RECEIVED

Form 3160-3 (April 2004)

MAY n UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

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Lease Serial No. NM-25433

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If Indian, Allotee or Tribe Name

Approx. 35-miles SE of Farmington, New Mexico San Juan 16. No. of acres in lease location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) 8. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 19. Proposed Depth 19. Proposed Depth 20. BLM/BIA Bond No. On File N M O I H D 11. Elevations (Show whether DF, KDB, RT, GL, etc.) GL-6891' 22. Approximate date work will start* 23. Estimated duration 5-Days 24. Attachments 15. Bond to cover the operations unless covered by an existing bond on ltem 20 above). 25. Operator certification 26. Such other site specific information and/or plans as may be required authorized officer.	
8. Lease Name and Well No. Composed Production Corp. 10. Name of Operator Dugan Production Corp. 11. Name of Operator Dugan Production Corp. 12. Address 709 East Murray Drive Farmington, NM 87401 13. Phone No. (include area code) 505-325-1821 14. Location of Well (Report Invation clearly and in accordance with any State requirements.*) 15. At surface 1050' FSL & 790' FWL Lat. 36.32419 N Sec. 7, T24N, RS At proposed prod. zone Same as above Long. 107.83658 W NMPM 16. Distance in miles and direction from nearest town or post office* Approx. 35-miles SE of Farmington, New Mexico 16. No. of acres in lease 17. Spacing Unit dedicated to this well location to nearest drig. unit line, if any) 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. 20. Distance from proposed location* 21. County or Parish 22. Approximate date work will start* 22. Approximate date work will start* 23. Estimated duration 5-Days 24. Attachments 24. Attachments 25. Distance from proposed location or to nearest drig. unit line, if any) 26. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 5-Days 24. Attachments 25. Distance from proposed location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).	all Toher Vicina
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S. S. Name (Printed/Timed)	
ida	<u> </u>
Geologist	
Approved by (Signature) Name (Printed/Typed) Date	Name (F
itle AFM Office FFO	Colores)
application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the application of approval, if any, are attached.	lectors)
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the	(Leolotz) Office

*(Instructions on page 2)

THE REPORT OF THE PROPERTY OF

A water based gel-mud will be used to drill surface and production casing hole. Standard 2,000 psi BOP will be used to drill production hole. Fruitland Coal will be completed from approximately 1755 - 1770'. The interval will be fracture stimulated.

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER **AUTHORIZATION REQUIRED FOR OPERATIONS** ON FEDERAL AND INDIAN LANDS

NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT

JUL 1 4 2010



District I 1625 N French Dr., Hobbs, NM 88240

State of New Mexico

Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd. Aztec, NM 87410

gy, Minerals & Natural Resources Department

Instructions on back

OIL CONSERVATION DIVISTON

OIL CONSERVATION DIVISTON

State Lease - 4 Copies
Fee Lease - 3 Copies 1220 South St. Francis Dr.

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505

Santa Fe, NM 87505MAY 04 2010

AMENDED REPORT

Burnow of Later Francisco WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number		*Pool Code	Pool Name	
30.045.35144		71629	BASIN FRUITLAND CO	DAL
Property Code		99	roperty Name	*Well Number
3838		91		
'OGRID No.		*Elevation		
006515		6891		

¹⁰ Surface Location

UL or lot no	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
М	7	24N	9W		1050	SOUTH	790	WEST	SAN JUAN
		11 E	Bottom	Hole L	ocation I	f Different	From Surf	ace	
UL or lot no.	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acres		.32 Acre	es - (5/2)	13 Joint or Infill	¹⁴ Consolidation Code	¹³ Order No		

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

			NUARD UNIT HAS BEEN APPRO		
15	1332.54	1318.68	2638.02		17 OPERATOR CERTIFICATION I hereby certify that the information contained
	LOT 1				herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
	LOT				Surf Fagration 7-1-2009 Signature Date Kurt Fagrelius
	2				Printed Name
4.62			7	7.16	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under
5284	LOT	DUGAN NM-25433	DUGAN NM-45207	529	my supervision, and that the same is true and correct to the best of my belief Date of Survey: JUNE 9, 2009 Signature and Seal of Professional Surveyor
LON D	3 AT. 36 32419 N NG: 107.83658 W ATUM: NAD1983			-	SELLY MEXICO
Ĺ	LOT <u>0</u>				ASON C. EDWARDS Centificate Number 15269

1319.34

1316.04

2632.741

Form 3160-5 (June 1990)

(This space for Federal or State office use)

Conditions of approval, if any

Approved by

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

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JUN 1 8 2010

FORM APPROVED

Budgel Bur	eau No	1004-0135
Evoires	March	31 1993

SUNDRY NOTICES A	ND REPORTS ON WELLS	5 Lease Designation and Serial No NM - 25433
	drill or to deepen or reentry to a different reservoir.	6 If Indian, Aliotted or Tribe Name
Use "APPLICATION FO	R PERMIT -" for such proposals	
SUBMIT IN	I TRIPLICATE	
1 Type of Well		7 If Unit or CA, Agreement Designation
Oil Gas Well X Well	Other	
2 Name of Operator		8 Well Name and No
Dugan Production Corp.		Sixteen G's Com #91
3 Address and Telephone No P.O. Box 420, Farmington, NM 87499 (505) 325 - 1821	9 API Well No 30-045- 35144
Location of Well (Footage, Sec, T, R, M, or Survey Description) 1050' FSL & 790' FWL		10 Field and Pool, or Exploratory Area
Sec. 7, T24N, R9W	t	Basin Fruitland Coa
NMPM		11 County or Parish, State San Juan Co., NM
12. CHECK APPROPRIATE BOX(s) TO IND	ICATE NATURE OF NOTICE, REPORT, OR O	HER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
Final Abandonment Notice	Casing Repair Altering Casing	Water Shut-Off Conversion to Injection
	X Other Alter hole size	Dispose Water
	and casing.	(Note Report results of multiple completion on Well
13 Describe Proposed or Completed Operations (Clearly state all pertinen	It details, and give pertinent dates, including estimated date of starting any prop	Completion or Recompletion Report and Log form) osed work. If well is directionally drilled,
give subsurface locations and measured and true vertical dept	hs for all markers and zones pertinent to this work)*	
_	and casing size as follows:	
<u> Hole Size</u> <u>Cas</u>	sing Casing Size and We	
	face 7", 20# set at 120	
6-1/4" Prod	duction $4-1/2$ ", 10.5 # set	at 1920-ft.
Cement type and volumes v	vill remain same as reported c	n original APD.
		RCVD JUL 12'10
		OIL CONS. DIV.
		Facility of the Control of the Contr
14 I hereby certify that the foregoing is true and correct		
Sund Kut Familia	THE VD Exploration Date	June 18, 2010

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Tille

Date

EXHIBIT B OPERATIONS PLAN

Sixteen G'S #91

APPROXIMATE FORMATION TOPS:

Total Depth	1920'
Pictured Cliffs	1770 ′
Fruitland	1450′
Kirtland	1110′
Ojo Alamo	985 ′

Catch samples every 10 feet from 1650 feet to total depth.

LOGGING PROGRAM:

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

CASING PROGRAM:

8

Hole	Casing		Setting	Grade and
Size	Size ~ /	Wt./ft.	Depth	Condition
1111 12-1/4"	8-5/8/7	24#10th	120'	J-55
6/9+ 7-778"	1/2"	24#20# 15.5# 10.5#	1920 ′	J-55
(p/pt	412	15.10		

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.

CEMENTING PROGRAM:

Surface: Cement to surface with 75-cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage- Cement w/160-sx Premium Lite FM 3% BWOC

Calcium Chloride + 0.25 lbs/sx Celloflake + 5 lbs/sk

LCM-1 + 0.4% BWOC FL-52 + 8% BWOC Bentonite + 0.4%

BWOC Sodium Metasilicate + 112.3% fresh water (12.1 lb/gal, 2.13 cu ft/sx - 341-cu ft slurry). Tail

w/163-sx Type III cement + 1 lb/sk Calcium Chloride + 0.25 lb/sx Celloflake + 0.2% BWOC FL-52 + 59% fresh water (14.6 lb/gal, 1.38 cu ft/sx-225-cu ft slurry).

Total cement slurry for production stage is 566-cf 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.

Maximum Anticipated Bottom Hole Pressure - 300 psi.

Drilling Fluid - will be fresh water with bentonite 8.9#/gal.

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#.

Blow-Out Preventer Equipment (BOPE): Exhibit D.

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.

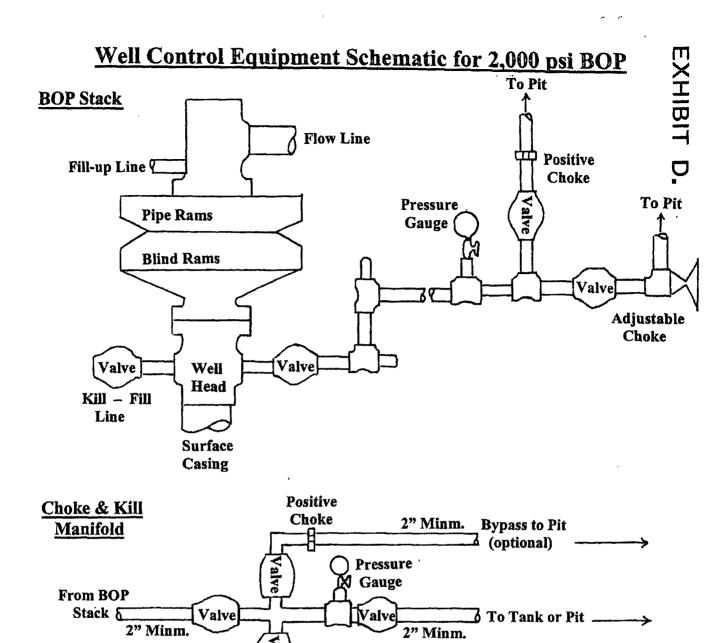
Fill-up line.

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.

Contacts: Dugan Prod.Corp. Office & Radio Dispatch: 325-1821

Mark Brown	Kurt Fagrelius	John Alexander
327-3632 (H)	325-4327 (H)	325-6927 (H)
320-8247 (M)	320-8248 (M)	320-1935 (M)



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

Adjustable

Choke

DUGAN PRODUCTION CORP.
Sixteen G's #91

2" Minm.

7 To Tank or Pit _____