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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

HOBBS OCD
AUG 27 2013
RECEIVED

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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

1. Operator Name and Address	2. OGRID Number
BTA OIL PRODUCERS, LLC. 104 PECOS MIDLAND, TEXAS 79701	260297
	3. API Number 30-025-40315

4. Property Code	5. Property Name	6. Well No.
305261	Gem 8705 JV-P GEM	10

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	2	20S	33E	4	990'	NORTH	330'	WEST	LEA

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name	Pool Code
Teas Delaware	96797

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	O	WELL SERVICE UNIT	S	3584'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
NO	6580'	BRUSHY CANYON	UNKNOWN	WHEN APPROVED

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water
90'	1 mile	NA

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

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17½"	13 3/8"	54.5#	1387'	1100 Sx.	Surface
Intermed.	12¼'	9 5/8"	40#	3248'	1500 Sx.	Surface
Prod	8 3/4"	7"	29#	9800!	900 Sx.	1800'

Casing/Cement Program: Additional Comments

DV-Tool At 3624'

22. Proposed Blowout Prevention Program

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

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify that I have complied with 19.15.14.9 (A) NMAC ☐ and/or 19.15.14.9 (B) NMAC ☐, if applicable.
Signature: Joe T Janica

Printed name: Joe T. Janica
Title: Permit Eng.
E-mail Address: joejanica@valornet.com
Date: 08/27/13 Phone: 575-391-8503

OIL CONSERVATION DIVISION

Approved By:
Title: Petroleum Engineer
Approved Date: 08/28/13 Expiration Date: 08/28/15
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 JSPF 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 @ 8984'
1 jt 2-7/8" 6.5# tbg
1 - SN @ 9018'
1 - 6' perf sub
1 MJ w/ BP (EOT @ 9057')

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

2-1/2" x 1-1/2" 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'

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# HCL-80 Prod. Csg. Cmtd w/ 1565 Sx in 2 stgs

Revised	Producing Well	Drawn	TJW
	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		
	PRODUCING FORMATION: Bone Sprir	Date	

BTA Oil Producers