Submit 3 Copies To Appropriate District Office	State of New M		Form C-103
District I 1625 N. French Dr., Hobbs, NM 88240	Energy, Minerals and Na	tural Resources	June 19, 2008 WELL API NO.
District II	OIL CONSERVATIO	N DIVISION	30-045-32086
1301 W. Grand Ave., Artesia, NM 88210 District III	1220 South St. Fra		5. Indicate Type of Lease
1000 Rio Brazos Rd , Aztec, NM 87410	Santa Fe, NM 8		STATE FEE 6. State Oil & Gas Lease No.
District IV 1220 S St Francis Dr., Santa Fe, NM 87505			Lg-1917
	CES AND REPORTS ON WELL		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSE DIFFERENT RESERVOIR. USE "APPLICE OF THE PROPOSE OF THE PROPOS			Mesa
PROPOSALS.)	Cas Wall Codes: SWD 0	1.0	8. Well Number
1. Type of Well: Oil Well	Gas Well Other SWD-9	18	4
2. Name of Operator			9. OGRID Number
Dugan Production Corp. 3. Address of Operator	• • • • • • • • • • • • • • • • • • • •		006515 10. Pool name or Wildcat
P. O. Box 420, Farmington, NM 8'	7499-0420		SWD; Mesaverde (96160)
4. Well Location			
Unit Letter I ::	1450 feet from the South line	and 1245 feet f	rom the <u>East</u> line
Section 16	Township 24N Rang	e 8W	NMPM San Juan County
	11. Elevation (Show whether D		
HARE WILLIAM TO THE STATE OF TH	681	9' GL	
12. Check A	Appropriate Box to Indicate 1	Nature of Notice	Report or Other Data
			-
NOTICE OF IN			BSEQUENT REPORT OF:
PERFORM REMEDIAL WORK TEMPORARILY ABANDON	PLUG AND ABANDON CHANGE PLANS	REMEDIAL WOR	RK ☐ ALTERING CASING ☐ ☐ RILLING OPNS.☐ P AND A ☐
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMEN	
DOWNHOLE COMMINGLE	_		_
OTHER: Conduct Step-Rate test		OTHER:	
			nd give pertinent dates, including estimated date
of starting any proposed wo or recompletion.	rk). SEE RULE 1103. For Multi	ple Completions: A	ttach wellbore diagram of proposed completion
or recompletion.			
	ission to conduct a step-rate-test of itted to the NMOCD office in Azt		The operational plan and well information ver.
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			RCUD MAR 17'09
			OIL CONS. DIV. DIST. 3
NOTIFY NMOCD	AZTEC 24 HOURS PRO	OR TO BEGINA	ling operations
Spud Date:	Rig Release I)nte:	
Spud Date.	Rig Release L	Jaic.	
I hereby certify that the information a	above is true and complete to the	best of my knowleds	ge and belief.
		/ //	1 -11-
SIGNATURE AND SIGNATURE	ON and ATITLE !!	Calosiny	DATE 7/16/2009
79	State of the state		7/
Type or print name John C. Alexand			
For State Use Only	Depu	ıty Oil & Gas I	nspector,
APPROVED BY: Taly G.	TITLE	District #3	DATE MAR 1 8 2009
Conditions of Approval (if any):	CONDUCT MIT AND	RPANEN HEAD	TEST PRIOR TO STEP RATE *
n_		in the property in the propert	· · · · · · · · · · · · · · · · · · ·



dugan production corp.

3/11/2009

Mr. Charlie Perrin NMOCD 1000 Rio Brazos Aztec, NM 87410

Re: Step Rate Test, Mesa SWD No. 4

Dear Mr. Perrin:

Dugan Production Corp. request permission to conduct a step-rate-test at the Mesa SWD No. 4 located in G-16-T.24N-R.8W, API 30-045-32086. The well is authorized for injection by Administrative Order SWD-918.

Injection commenced 7/24/2004.

A history of injection rates and pressures is attached.

A wellbore schematic is attached.

The following procedure will be used to conduct the test:

- 1. Shut the well in for 24 hours prior to beginning the test.
- 2. The NMOCD Aztec office will be advised of the test date.
- 3. A bottom hole pressure recording device will be set on slick line at the top perforation.

The well has 5-1/2 casing set at 4651'. Cement was circulated to surface.

The perforated interval is: 4288' – 4438' (115 holes)

Plastic lined 2-7/8" tubing is set with a Baker AD-1 packer at 4222'.

The well was hydraulically fractured. The frac gradient was 0.796 psi/ft.

- 4. Casing and bradenhead pressures will be monitored and recorded during the test.
- 5. Injection rates will commence at one half barrel per minute and increased by the same rate every 15 minutes.
- 6. All pumping, recording and pressure equipment will comply with safety standards.

Sincerely,

John Alexander Vice President

Dugan Production Corp.

john.alexander@duganproduction.com

505-325-1821

Attachments

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Dugan Productiion Corp.

Wellbore Schematic Mesa 4 SWD API 30-045-32086 G-16-T.24N-R.8W San Juan Co., NM

8-5/8" 24 lb/ft. casing @ 224'. Cement to surface.

Stage Tool @ 2,063'.

Tubing 2-7/8" EUE 6.5 lb/ft. plastic lined.

Packer @ 4,222'. Baker AD-1 tension.

Perforations 4288' – 4438' (115 holes)

5-1/2" 15.5 lb/ft. casing @ 4651'. Stage tool @ 2063'. Cement w/280 sx BJ Premium Lite High Strength w/1/4# celloflake 5#/sx LCM-1. Cement 2nd stage w/214 sx Premium Lite FM w/3% CaCl2, ¼# celloflake/sx, 5#/sx LCM-1, 8% Bentonite & .4% Sodium Metasilicate.

Tail w/50 sx Type III cement w/1% CaCl2 & 1/4# celloflake/sx. Circ 25 bbls