

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.
30-025-40315

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
V-2199

7. Lease Name or Unit Agreement Name
Gem 8705 JV-P

8. Well Number
#010

9. OGRID Number
260297

10. Pool name or Wildcat
Teas, Delaware 96797

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-103) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
BTA Oil Producers, LLC

3. Address of Operator
104 S. Pecos, Midland, TX 79701

4. Well Location

Unit Letter **D** : **990** feet from the **North** line and **330** feet from the **West** line
Section **2** Township **20S** Range **33E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3584' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

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.

Following the August 28, 2013 NMOCD approval to plugback and complete the Brushy Canyon (attached), the accompanying procedure was executed to provide:

Open Perfs: Brushy Canyon: 6556' - 6575' (2 JSPF)
Closed Perfs: Bone Spring: 9338' - 9366'

PBTD @ 9260' (CIBP @ 9300' with 40' of cement dump bailed on top of CIBP.)

This work was performed September 9, 2013 through September 18, 2013. A summary of the daily work is on the attached page of this C-103. A well bore diagram is also included with a note on tagging lost swab tools during attempted P&A operations on 9/12/2019.

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 Bob Hall TITLE Environmental Manager DATE 9/13/2019

Type or print name Bob Hall E-mail address: bhall@btaoil.com PHONE: (432) 682-3753
For State Use Only

APPROVED BY: Kerry Forke TITLE C. O. A DATE 9-24-19
Conditions of Approval (if any)

Gem 8705 JV-P #10 (API #30-025-40315)

Summary of Daily Report to plugback well and complete Brushy Canyon perforations

9/9/13 Pull well. RIH with casing scraper and bit.

9/10/13 Finish TIH w/ scraper. POOH. PU & RIH w/ tbg to set CIBP @ 9300'. Load hole. Pressure test CIBP to 1000 psi. OK. Circ hole w/ 2% KCl water. POOH w/ tbg to 6575'.

9/11/13 RU pump truck. Spot 200-gal 10% acetic acid. POOH. RU WL. Perf: 6556' – 6575' (2 JSPF). Make two runs with dump bailer. Cap CIBP w/ 40' cement. ROH and RD WL.

9/12/13 RU tbg tester. PU & RIH w/ packer. Set packer @ 6440'. Test backside to 1000 psi. OK. Pump 1,000-gallon acid and flush. SWI. RU and swab well.

9/13/13 Frac well.

9/14/13 Swab well.

9/16/13 Swab well. On last run, pulled swab line apart. Lost about 900' sandline, sinker bar, swab mandrel, and no go. RD swab. Release pkr & POOH. Did not find cable or tools in SN. PU & RIH with impression block.

9/17/13 Finish RIH with impression block to 7000'. Did not hit anything. POOH. RIH with production BHA on tubing.

9/18/13 RIH with pump and rods. Hang well on. Load hole. Good pump action. RDMO pulling unit.

As part of commencement of P&A operations on the subject well:

9/12/19 RU WL & RIH with gauge ring. Tag obstruction @ 7700'. ROH and RD WL.

Conduct research to determine cause of tagging high in wellbore. Discover records of plugback of wellbore and completion of Brush Canyon perms.

Tubing Detail

191 jts 2-7/8" 6.5# tbg to surface
 1 - 7" TAC @ 6217'
 1 jt 2-7/8" 6.5# tbg
 1 - SN @ 6251'
 1 - 4' perf sub
 1 MJ w/ BP (EOT @ 6287')

102 - 7/8" D97 steel rods
 134 - 3/4" D97 steel rods
 14 - 1-1/2" Kbars

2-1/2" x 1-3/4" x 24' pmp

KB = 3608
 GL = 3584
 Diff = 24

X-Mas Tree Top Conn.

@ 1387' - 13-3/8" 54.5# J-55 Surf. Csg. Cmtd w/ 1100 Sx Cmt Circ

@ 3248' - 9-5/8" 40# J-55 Interm Csg. Cmtd w/ 900 Sx Cmt Circ

DV Tool @ 3624'

TAC @ 6217'

SN @ 6251'
 EOT @ 6287'

TOC 5300' on 1st stg By CBL

Perfs: Brushy Canyon (9/11/2013)
 6556' - 6575' (2 JSPF - 39 holes)


Fish in Hole:
 900' sandline, sinker bar, swab mandrel & no go
 Tagged with gauge ring @ 7700' (9/12/2019)

Capped with 40' cement
 CIBP @ 9300' (9/10/2013)

Perfs: Bone Spring (7/3/2012)
 9338' - 9366' (4 JSPF - 112 holes)

9540

@ 9628' - 7" 29# HCL-80 Prod. Csg. Cmtd w/ 1565 Sx in 2 stgs

Revised		Producing Well		Drawn	TJW
9/13/2019	Bob Hall	LEASE:	8705 JV-P GEM #10	6/12/2012	
		FIELD:	Teas (Bone Spring)		
		LOCATION:	990' FNL 330' FWL Sec. 2 T20S R33E	Approved	
		COUNTY:	Lea STATE: New Mexico	Date	
		PRODUCING FORMATION:	Bone Spring		
					
		BTA Oil Producers			

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

HOBBS OGD

Form C-101
Revised July 18, 2013

AUG 27 2013 AMENDED REPORT

RECEIVED

APPLICATION FOR **DRILL, RE-ENTER, DEEPEN, RE-ENTER, OR ADD A ZONE**

Operator Name and Address BTA OIL PRODUCERS, LLC. 104 PECOS MIDLAND, TEXAS 79701		OGRID Number 260297
Property Code 305281		API Number 30-025-40315
Well Name		

Surface Location

UL - Lot D	Section 2	Township 20S	Range 33E	Lot 14	Feet from 990'	N/S Line NORTH	Feet from 330'	E/W Line WEST	County LEA
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Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot 14	Feet from	N/S Line	Feet from	E/W Line	County
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Pool Information

Pool Name Teas Delaware	Pool Code 96797
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Additional Well Information

Work Type P	Well Type O	Cable/Rotary WELL SERVICE UNIT	Lease Type S	Ground Level Elevation 3584'
Multiple NO	Proposed Depth 6580'	Formation BRUSHY CANYON	Contractor UNKNOWN	Spud Date WHEN APPROVED
Depth to Ground water 90'		Distance from nearest fresh water well 1 mile		Distance to nearest surface water NA

☒ We will be using a closed-loop system in lieu of lined pits

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	54.5#	1387'	1100 Sx.	Surface
Intermed.	12 1/2"	9 5/8"	40#	3248'	1900 Sx.	Surface
Prod	8 3/4"	7"	29#	9800'	900 Sx.	1800'

Casing/Cement Program: Additional Comments

DV-Tool At 3624'

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular, pipe rams	3000	1500	Schaffer or Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: Joe T. Janica		OIL CONSERVATION DIVISION	
Printed name: Joe T. Janica		Approved By: [Signature]	
Title: Permit Eng.		Title: Petroleum Engineer	
E-mail Address: joejanica@valornet.com		Approved Date: 08/28/13 Expiration Date: 08/28/15	
Date: 08/27/13	Phone: 575-391-8503	Conditions of Approval Attached	

AUG 28 2013

Procedure:

1. MI & RU Completion Unit. Unseat pump. Hot oil rods and tubing. Pull out of hole with rods and pump. ND Wellhead and NU BOP. Release TAC and pull out of hole.
2. Pick up and RIH with 6" scraper on tubing.
3. Run in hole with CIBP for 7" 29# casing on tubing. Set CIBP at +/- 9300'. Cap CIBP with 40' cement.
4. Load hole with 2% KCl water. Pressure test casing to 1000 psi.
5. Raise end of tubing to 6575'. Spot 200 gallons 10 % acetic acid at 6575'.
6. POH with tubing.
7. Rig up Perforating truck. Run in hole correlate to Halliburton Spectral Density. Dual Spaced Neutron Resistivity Log dated 6/10/2012. RIH with 3-1/8" hollow carrier casing gun with Premium Charges. Perforate at 6556 to 6575' with 2 JSFP per the attached Perf Sheet.
8. RIH with tubing and packer for 7" 29# casing. Pressure testing tubing to 6000 psi. Set packer at +/- 6440'. Pressure test packer to 1000 psi.
9. Breakdown perfs with pressure and displace acid.
10. Swab back load to evaluate.
11. RU to acidize with 1000 gallons 7-1/2% HCl NEFE acid containing 47 (7/8" 1.3 S.G.) ball sealers. Pump at 6-8 BPM. Maximum pressure 6000 psi with 1000 psi on backside.
12. Flow and swab back load to evaluate. Depending on results prepare to frac well.
13. Prepare to frac down tubing as follows:
Frac well down frac tubing using with 66700 gallons of Cross-linked (25#) gel carrying 100,000 pounds 20/40 brown sand as follows:
 - a) Pump 16500 gallons 25# cross-link gel pad
 - b) Pump 7000 gallons 25# cross-link gel with sand from 0.5 PPG
 - c) Pump 13300 gallons 25# cross-link gel with sand from 1 PPG
 - d) Pump 13200 gallons 25# cross-link gel with sand from 2 PPG
 - e) Pump 10000 gallons 25# cross-link gel with sand from 3 PPG
 - f) Pump 6700 gallons 25# cross-link gel with sand from 4 PPG
 - g) Flush with to top perforation with linear gel (Approximately 1747 gallons).

Pump at 20 - 23 BPM. Maximum pressure 6000 psi with 1000 psi on casing.
14. Shut well in for gel to break overnight.
15. Flow back load to evaluate.

Tubing Detail

76 jts 2-7/8" 6.5# tbg to surface
 1 - 7" TAC @ 898'
 1 jt 2-7/8" 6.5# tbg
 1 - SN @ 9018'
 1 - 6" perf sub
 1 MJ w/ BP (EOT @ 9037)

127 - 7/8" D97 steel rods
 221 - 3/4" D97 steel rods
 10 - 1-1/2" Kharr

2-1/2" x 1-1/2" x 24' pmp

KB = 3608
 GL = 3584
 Dht = 24

X-Mas Tree Top Conn.

@ 1387' - 13-3/8" 54.5# J-55 Surf. Cpg. Contd w/ 1100 Sx Cont Cline

@ 3248' - 9-5/8" 40# J-55 Intern Cpg. Contd w/ 900 Sx Cont Cline

DV Tool @ 3624'

TOC 5300' on 1st stg By CBL

Pkr @ 6440'±

Perfs 6556-6575

CIBP @ 9300'±/40' cement cap

Perfs Bone Spring 9338 - 9366'

9540

9700

@ 9628' - 7" 29# ECL-80 Prod. Cpg. Contd w/ 1565 Sx in 2 stgs

Revised

LEASE:

FIELD:

LOCATION:

COUNTY:

PRODUCING FORMATION:

Producing Well

8705 JV-P GEM

#10

Tees (Bone Spring)

990' FNL 130' FWL Sec. 2 T20S R33E

Lea

STATE: New Mexico

Bone Spring

Drawn

TJW

6/12/2012

Approved

Date