

Submit 1 Copy To Appropriate District Office  
District I - (575) 393-6161  
1625 N. French Dr., Hobbs, NM 88240  
District II - (575) 748-1283  
811 S. First St., Artesia, NM 88210  
District III - (505) 334-6178  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV - (505) 476-3460  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
Revised July 18, 2013

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. <b>30-015-25805</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Bass</b>
8. Well Number #2
9. OGRID Number <b>229137</b>
10. Pool name or Wildcat <b>East Carlsbad Wolfcamp</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3088.6' GR</b>

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 PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
**COG Operating, LLC**

3. Address of Operator  
**2208 W Main Street Artesia, NM 88210**

4. Well Location  
Unit Letter **L** : **1980** feet from the **S** line and **660** feet from the **W** line  
Section **1** Township **22S** Range **27E** NMPM County **Eddy**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

<p><b>NOTICE OF INTENTION TO:</b></p> <p>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/></p> <p>DOWNHOLE COMMINGLE <input type="checkbox"/></p> <p>CLOSED-LOOP SYSTEM <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>		<p><b>SUBSEQUENT REPORT OF:</b></p> <p>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/></p> <p>CASING/CEMENT JOB <input type="checkbox"/></p> <p>OTHER: <input type="checkbox"/></p>	
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Notify OCD 24 hrs. prior to any work done

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1. Set 4 1/2" CIBP @ 9700'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 9700-9600'. **WOC & Tag**
- 2. Perf& Sqz 30 sx cmt @ 5550-5450'. (Bone Spring) **WOC & Tag** Perf & sqz 25 sx at 9216' - WOC & Tag - T of Wolfcamp
- 3. Perf& sqz 30 cmt @ 2280-2180'. WOC & Tag Perf & sqz 25 sx at 6350' - WOC & Tag
- 4. Perf& Sqz 70 sx cmt @ 440' to Surface.
- 5. Cut off well head, verify cmt to surface, weld on Dry Hole Marker. **Must wait 4 hrs after cmt before cut off**

\*\*\*\*SEE ATTACHED COA's\*\*\*\*

MUST BE PLUGGED BY 3/18/2022

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE 

TITLE: Regulatory Technician

DATE: 11/30/2020

Type or print name: **Delilah Flores**  
**For State Use Only**

E-mail address: [dflores2@concho.com](mailto:dflores2@concho.com)

PHONE: 575-748-6946

APPROVED BY:  TITLE **Staff Manager** DATE **3/18/2021**

Conditions of Approval (if any):

# Adventure Exploration, LLC

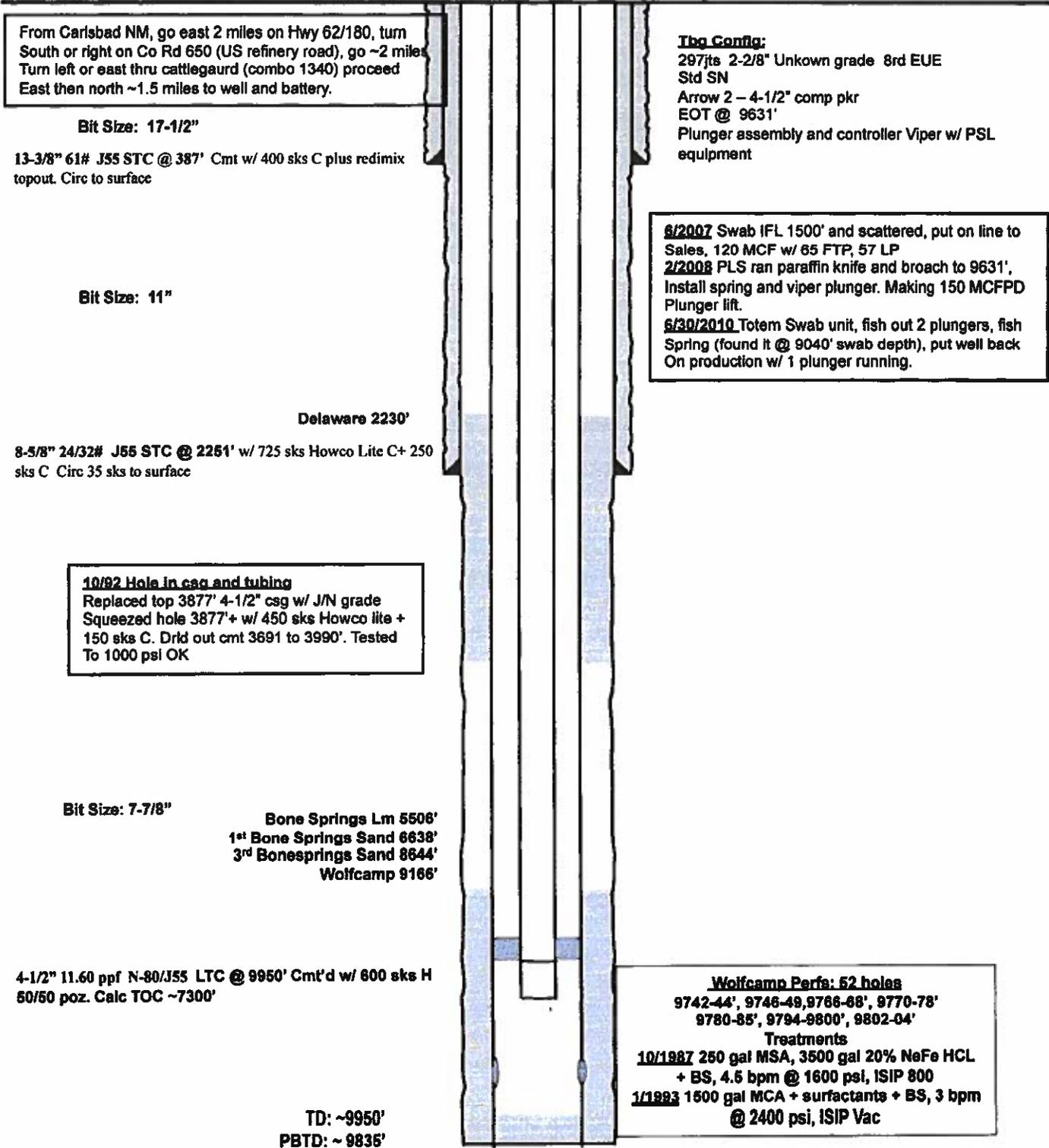
KB: 3105'  
GL: 3088'

1980' FSL & 660' FWL  
Section 1 UL - L  
T22S, R27E  
Eddy County, NM  
API # 30-015-25805

## Bass No. 2

### Producing Wellbore

First Prod: 11/1/1987  
Spud: 9/28/1987



From Carlsbad NM, go east 2 miles on Hwy 62/180, turn South or right on Co Rd 650 (US refinery road), go ~2 miles Turn left or east thru cattlegaurd (combo 1340) proceed East then north ~1.5 miles to well and battery.

**Tbg Config:**  
297jts 2-2/8" Unkown grade 8rd EUE  
Std SN  
Arrow 2 - 4-1/2" comp pkr  
EOT @ 9631'  
Plunger assembly and controller Viper w/ PSL  
equipment

Bit Size: 17-1/2"

13-3/8" 61# J55 STC @ 387' Cmt w/ 400 sks C plus redimix topout. Circ to surface

**6/2007** Swab IFL 1500' and scattered, put on line to Sales, 120 MCF w/ 65 FTP, 57 LP  
**2/2008** PLS ran paraffin knife and broach to 9631', Install spring and viper plunger. Making 150 MCFPD Plunger lift.  
**6/30/2010** Totem Swab unit, fish out 2 plungers, fish Spring (found it @ 9040' swab depth), put well back On production w/ 1 plunger running.

Bit Size: 11"

Delaware 2230'

8-5/8" 24/32# J55 STC @ 2254' w/ 725 sks Howco Lite C+ 250 sks C Circ 35 sks to surface

**10/92 Hole in csg and tubing**  
Replaced top 3877' 4-1/2" csg w/ J/N grade Squeezed hole 3877'+ w/ 450 sks Howco lite + 150 sks C. Drld out cmt 3691 to 3990'. Tested To 1000 psi OK

Bit Size: 7-7/8"

Bone Springs Lm 5506'  
1<sup>st</sup> Bone Springs Sand 6638'  
3<sup>rd</sup> Bonesprings Sand 8644'  
Wolfcamp 9166'

4-1/2" 11.60 ppf N-80/J55 LTC @ 9950' Cmt'd w/ 600 sks H 50/50 poz. Calc TOC ~7300'

**Wolfcamp Perfe: 52 holes**  
9742-44', 9746-48, 9766-68', 9770-78'  
9780-85', 9794-9800', 9802-04'  
Treatments  
**10/1987** 250 gal MSA, 3500 gal 20% NaFe HCL + BS, 4.5 bpm @ 1600 psi, ISIP 800  
**1/1993** 1500 gal MCA + surfactants + BS, 3 bpm @ 2400 psi, ISIP Vac

TD: ~9950'  
PBTD: ~ 9835'

Hal 7/14/2010

# Adventure Exploration, LLC

KB: 3106'  
GL: 3089'

## Bass No. 2

First Prod: 11/1/1987  
Spud: 9/28/1987

1980' FSL & 660' FWL  
Section 1 UL - L  
T229, R27E  
Eddy County, NM  
API # 30-015-26805

## Producing Wellbore

From Carlsbad NM, go east 2 miles on Hwy 63/180, turn South or right on Co Rd 650 (US refinery road), go ~2 miles Turn left or east thru catclawed (Combo 1340) proceed East then north ~1.5 miles to well and battery.

Bit Size: 17-1/2"  
13-3/8" 6 1/2 J55 STC @ 387' Cmt w/ 400 sks C plus redmax topout Cmt to surface

Bit Size: 11"

8-48" 2432# J55 STC @ 2251' w/ 125 sks Howco Like C- 250 sks C Circ 32 sks to surface  
Delaware 2230'

**1082 Hole in csg and tubing**  
Replaced top 3877'-4-12" csg w/ JN grade  
Squeezed hole 3877' ~ w/ 450 sks Howco like ~  
150 sks C. Dmd outl cmt 3891 to 3980' Tested  
to 1000 psi OK

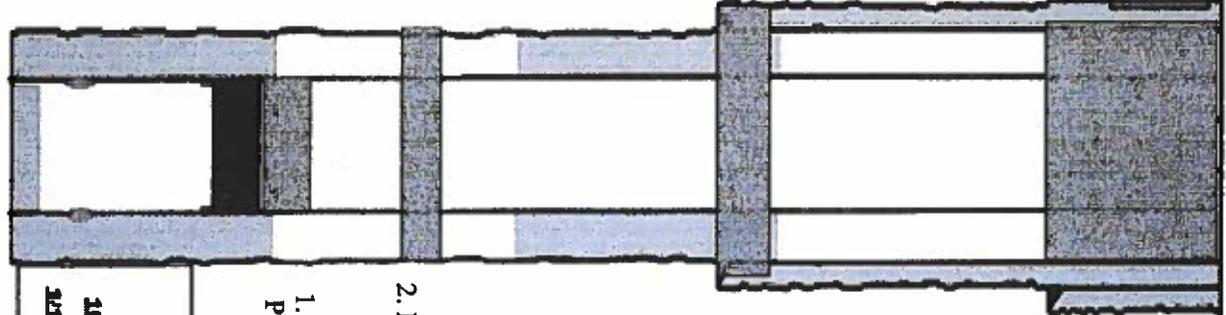
Get Size: 7-7/8"

Bone Springs Lim 5506'  
1<sup>st</sup> Bone Springs Sand 8838'  
3<sup>rd</sup> Bone Springs Sand 8844'  
Wellcamp 5166'

4-1/2" 1160 pwt N-80055 LTC @ 8950' Cmt'd w/ 600 sks H  
50150 pwt Calc TOC ~ 7300'

TD: -9850'  
PBTD: - 9835'

Well 7142010



4. Perf & Sqz 70 sx cmt @ 440' to Surface.

3. Perf & Sqz 30 sx cmt @ 2280-2180'. WOC & Tag

2. Perf & Sqz 30 sx cmt @ 5550-5450'. (Bone Spring)

1. Set 4 1/2" CIBP @ 9700'. Circulate hole w/ MLF.  
Pressure test csg. Spot 25 sx cmt @ 9700-9600'.

**Wellbore Data: 52 holes**  
8742-44', 8740-49, 8760-68', 8770-78'  
5780-85', 8784-9800', 9802-04'  
Treatments:  
101188Z 250 gal MSA, 3500 gal 20% Perf HCL  
→ B5, 4.5 bpm @ 1600 psi, ISIP 800  
11198Z 1500 gal MCA → surfactants → B5, 3 bpm  
@ 2400 psi, ISIP Vac

## CONDITIONS FOR PLUGGING AND ABANDONMENT

### OCD - Southern District

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, **Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down. Company representative will be on location during plugging procedures.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water **will not** be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.

16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
  - A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) **Potash---** (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

#### DRY HOLE MARKER REQUIREMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

**1. Operator name 2. Lease and Well Number 3. API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)-----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

#### SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

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

**State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505**

CONDITIONS

Action 21051

**CONDITIONS OF APPROVAL**

Operator: COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	OGRID: 229137	Action Number: 21051	Action Type: C-103F
OCD Reviewer gcordero			Condition None		