APR 2008						
Form 3160-3 (April 2004)				OMB No	APPROVED 1004-0137 Jarch 31, 20	
DEPARTMENT OF THE I BUREAU OF LAND MAN		2005 MAR 2	2 (1)	5 Lease Serial No. SF-078091		
*************************************		REENTER RE	CEIVE	6. If Indian, Allotee	or Tribe N	lame
la. Type of work: DRILL REENTE	R			7 If Unit or CA Agree	ement, Nai	me and No.
lb. Type of Well: ☐Oil Well ✓ Gas Well ☐Other	Sin	gle Zone Multip	le Zone	8. Lease Name and V Patriot #94S	Vell No.	
2. Name of Operator Dugan Production Corp.				9. API Well No. 30-045- 32	1988)
Ba. Address P. O. Box 420, Farmington, NM 87499 3b. Phone No. (include area code) (505)325-1821				10. Field and Pool, or Exploratory Basin Fruitland Coal		
4. Location of Well (Report location clearly and in accordance with any	-	ents.*)		11. Sec., T. R. M. or B	lk. and Sur	vey or Area
At surface 1250' FNL & 990' FWL (NW/4 NW At proposed prod. zone same	74)			Unit D, Sec. 29	, T26N, I	R13W
14. Distance in miles and direction from nearest town or post office* Approximately 20 miles south of Farmington, New Mexic	0			12. County or Parish San Juan		13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any.) 990'	16. No. of ac	cres in lease	17. Spacin	g Unit dedicated to this v	vell	
18. Distance from proposed location*				BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft. approx. 3600'	1745'	•				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6538' GL	22. Approxim	nate date work will star 08/11/2005	rt*	23. Estimated duration 6 days	n	
	24. Attac	hments				
The following, completed in accordance with the requirements of Onshor	re Oil and Gas	Order No.1, shall be a	ttached to the	is form:		
 Well plat certified by a registered surveyor. A Drilling Plan. 		4. Bond to cover the Item 20 above).	he operation	ns unless covered by an	existing b	ond on file (see
3. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).	Lands, the	5. Operator certific 6. Such other site authorized office	specific info	ormation and/or plans as	may be re	equired by the
25. Signature	I .	(Printed/Typed)			Date	
Title Geologist	l	Kurt Fagrelius			02/2	3/2005
Approved by (Signature)	Name	(Printed/Typed)			Date	
DIL applied wo	<u> </u>				41	5/06
Title AFM	Office	FFO				•
Application approval does not warfant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached.	s legal or equit	able title to those righ	ts in the sub	ject lease which would e	ntitle the a	pplicant to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a ci States any false, fictitious or fraudulent statements or representations as	rime for any pe to any matter w	erson knowingly and vithin its jurisdiction.	villfully to m	nake to any department o	r agency	of the United
*(Instructions on page 2)		· · · · · · · · · · · · · · · · · · ·				
A water based got mud will be used		11 aun£200 :			2 la	. 7 -

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. The Fruitland Coal will be completed from approximately 1500'-1590'. The interval will be fractured.



District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Santa Fe. NM 87504-2088

OIL CONSERVATION DIVISION PO Box 2088

Revised February 21, 199 Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

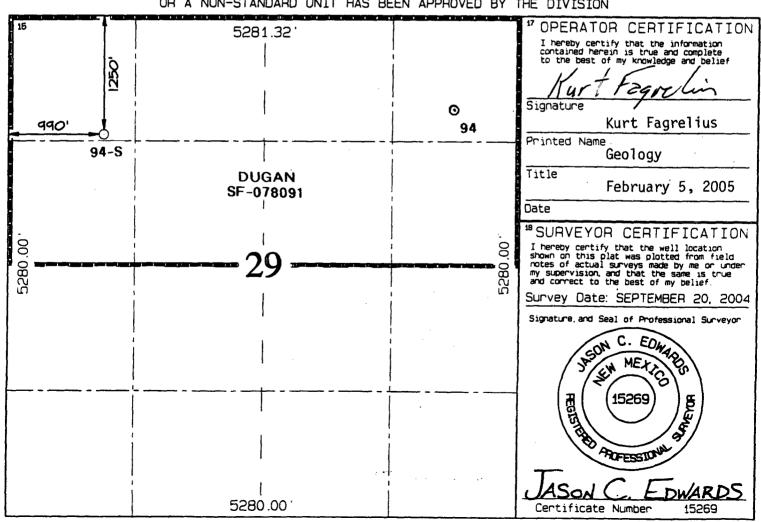
AMENDED REPORT

Form C-10:

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number		1		*Pool Cod	te l	Pool Name			
30-045	s-3a	1988		71629)	BASIN FRUITLAND COAL			
'Property							, W	ell Number	
1389	8	PATRIOT						948	
'OGRID N	10.				*Operator	Name		• [Elevation
00651	5 /			DUGAN	N PRODUCTION CORPORATION / 6538' /				
	¹⁰ Surface Location								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ם	29	26N	13W		1250	NORTH	990	WEST	SAN JUAN
	¹¹ Bottom Hole Location If Different From Surface								
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
								Ì	
12 Dedicated Acres	320	0.0 Acres	- (N	/2)	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.	<u> </u>	
NO ALLOWADIE WILL BE ACCIONED TO THE COMPLETION UNITY ALL INTEGEOR WAYS BEEN CONSCIOUS.									

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



	w Mexico		Form C-103
Office Energy, Minerals and	Natural Resources	THE LANGE	March 4, 2004
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.	32988
District II 1301 W. Grand Ave., Artesia, NM 88210 OIL CONSERVA	TION DIVISION	5. Indicate Type	
District III 1220 South St	1220 South St. Francis Dr.		FEE Fed.XX
1000 Rio Brazos Rd., Aztec, NM 87410 District IV Santa Fe, N	Rio Brazos Rd., Aztec, NM 87410 Santa Fe NM 87505		as Lease No.
1220 S. St. Francis Dr., Santa Fe, NM		Federal SF	0.70001
87505 SUNDRY NOTICES AND REPORTS ON W	TELLC		r Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN			
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C		Patri	ot
PROPOSALS.) 1. Type of Well:		8. Well Number	
Oil Well Gas Well XX Other			94-S
2. Name of Operator		9. OGRID Numb	ner .
Dugan Production Corp.). OOIGIS INGINE	006515
3. Address of Operator		10. Pool name or	Wildcat
709 East Murray Drive, Farmington, New	Mexico 87401	Basin Fru	itland Coal
4. Well Location			
1000 C C C		۰	il work ii
Unit Letter D: 1250 feet from the no	ine and 99	leet from	m the west line
Section 29 Township 26N	Range 13W	NMPM	County San Juan
11. Elevation (Show wheth GL-6538)	er DR, RKB, RT, GR, etc.,		
Pit or Below-grade Tank Application (For pit or below-grade tank closures,		ed) \/(\(\rho\)/	>1000
Pit Location: ULD Sect 29 Twp 26N Rng13W Pit type Drilli			perest fresh weter well 5-mi
Distance from nearest surface water + 2000 Below-grade Tank Location	III Sect Two	Dng .	an est il toli water wen
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feet from theline andfeet from thelin	e		
12. Check Appropriate Box to Indic	ate Nature of Notice,	-	
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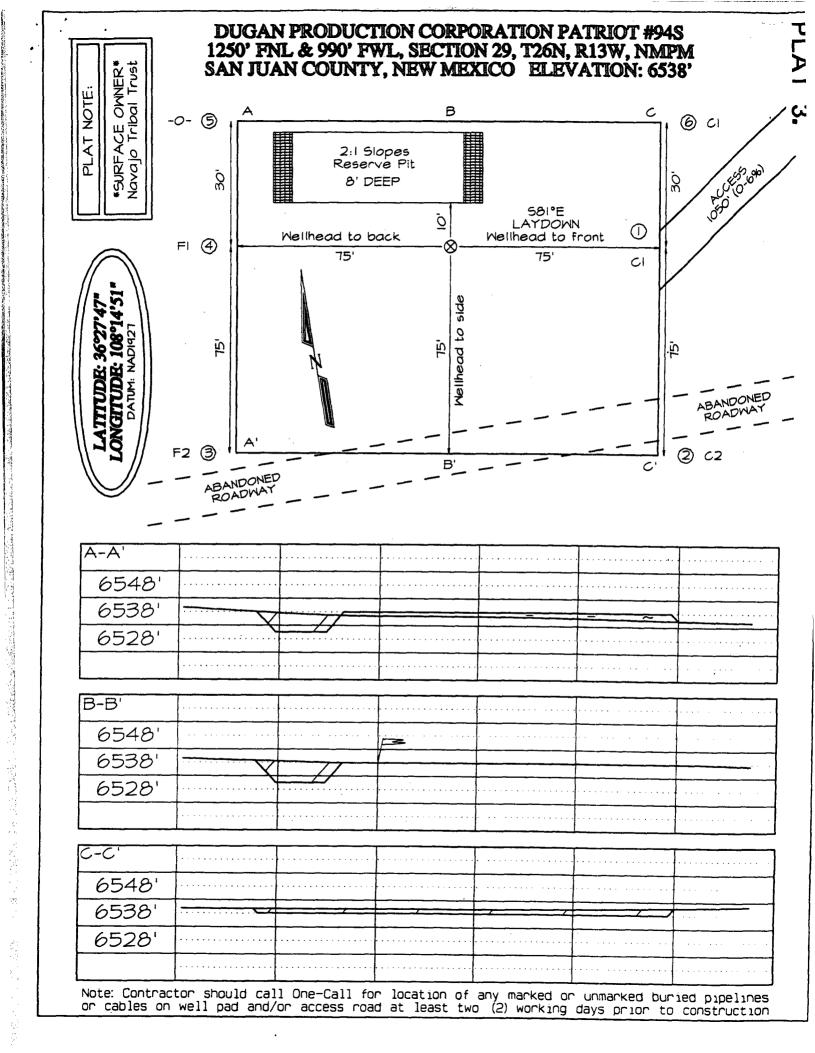


EXHIBIT B OPERATIONS PLAN

Patriot #94-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	315′	Pictured Cliffs	1595′
Kirtland	425′		
Fruitland	1275′	Total Depth	1745′

Catch samples every 10 feet from 1200 feet to total depth.

LOGGING PROGRAM:

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

CASING PROGRAM:

Hole	Casing		Setting	Grade and
Size	Size	Wt./ft.	Depth	Condition
9-7/ 8"	7"	20#	120	J-55
6-1/4"	4-1/2"	10.5#	1,745	J-55

Plan to drill a 9-7/8" hole and set 120' of 7" OD, 20#, J-55 surface casing. Then plan to drill a 6-1/4" hole to total depth with gel-water mud program to test the Fruitland Coal. 4-1/2", 10.5#, 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 70 cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage-Cement with 170 cf 2%Lodense with

%# celloflake/sx followed by 100 cf Class "B" with

%# celloflake/sx.

Total cement slurry for production stage is 270 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 usable 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, pump pressure, slurry density, and slurry volume for the cement job. The log will be sent to the BLM after completion of the job.

WELLHEAD EQUIPMENT:

Huber 7"x4-1/2" casing head, 1000# WP, tested to 2000#. Huber 4-1/2"x2-7/8" tubing head, 1000# WP, tested to 2000#.

BOP and Related Equipment will include for a 2000 psi system: (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 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.

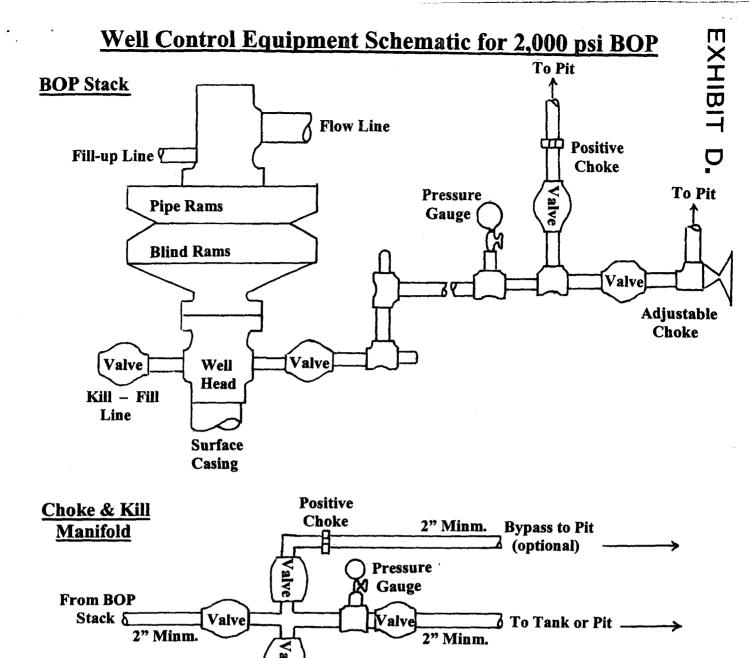
Fill-up line.

Contacts:

A STATE OF THE STA

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

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



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

Adjustable

Choke

DUGAN PRODUCTION CORP.
PATRIOT #94-S

2" Minm.

To Tank or Pit ______