88210, has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Wild Cobra 1 State SWD No. 2 is located 660' FNL and 1650' FWL, Section 1, Township 19 South, Range 34 East, Lea County, New Mexico. Disposal water will be sourced from area wells producing from the Delaware, Bone Spring and Wolfcamp formations. The disposal water will be injected into the Devonian formation at a depth of 14,400' to 16,100' at a maximum surface pressure of 2880 psi and a maximum rate of 25,000 BWPD. The proposed SWD well is located approximately 25 miles west of Hobbs. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe, New Mexico, 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at COG Operating LLC, 2208 W. Main Street, Artesia, New Mexico 88210, or call 575-748-6940.

Published in the Hobbs News-Sun Hobbs, New Mexico _____, 2014.

Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated November 21, 2014 and ending with the issue dated November 21, 2014.

- Imano

Publisher

Sworn and subscribed to before me this 21st day of November 2014.

Business Manager

My commission expires January 29, 2015



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said LEGAL NOTICE November 21, 2014

COG Operating LLC, 2208 W. Main Street, Artesia, New Mexico, 88210, has filed Form C-108 (Application for Authorization to inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the Wild Cobra 1 State SWD No.2 is located 660 FNL and 1650 FWL, Section 1, Township 19 South, Range 34 East, Lea County, New Mexico, Disposal water will be sourced from area wells producing from the Delaware, Bone Spring and Wolfcamp formations. The disposal water will be injected into the Devonian formation at a depth of 14,400' to 16,100' at a maximum surface pressure of 2880 psi and a maximum rate of 25,000 BWPD. The proposed SWD well is located approximately 25 miles west of Hobbs. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 South Saint Francis Street, Santa Fe. New Mexico, 87505, within lifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at COG Operating LLC, 2208 W. Main Street, Artesia, New Mexico 88210, or call 575-748-6940. #29509

67112034

BRIAN COLLINS COG OPERATING LLC 2208 W. MAIN ST. ARTESIA, NM 88210 00147944



November 26, 2014

New Mexico Oil Conservation Division Attn: Phillip Goetze 1220 South St. Francis Drive Santa Fe, NM 87505

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

Dear Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject for the referenced well. Attached, for your review, is a copy of the C-108 application. Once we receive the newspaper publication and all certified return receipts, I will send you a copy.

Our geologic prognosis has the top of the Devonian at 14634', Fusselman at 14976', and Simpson at 16010'. I'm permitting the injection interval a couple of hundred feet shallower and deeper than the prognosis just in case the formation tops are different than expected due to the lack of deep well control in this area. We will likely call TD about 1250' to 1500' below the actual top of the Devonian when we drill the well.

Please do not hesitate to contact me at (575) 748-6940 should you have any questions.

Sincerely,

allow

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

> CORPORATE ADDRESS One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701

LOCAL ADDRESS Concho West | 2208 West Main Street | Artesia, New Mexico 88210



November 26, 2014

Oil Conservation Division Attn: Paul Kautz 1625 North French Dr. Hobbs, NM 88240

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

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Sincerely,

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

CORPORATE ADDRESS

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701

LOCAL ADDRESS Concho West | 2208 West Main Street | Artesia, New Mexico 88210


New Mexico State Land Office 310 Old Santa Fe Trail, Santa Fe, NM 87501

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

To Whom It May Concern:

Enclosed for your review is a copy of COG Operating LLC's C-108 Application to Inject for the above referenced well. We plan to drill this well for SWD service if our C-108 is approved. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

This well will not be a commercial SWD well. Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

mi Millon

Brian Collins Operations Engineering Advisor

BC/bg Enclosures



Diamondback Resources LLC 303 Veterans Airpark Lane Midland, TX 79705

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

mi Inthi

Brian Collins Operations Engineering Advisor

BC/sw Enclosures



Slash Exploration LP Armstrong Energy Corp. P.O. Box 1973 Roswell, NM 88202

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

Brian Collins Operations Engineering Advisor

BC/sw Enclosures



Black Crown Energy Partners, LP 303 Veterans Airpark Lane, Ste. 6101 Midland, TX 79705

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

mm Inthis

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

CORPORATE ADDRESS One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 LDCAL ADDRESS Concho West | 2208 West Main Street | Artesia, New Mexico 88210



Devon Energy Production Co., LP 333 W. Sheridan Ave. Oklahoma City, OK 731025010

RE: <u>Application For Authorization To Inject</u> Wild Cobra 1 State SWD #2 Township 19 South, Range 34 East, N.M.P.M. Section 1: 660' FNL & 1650' FWL Lea County, New Mexico

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

allen

Brian Collins Operations Engineering Advisor

BC/sw Enclosures

CORPORATE ADDRESS One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 LOCAL ADDRESS Concho West | 2208 West Main Street | Artesia, New Mexico 88210

 If a postmark on the Centified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Centified Mail receipt is no needed, detach and affix label with postage and mail. MPORTANT: Save this receipt and present it when making an inquiry. S Form 3800, August 2006 (Reverse) PSN 7530-02-000-9047 	 valuables, please consider insured or Registered Mail. For an additional fee, a <i>Return Receipt</i> may be requested to provide proof of delivery. To obtain Refum Receipt service, please complete and attach a Return fee. Endorse malpicee 'Return Heckelpt Receipt (PS Form 3811) to the anticle and add applicable postage to cover the a cuplcate return receipt, a USPSa postmark on your Certified Mail receipt is For an additional fee, delivery may be restricted to the addressee or addressee's subtorized agent. Advise the clerk or mark the malipices with the anticle and addresse to cover the addressee's subtorized agent. Advise the clerk or mark the malipices with the addressee's subtorized agent. 	 A mailing receipt A mailing receipt A unique identifier for your maliplece A record of delivery kept by the Postal Service for two years Important Reminders: Certified Mail may ONLY be combined with First-Class Mails or Phonfly Mails Certified Mail is not available for any class of international mail. NO INSUBANCE COVERAGE IS PROVIDED with Contract to an available for any class of international mail. 	Complete items 1, 2, and 3. Also complete term 4 if Restricted Delivery is desired. A Signature term 4 A Signature Agent Print your name and address on the reverse so that we can return the card to you. X M Agent Attach this card to the back of the maliplece, or on the front if space permits. D. is delivery address below: C. Date of Delivery to the pack of the maliplece, or on the front if space permits. D. is delivery address below: D of the pack of the maliplece, the pack of the maliplece, or on the front if space permits.	Diamondback Resources, LLC 303 Veterans Airpark Lane, Suite 1100 Midland, TX 79705 MV MV	б Б Г

MPORTANT: Save this receipt and present it when making an inquiry. 'S Form 3800, August 2008 (Reverse) PSN 7530-02-000-9047	If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.	1 For an additional fee, delivery may be restricted to the addressee or addressee's suthorized agent. Advise the clerk or mark the maliplece with the addressee's suthorized agent. Advise the clerk or mark the maliplece with the	For an additional fee, a <i>Retrum Receipt</i> may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and acd applicable postage to cover the fee. Endorse maliplece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS ₉ postmark on your Certified Mail receipt is required.	nportant Reminders: Certified Mail may ONLY be combined with First-Class Maile or Priority Maile Certified Mail is not available for any class of international mail. NO INSURANCE COVERAGE IS PROVIDED with Certified Mail, For valuables, please consider Insured or Registered Mail.	A mailing receipt A unique identifier for your malipiece A record of delivery kept by the Postal Service for two years	× LAN L' 1 DAdresses	а 0	If YES, entry Softwart and the providence beach	0EC () 2014	3. Service Type O Control Type O Control Mail Mail Control	Insured Mail Collect on Delivery A. Restricted Delivery? (Extra Fee) Tee	0 10000 8749 2048	Domestic Return Receipt	
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IMPORTANT: Save this receipt and present it when making an inquiry. PS Form 3800, August 2006 (Reverse) PSN 7530-02-000-9047	 For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the maliplace with the endorsament <i>'Restricted Delivery'</i>. If a postmark on the Centified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Centified Mail receipt is not needed, detach and affix label with postage and mail. 	 NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider insured or Registered Mail. For an additional fee, a <i>Return Receipt</i> may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the effect. Endorse malplece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS₀ postmark on your Certified Mail receipt is a solution. 	 A unique identifier for your mailpiece A record of delivery kept by the Postal Service for two years Important Reminders: Centified Mail may ONLY be combined with First-Class Maile or Priority Maile Centified Mail is not available for any class of international mail. 	A wailing receipt	B. Referenced by (Phinted Name) C. Date of Delivery C. Date of Delivery address different from Itam 1? 1 Yes H. VS. entre dollnear address different from Itam 1? 1 Yes		3. Service Type Certified Mail* Priority Mail Express* E Registered Return Receipt for Merchandise E Insured Mail Collect on Defivery 4. Restricted Delivery? (Extra Fee) 768	1 0000 8749 2031. m Receipt	
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IMPORTANT: Save this receipt and present it when making an inquiry. 25 Form 3800, August 2006 (Reverse) PSN 7530-02-000-9047	If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.	For an additional fee, delivery may be restricted to the addressee or addresses's authorized agent. Advise the clerk or mark the maliplece with the endorsement "Restricted Delivery".	a For an additional fee, a Return Receipt may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the attache and ad applicable postage to cover the a duplicate return receipt, a USPS postmark on your Certified Mail receipt is required.	 Centiled Mail may ONLY be combined with First-Class Malle or Priority Maile Centified Mail is not available for any class of international mail. NO INSURANCE COVERAGE IS PROVIDED with Centified Mail. For Valuables, please consider insured or Registered Mail. 	A record of delivery kept by the Postal Service for two years UDES SIHL ELETAINOD :WEDNES	 Complete items 1, 2, and 3. Also complete item 4. Signature for the period of the period. Print your name and address on the reverse so that we can return the card to you. B. Recalved by (Printed Name) 2, 0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,	1. Article Addressed to: If YES, enter delivery address below: 14 C	Devon Energy Production Co., LP 333 W. Sheridan Ave.	Oklahoma City, OK 731025010	Mail Expre Receipt for on Delivery	2 Arthch Minnerson Arthche Versitic Arthche Versitic Fee)	2. Autoria Number (Transfer from service label) 701.3 3020 0000 8749 2062
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Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated November 21, 2014 and ending with the issue dated November 21, 2014.

Fand front

Publisher

Sworn and subscribed to before me this 21st day of November 2014.

se Black

Business Manager

My commission expires January 29, 2015



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

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00147944

BRIAN COLLINS COG OPERATING LLC 2208 W. MAIN ST. ARTESIA, NM 88210

C-108 Review C	Checklist: Rece	ived Add. Reque	st:	_ Reply Date:	Suspended: [Ver 13]			
PERMIT TYPE: WFX	/ PMX /SWDNum	nber: 1525 Perm	it Date:	Legacy Permi	ts/Orders: None			
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Footages_1650FW								
General Location:		Pool:	SWD:	Deponion 5 Mon	toy 2001 No.: 96105			
BLM 100K Map: Operator: <u>COGOperAting</u> OGRID: <u>229(37</u> Contact: <u>BriAn</u> <u>COUR</u> <u>COMPLIANCE RULE 5.9: Total Wells: 37</u> Inactive: Fincl Assur: <u>Y</u> Compl. Order? <u>No</u> IS 5.9 OK? <u>Y</u> Date: <u>2-02->0</u> 15								
		· /			9 OK? Y Date: 2-02-2015			
WELL FILE REVIEWED (V Current Sta	atus: <u>~ 00 0</u>	pplication (APP)) on file	2	•			
WELL DIAGRAMS: NEW: Proposed Ø	or RE-ENTER: Be	efore Conv. 🔿 After Co	onv. O Lo	ogs in Imaging:	circulated.			
Planned Rehab Work to Well:			CB	4 (95/8) g	7" 5			
Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)		Cement Sx or Cf	Cement Top and Determination Method			
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Adjacent Unit: Litho. Struc. Por.		Units			NEW PBTD			
Confining Unit: Litho. Struc. Por.					for NEW Perfs ()			
Proposed Inj Interval TOP:	14400	Devouion	74684	Tubing Size 472	in. Inter Coated?			
	16100 U	loper Ord/Montos	4 Similar	Proposed Packer De				
Confining Unit: Litho. Struc. Por.		Ellenbirge 0		Min. Packer Depth _	13400 (100-ft limit)			
Adjacent Unit: Litho. Struc. Por.		Pt 0			ace Press, 2880 psi			
AOR: Hydrologic and			N.		2.880 (0.2 psi per ft)			
POTASH: R-111-P WNoticed? No	_ BLM Sec Ord 🖉	WIPP (Whoticed? N	T_SALT	SALADO T:B:	CLIFF HOUSE NA			
FRESH WATER: Aquifer	-11=1a+ Hu	Silwax Depth 1.130	- HYDRO	AFFIRM STATEMEN	T By Qualified Person			
NMOSE Basin: Lea 0	APITAN REEF: th	ru() adj() NA() N	lo. Wells w	ithin 1-Mile Radius?	Z FW Analysis			
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AOR Wells: 1/2-M Radius Map? M/A-Well List? MA_ Total No. Wells Penetrating Interval: Horizontals?								
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Penetrating Wells: No. P&A Wells	Num Repairs?	on which well(s)?			Diagrams?			
NOTICE: Newspaper Date NOU 21 Mineral Owner MMSLUSurface Owner MmSLD N. Date Dec -								
RULE 26.7(A): Identified Tracts?					N. Date			
Permit Conditions: Issues:	CBL F	of picks/100	tup	, unknown	HC potential; satindes			
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