State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez Governor

Ken McQueen **Cabinet Secretary**

Matthias Saver Deputy Cabinet Secretary David R. Catanach, Division Director **Oil Conservation Division**



New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-3 APD form.

Operator Signature Date: 9/24/2016 Well information; _, Well Name and Number _______ #/ Operator n

API# 30-045-35798, Section 21, Township 23 NS, Range // ED

Conditions of Approval: (See the below checked and handwritten conditions)

- Notify Aztec OCD 24hrs prior to casing & cement.
- Hold C-104 for directional survey & "As Drilled" Plat 0
- & Hold C-104 for NSL, NSP, DHC is necessary
- Spacing rule violation. Operator must follow up with change of status notification on other well 0 to be shut in or abandoned
- Regarding the use of a pit, closed loop system or below grade tank, the operator must comply 0 with the following as applicable:
 - A pit requires a complete C-144 be submitted and approved prior to the construction or use of the pit, pursuant to 19.15.17.8.A
 - A closed loop system requires notification prior to use, pursuant to 19.15.17.9.A
 - A below grade tank requires a registration be filed prior to the construction or use of the below grade tank, pursuant to 19.15.17.8.C
- Once the well is spud, to prevent ground water contamination through whole or partial conduits 0 from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string

Submit Gas Capture Plan form prior to spudding or initiating recompletion operations 0

Regarding Hydraulic Fracturing, review EPA Underground Injection Control Guidance 84

Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.

Well-bore communication is regulated under 19.15.29 NMAC. This requires well-bore Communication to be reported in accordance with 19.15.29.8.

nen

-2-2017 NMOCD Approved by Signature 1220 South St. Francis Drive - Santa Fe, New Mexico 87505

Phone (505) 476-3441 • Fax (505) 476-3462 • www.emnrd.state.nm.us/ocd

a

orm 3160-3		RECEIVED			FORM APPROVED	
une 2015)	UNITED STATES	\$	CED 20	2016	Expires: Jai	nuary 31, 2018
DEPARTMENT OF THE BUREAU OF LAND MAN		AGEMENT		2010	5. Lease Serial No. NM-117578	
APPLI	CATION FOR PERMIT TO D	RILL OR I	REENTERON FI	eld Office	6. If Indian, Allotee	or Tribe Name
		E	sureau of Land N	vianagen	7. If Unit or CA Age	ement, Name and No.
Type of work:					7. If Unit of CA Agreement, Name and No.	
Type of Completion	H: Oil Well ✓ Gas Well Other				8. Lease Name and V Coffee #1	Well No.
Name of Operator					9. API Well No.	
ugan Production Cor	rp.	21		1.2	30-045- 3570	18
Address 9 East Murray Drive	, Farmington, NM 87401	3b. Phone N 505-325-18	b. Phone No. (include area code) 1 505-325-1821 B		10. Field and Pool, c Basin Fruitland Coa	or Exploratory
Location of Well (Ren	ort location clearly and in accordance	with any State	requirements.*)		11. Sec., T. R. M. or	Blk. and Survey or Area
At surface 1,963' FSL & 660' FEL, LAT: 36.210794 N; LONG: 108.004101 W NAD 1983 At proposed prod. zone Same as above.					Sect.21, T23N, R1	1W NMPM
Distance in miles and 5-miles southeast fro	I direction from nearest town or post offi m Bloomfield, New Mexico	ice*			12. County or Parish San Juan	13. State
5. Distance from propos	sed*	16. No of ac	res in lease	17. Spacin	ng Unit dedicated to th	his well
property or lease line (Also to nearest drig.	, ft. 1,963-Feet unit line, if any)	320.0-acres	\$	320.0 Ac	res - S/2	OIL CONS. D
Distance from proportion nearest well, drilling	sed location*	19. Proposed	d Depth	20. BLM/	BIA Bond No. in file	
applied for, on this le	ase, ft. No other wells.	600-Feet		NZS3490	071 / NZS348744	JUN 0
Elevations (Show whether DF, KDB, RT, GL, etc.) 22 -6217' 45			22. Approximate date work will start*			
. Elevations (Show who L-6217'	ether DF, KDB, RT, GL, etc.)	22. Approxin	mate date work will	start*	23. Estimated duration 7-days	on
Elevations (Show whe L-6217'	ether DF, KDB, RT, GL, etc.)	22. Approxin ASAP 24. Attac	hments	start*	23. Estimated duration 7-days	on
I. Elevations (Show whe GL-6217' he following, completed s applicable)	d in accordance with the requirements of	22. Approxin ASAP 24. Attack f Onshore Oil	hments and Gas Order No.	start*	23. Estimated duration 7-days	on ule per 43 CFR 3162.3-3
 Elevations (Show whe GL-6217' he following, completed is applicable) Well plat certified by a A Drilling Plan. 	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor.	22. Approxin ASAP 24. Attack	hments and Gas Order No. 1 4. Bond to cover th I tem 20 above).	start*	23. Estimated duration 7-days	ule per 43 CFR 3162.3-3 a existing bond on file (see
I. Elevations (Show whe GL-6217' he following, completed s applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest Syste ith the appropriate Forest Service Office	22. Approxin ASAP 24. Attack f Onshore Oil m Lands, the	 mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sj BLM. 	start* 1, and the H ne operation cation. pecific infor	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by ar mation and/or plans as	ale per 43 CFR 3162.3-3 a existing bond on file (see may be requested by the
L. Elevations (Show who SL-6217' the following, completed is applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with Signature	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office	22. Approxin ASAP 24. Attact f Onshore Oil m Lands, the :). Name Kurt F	hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sy BLM. (Printed/Typed) agrelius	start* 1, and the H ne operation cation. pecific infor	23. Estimated duration 7-days lydraulic Fracturing ru s unless covered by an mation and/or plans as	ale per 43 CFR 3162.3-3 a existing bond on file (see may be requested by the Date September 29, 2016
Elevations (Show whe L-6217' e following, completed applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with Signature Signature P Land & Exploration	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. the location is on National Forest Syster ith the appropriate Forest Service Office	22. Approxin ASAP 24. Attack f Onshore Oil m Lands, the (). Name Kurt F	 mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius 	start* 1, and the H operation: cation. pecific infor	23. Estimated duration 7-days lydraulic Fracturing ru s unless covered by an mation and/or plans as	ale per 43 CFR 3162.3-3 n existing bond on file (see may be requested by the Date September 29, 2016
1. Elevations (Show whe GL-6217' he following, completed is applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with 5. Signature //P Land & Exploration pproved by (Stgnature)	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office Thanking Mankeeg	22. Approxin ASAP 24. Attact f Onshore Oil m Lands, the). Name Name	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed)	start* 1, and the H ie operation: cation. pecific infor	23. Estimated duration 7-days .ydraulic Fracturing rund s unless covered by an mation and/or plans as	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016
I. Elevations (Show whe GL-6217' he following, completed s applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with Signature P Land & Exploration proved by Signature P Land & Exploration	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office TFaquette Manbeecto AFM	22. Approxin ASAP 24. Attack f Onshore Oil m Lands, the .). Name Kurt F	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed)	start* 1, and the H o operation: cation. pecific inform	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016
1. Elevations (Show whe GL-6217' he following, completed is applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with 5. Signature //P Land & Exploration pproved by (Signature) tile //P Land & Exploration pplication approval doe uplicant to conduct oper pnditions of approval in	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office \overline{Manbea} n Manbea n \overline{Manbea} n \overline{Manbea} n \overline{MAFM} es not warrant or certify that the applicar- rations thereon. f any, are attached	22. Approxin ASAP 24. Attact f Onshore Oil m Lands, the). Name Kurt F. Name Office nt holds legal of	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) EFF or equitable title to th	start* 1, and the H ne operation: cation. pecific inform	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as in the subject lease with	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016
Elevations (Show who SL-6217' effoltowing, completed s applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with Suport Suport State P Land & Exploration proved by Signature P Land & Exploration proved by Signature P Land & Exploration plication approval doe plicant to conduct oper inditions of approval, in the 18 U.S.C. Section 10	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. the location is on National Forest System ith the appropriate Forest Service Office <i>Haggulu</i> <i>Manlace</i> <i>Manlace</i> <i>m</i> <i>AFM</i> res not warrant or certify that the applicar reations thereon. f any, are attached. 001 and Title 43 U.S.C. Section 1212. n	22. Approxin ASAP 24. Attact f Onshore Oil m Lands, the). Name Kurt F Name Office at holds legal of	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) FF or equitable title to th e for any person know	start* 1, and the H ie operation: cation. pecific inform	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as in the subject lease will willfully to make to a	In the period of the period o
Elevations (Show who SL-6217' The following, completed is applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with SuPO must be filed with SuPO must be filed with SuPO must be filed with Ele P Land & Exploration proved by <i>Stemature</i> Pland & Exploration proved by <i>Stemature</i> plication approval doe plicant to conduct oper inditions of approval, if le 18 U.S.C. Section 11 the United States any file	ether DF, KDB, RT, GL, etc.) d in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office <i>TFaquula</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manbaca</i> <i>Manba</i>	22. Approxin ASAP 24. Attack f Onshore Oil m Lands, the). Name Kurt F Name Office it holds legal of nake it a crime or representati	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) FF or equitable title to th cons as to any matter	start* I, and the H ie operation: cation. pecific inform Gradient State State State State	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as in the subject lease wi willfully to make to a jurisdiction.	Ile per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016 Date Late Late Late Late Late Late Late L
Elevations (Show who SL-6217' he following, completed s applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with SUPO must be filed with Signature P Land & Exploration proved by Signature P Land & Exploration proved by Signature P Land & Exploration proved by Signature the P Land & Exploration proved by Signature the Dication approval doe plicant to conduct oper inditions of approval, in the United States any file s action is subject to bnical and procedure	ether DF, KDB, RT, GL, etc.) 1 in accordance with the requirements of registered surveyor. The location is on National Forest System ith the appropriate Forest Service Office Thanking Manbeage n AFM is not warrant or certify that the applicant ations thereon. f any, are attached. 001 and Title 43 U.S.C. Section 1212, n false, fictitious or fraudulent statements of a review	22. Approxin ASAP 24. Attact f Onshore Oil m Lands, the). Name Kurt Fi Name Office at holds legal of nake it a crime or representati	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) FF or equitable title to th e for any person knowns	start* I, and the H ne operation: cation. pecific inform cation c	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as in the subject lease wi willfully to make to a urisdiction.	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016 Date LICCEPTANCE OF LIEVE THE LESSE
Elevations (Show where the second secon	ether DF, KDB, RT, GL, etc.) 1 in accordance with the requirements of registered surveyor. the location is on National Forest System ith the appropriate Forest Service Office <i>Hagguddo</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandbeag</i> <i>Mandb</i>	22. Approxin ASAP 24. Attact Onshore Oil m Lands, the). Name Kurt Fi Name Office at holds legal of nake it a crime or representati	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) FF or equitable title to th cor equitable title to the for any person know	start* I, and the H ie operation: pecific inform = hose rights i wingly and r within its j	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as in the subject lease will willfully to make to a urisdiction. PPROVAL OR 7 DOES NOT REI OR FROM OBT,	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016 Date Lieve The Lesser AINING ANY OTHI
I. Elevations (Show who SL-6217' The following, completed is applicable) Well plat certified by a A Drilling Plan. A Surface Use Plan (if SUPO must be filed with SUPO must be filed with Suport Suport Supervised (P Land & Exploration pproved by Signature) the 'P Land & Exploration pproved by Signature) the 'P Land & Exploration pplication approval doe plication approval doe plication approval doe plication approval doe plication sof approval, in the United States any file s action is subject to hnical and procedura suant to 43 CFR 316 peal pursuant to 43 C DRILLING OPERATIONS	ether DF, KDB, RT, GL, etc.) 1 in accordance with the requirements of registered surveyor. 1 the location is on National Forest System 1 the appropriate Forest Service Office 1 The Area of the appropriate Forest Service Office 1 The Area of the appropriate Forest Service Office 1 The Area of the application of the application of the appropriate forest for the application of the appli	22. Approxin ASAP 24. Attack f Onshore Oil m Lands, the). Name Kurt Fi Name Office it holds legal of nake it a crime or representati	mate date work will hments and Gas Order No. 1 4. Bond to cover th Item 20 above). 5. Operator certific 6. Such other site sp BLM. (Printed/Typed) agrelius (Printed/Typed) FFF or equitable title to th e for any person know ons as to any matter	start* I, and the H ne operation: cation. pecific inform cation bose rights wingly and within its j	23. Estimated duration 7-days ydraulic Fracturing ru s unless covered by an mation and/or plans as mation and/or plans as in the subject lease will willfully to make to a urisdiction. PPROVAL OR 7 DOES NOT REI OR FROM OBT, RIZATION REQUERAL, AND INTER	ale per 43 CFR 3162.3-3 existing bond on file (see may be requested by the Date September 29, 2016 Date Lint Alignment of agency CCEPTANCE OF LIEVE THE LESSER AINING ANY OTHI JIRED FOR OPERA

NMOCDAY

ar an ir

4

KP

District I

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

District II 811 S. First Street, 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 Drive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department Form C-102 Revised August 1, 2011

Submit one copy to Appropriate District Office

AMENDED REPORT

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

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code Pool Name API Number 71629 BASIN FRUITLAND COAL 30-045-35798 Property Code Well Number Property Name COFFEE 1 Elevation OGRID No Operator Name 006515 DUGAN PRODUCTION CORPORATION 6217 ¹⁰ Surface Location UL or lot no. Feet from the North/South line County Section Township Range Lot Idn Feet from the East/West line 21 23N 11W 1963 SOUTH 660 EAST SAN JUAN Τ ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Township Lot Idn North/South line County Section Range Feet from the Feet from the East/West line 12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No. 320.0 Acres - 5/2

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



EXHIBIT B.

Operations Plan

Coffee #1 Lease #NM-117578 NESE of Section 21, T23N, R11W 1963' FSL and 660' FEL San Juan County, New Mexico

1. APPROXIMATE FORMATION TOPS: Kirtland Surface Fruitland 125' Pictured Cliffs 410'

Catch samples every 10 feet from 300-feet to total depth.

600'

2. LOGGING PROGRAM:

Total Depth

Run cased hole GR-CCL-CNL from total depth to surface.

3. CASING PROGRAM:

Hole	Casing		Setting	Grade and
Size	Size	Wt./ft.	Depth	Condition
12-1/4"	8-5/8"	24#	120'	J-55
7-7/8"	5-1/2"	15.5#	600'	J-55

Plan to drill a 12-1/4" hole and set 120' of 8-5/8" OD, 24#, J-55 surface casing. Then plan to drill a 7-7/8" hole to total depth with gel-water mud program to test the Fruitland Coal. 5-1/2", 15.5#, J-55 production casing will be run and cemented. Cased hole GR-CCL-CNL log will be run. Productive zone will be perforated and fractured. After frac, the well will be cleaned out and production equipment will be installed.

4. CEMENTING PROGRAM:

<u>Surface</u>: Cement to surface with 85 sks (100 Cu.ft) Haliburton Halcem cement system (Class G cement)(15.8 lbs/gal, 1.174 Cu.ft/sk). Circulate cement to surface.

<u>Production</u>: Cement w/ 145 sks, 199 Cu.ft, Halliburton HalCem cement blend, (13.5 #/gal, 1.37 cu.ft/sk, 5.79 gals/sk mix water)(Class G w/ 50% poz, 1% bwoc bentonite, 5 lb/sk Kol-seal, 0.125 lb/sk Pol-E-Flake, 0.1% bwoc CFR3 and 2% CaCl2). Total Cement volume: 199 Cu.ft, 35.5 bbls. Circulate cement to surface. Circulate cement to surface.

An adequate spacer will be pumped ahead of the cement

slurry to help prevent mud contamination of the cement. An adequate number of casing centralizers will be run through useable water zones to ensure that casing is centralized through these zones. The adequate number of centralizers will be determined based on API standards. Centralizers to impart a swirling action around the casing will be used just below and into the base of the lowest usable water zone. These devices will assist mud displacement, increase cement bonding potential and create an effective hydraulic seal. A chronological log will be kept which records the pump rate, pressure, slurry density and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

- 5. Maximum Anticipated Bottom Hole Pressure 300 psi.
- Drilling Fluid will be fresh water with bentonite 8.9#/gal.
- 7. WELLHEAD EQUIPMENT:

Huber 8-5/8"x5-1/2" casing head, 1000# WP, tested to 2000#. Huber 5-1/2"x2-7/8" tubing head, 1000# WP, tested to 2000#.

8. Blow-Out Preventer Equipment (BOPE): Exhibit 8. Annular preventer, double ram, or 2 rams with one being blind and one being a pipe ram. Kill line (2" minimum) 1 kill line valve (2" minimum) 1 choke line valve 2 adjustable chokes Upper kelly cock valve with handle available. Safety valve and subs to fit all drill string connections in use. Pressure gauge on choke manifold. 2" minimum choke line. Fill-up line.

Working pressure for all BOPE will be 2,000 psi or greater. Will test BOPE (blind rams, pipe rams, choke manifold and surface casing) separately. Each test will include a low pressure test to 250-psig held for five minutes and a high pressure test to 800-psig held for thirty minutes (with no more than a 10-percent pressure drop during the duration of the tests). If a 10-percent or greater pressure drop occurs; a packer will be run to isolate the surface casing and BOPE to locate the source of the leak. 9. Contacts: Dugan Prod. Corp. Office & Radio Dispatch: (505) 325-1821

*

	(505) 525-1021	
Gerald Wright	Kurt Fagrelius	John Alexander
(505)632-5150 (H)	(505)325-4327 (H)	(505)325-6927 (H)
(505)330-9585 (M)	(505)320-8248 (M)	(505)320-1935 (M)



construction site with trucks over existing roads in the area.

- 7. Methods for Handling Wastes -
- A. Closed loop drilling system will be used to contain all liquids and solids waste associated with drilling operations is shown in **Exhibit 6**.
 - 1. System will be designed and maintained to prevent contamination of fresh water and protect wildlife, public health and the environment.
 - Stockpile top-soil prior to leveling well pad and digging pit. The top-soil will be kept separate from sub-soil and used as a final cover for interim reclamation of the pit and well pad.
 - 3. A pit approximately 45-feet long by 12-feet wide and 3-feet deep with vertical sidewalls will be constructed. The pit will be constructed with a firm foundation and interior slopes, smooth and free of rocks or sharp edges.
 - 4. An open-top steel tank approximately 40-feet long by 10-feet wide and 4-feet deep with internal baffles will be set in the pit and used to separate solids from the drilling fluids.
 - 5. An upright, 400-bbl tank will be set adjacent to the open top steel tank and used for circulation and storage of drilling fluids.
 - 6. An upright, 400-bbl tank will be set adjacent to the circulation/storage tank and used for storage of fresh water.
 - 7. Diversionary berms, ditches or sloping will be constructed to prevent surface run-off from flowing into pit.
 - 8. Sub-surface soil will be used to construct a 1-foot tall berm around the perimeter of the pit to prevent surface run-off water from entering the pit.
 - B. Solids all accumulated solids (cuttings) in the open-top steel tank and circulating tank will be removed by a vacuum truck and hauled daily to the Industrial Ecosystem Inc. (IEI) land farm for disposal.
 - C. Liquids all liquids (drilling fluids) from the closed loop system will be transferred to the next well in the drilling program for re-use or hauled to Basin Disposal for disposal. All flow back water recovered during completion operations will be collected in a steel storage tank and disposed of at either Basin Disposal or IEI waste disposal facilities.
 - D. Spills any spills of non-freshwater liquid will be reported to the Farmington Field Office of the BLM and the New Mexico Oil Conservation District office within 48-hours. The spill will be cleaned up immediately and transferred to either Basin Disposal or the IEI waste disposal facilities.
 - E. Sewage portable, toilets will be used to collect and contain human sewage. Toilets will be onsite during drilling and completion activity. The toilet holding tanks will be pumped as needed and the contents will be disposed at an approved sewage disposal facility.



Working Pressure for all equipment is 2,000 psi or greater

DUGAN PRODUCTION CORP. Coffee #1

EXHIBIT 2

Directions from the Intersection of US Hwy 550 & US Hwy 64

in Bloomfield, NM to Dugan Production Corporation Coffee #1

1963' FSL & 660' FEL, Section 21, T23N, R11W, N.M.P.M., San Juan County, NM

Latitude: 36.210794°N Longitude: 108.004101°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Southerly on US Hwy 550 for 27.9 miles to State Hwy #57 @ Mile Marker 123.4;

Go Right (South-westerly) on State Hwy #57 for 3.3 miles to fork in roadway;

Go Left (South-westerly) remaining on State Hwy #57 for 2.6 miles to fork in roadway;

Go Left (Southerly) which is straight remaining on State Hwy #57 for 4.2 miles to fork in roadway;

Go Right (Westerly) exiting State Hwy #57 onto County Road #7650 for 6.4 miles to fork in roadway:

Go Right (North-Westerly) immediately after cattle guard, exiting County Road #7650 for 0.5 miles to begin proposed access on right-hand side of existing roadway on edge of existing Dugan Hoss #92 location, which continues for 2995.3' to staked Dugan Coffee #1 location.