<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240	State of New Mexico	HOBBS OCD	Form C-101 Revised July 18, 2013
Phone: (575) 393-6161 Fax: (575) 393-0720 <u>District II</u>	Energy Minerals and Natural Resources		
811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III	Oil Conservation Division	AUG 27 BALAEN	DED REPORT
1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170	1220 South St. Francis Dr.	DECEMPE	
<u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462	Santa Fe, NM 87505	RECEIVED	1

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

BTA OIL PRODUCERS, LLC.							260297		
104 PECOS MIDLAND, TEXAS 79701								-40315	
30526 Property Code Gern 8705 JV-PCEM								0. W	ell No. 10
	^{7.} Surface Location								
UL - Lot D	Section 2	Township 20S	Range 33E	Lot Idn	Feet from 990	N/S Line NORTH	Feet From 330	E/W Line WEST	
	^a 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								

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Additional Well Information								
^{11.} Work Type P	^{12.} W O	eil Type		^{13.} Cable/Rotary SERVICE	UNIT	^{14.} Leas S	е Туре	^{13.} Ground Level Elevation 3584 ¹
^{16.} Multiple NO	6580 '	osed Depth	BRUSI	^{18.} Formation HY CANYO	N	UNKNOWN	tractor	²⁰ 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

^{21.} Proposed Casing and Cement Program

Туре	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	$17\frac{1}{2}$ "	13 3/8"	54.5#	1387'	1100 Sx.	Surface
Intermed.	121	9 5/8"	40#	3248'	1500 Sx.	Surface
Prod	8 3/4"	7"	29#	9800!	900 Sx.	1800'
<u></u>		Casing		Additional Comments		

DV-Tool At 3624'

^{22.} Proposed Blowout Prevention Program

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

^{23.} I hereby certify that the information g best of my knowledge and belief.		OIL CONSERVATION DIVISION		
I further certify that) have complied 19.15.14.9 (B) NMAC [], if applicabl Signature:	with 19.15.14.9 (A) NMAC [] and/or e. A.a. a.	Approved By:		
Printed name Joe T. Janica		Title: Petroleum Engineer		
Title: Permit Eng.		Approved Date: 08/28/13 Expiration Date: 08/28/15		
E-mail Address: joejanica@va.	lornet.com			
Date: 08/27/13	Phone: 575-391-8503	Conditions of Approval Attached		

967

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.
- 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.

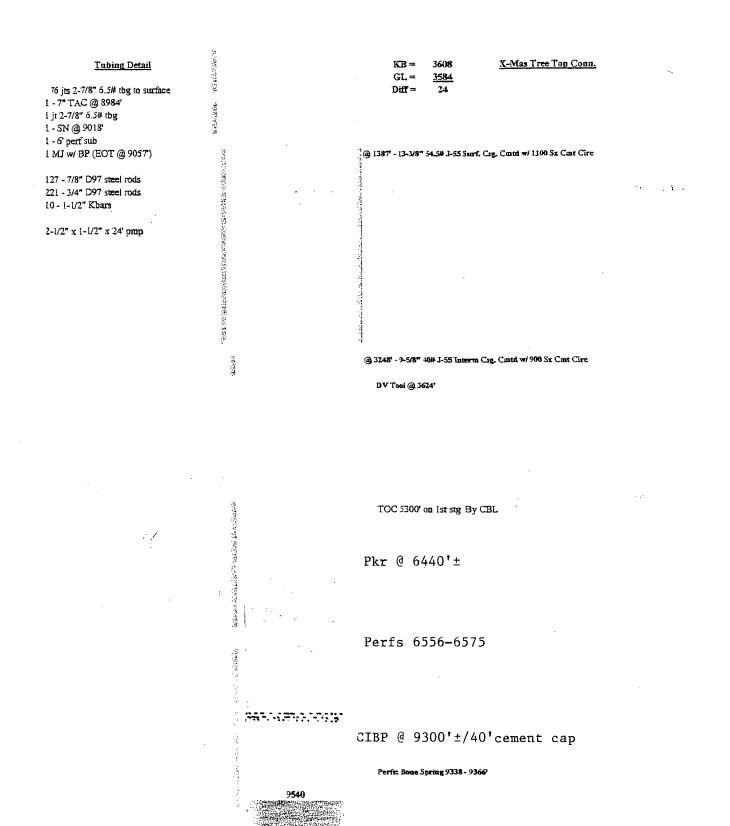
13. Prepare to frac down tubing as follows:

Frac well down frac tubing using with 66700 gallons of Cross-linked (25#) gel carrying 100,000 pounds 20/40 brown sand as follows:

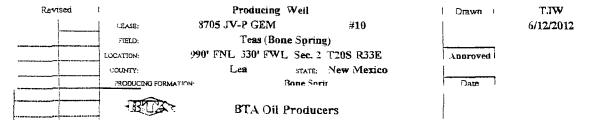
- a) Pump 16500 gallons 25# cross-link gel pad
- b) Pump 7000 gallons 25# cross-link gel with sand from 0.5 PPG
- c) Pump 13300 gallons 25# cross-link gel with sand from 1 PPG
- d) Pump 13200 gallons 25# cross-link gel with sand from 2 PPG
- e) Pump 10000 gallons 25# cross-link gel with sand from 3 PPG
- 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.







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