FORM APPROVED Form 3160-3 OMB No. 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES 2005 MAY Lease Serial No DEPARTMENT OF THE INTERIOR NM-96800 RECEIVED **BUREAU OF LAND MANAGEMENT** 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILLO OR REENTER & CTO 11 15 7 If Unit or CA Agreement, Name and No. la. Type of work: DRILL REENTER 8. Lease Name and Well No. Single Zone Oil Well Gas Well Multiple Zone lb. Type of Well: Hoss #92 9. API Well No. Name of Operator Dugan Production Corp. *30-045* ·33068 3b. Phone No. (Include area code) 3a. Address 709 East Murray Drive, Farmington, NM 10. Field and Pool, or Exploratory 505-325-1821 Basin Fruitland Coal Location of Well (Report Irration clearly and in accordance with any State requirements.") 11. Sec., T. R. M. or Blk and Survey or Area 990' FSL and 1980' FWL N Sec. 22, T23N, R11W At proposed prod. zone Same as above 12. County or Parish 14. Distance in miles and direction from nearest town or post office.

Approx. 13-miles SW of Blanco Trading Post, NM San Juan NM 15. Distance from proposed 17. Spacing Unit dedicated to this well 16. No. of acres in lease location to nearest property or lease lime, ft. (Also to nearest drig. unit line, if any) 990' 1200 Ac. W/2-320 Acres 20. BLM/BIA Bond No. on file 19. Proposed Depth 18. Distance from proposed location to nearest well, drilling, compapplied for, on this lease, ft. 600' Approx. 2400' 22. Approximate date work will start 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 23. Estimated duratio 7/10/2005 3-days GL-6253' 24. Attachments The following, completed in accordance with the requirements of Oushore Oil and Gas Order No.1, shall be attached to this form: 1. Well plat certified by a registered surveyor. 4. Bond to cover the operations unless covered by an existing Item 20 above). 2. A Drilling Plan. 5. Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the Such other site specific information and/or plans as may be required by the authorized officer. SUPO shall be filed with the appropriate Forest Service Office). 25. Signature Name (Printed/Typed) Kurt Fagrelius 4/28/2005 Title Geology Approved by (Sig Name (Printed/Typed) Office 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 applicant to conduct operations thereon Conditions of approval, if any, are attached Title 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 United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. *(Instructions on page 2) - B

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 350' - 400'. The interval will be fractured.

This action is adject to technical and proceed at review pursuant to 43 CFR 3165 3 and pipeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

①istrict 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

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State of New Mexico
Energy, Minerals & Natural Resources Départment

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088 Form C-102 Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

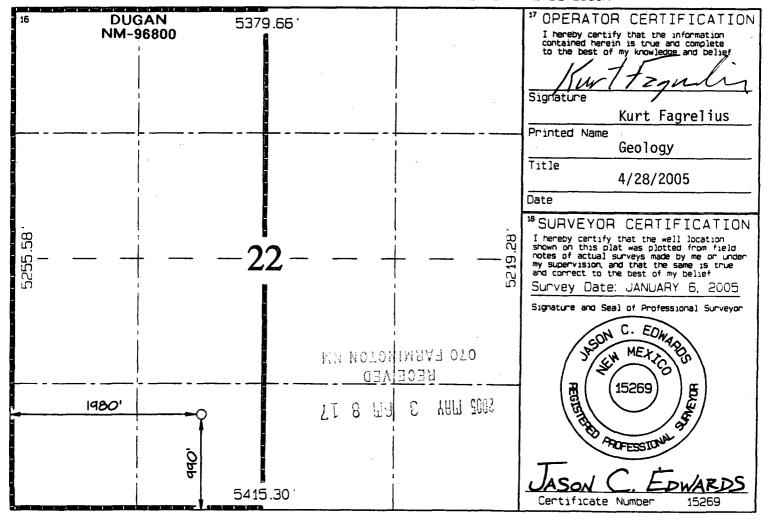
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	*Pool Name		
30-045-33068	71629	BASIN	FRUITLAND	COAL
Property Code	*Pr	roperty Name HOSS		*Well Number
OGRID No.	* O ₅	perator Name		*Elevation
006515	DUGAN PRODU	UCTION CORPORATION		6253
	¹⁰ Surf	ace Location		

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	55	23N	11W	j	990	SOUTH	1980	WEST	SAN JUAN
L 	L	11 E	ottom	Hole L	ocation I	f Different	From Surf	ace	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres	nce.).O Acre	s (W	l	13 Joint or Infill	¹⁴ Consolidation Code	²⁵ Onder No.		
	عدر	.U ACI E	S - (N	1/ =)			Ì		

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



Office Office		New M				C-103
District I	Energy, Minerals	and Nati	ural Resources	WELL API NO		h 4, 2004
1625 N. French Dr., Hobbs, NM 88240 District II	OH COMERN		I DII /IGION	WELL AFTING	-045-33de	<i>8</i>
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSER	_		5. Indicate Typ		
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 Sout			STATE	FEE	Fed.XX
District IV	Santa F	e, NM 8	7505	6. State Oil & 0	Gas Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM 87505				Federal	NM-96800	
SUNDRY NOTICE	ES AND REPORTS C			7. Lease Name	or Unit Agreement	Name
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR. USE "APPLICA				Hoss		
PROPOSALS.)		,		8. Well Number		
1. Type of Well: Oil Well Gas Well XX)+how			92	•	
				<u> </u>	1	
2. Name of Operator Dugan Pi	roduction Corp.		·	9. OGRID Nun	006515	
3. Address of Operator 709 East Murray Drive	e, Farmington, I	New Mex	ico 87401	10. Pool name o Basin F	or Wildcat Fruitland Coal	
4. Well Location						
Unit Letter N : 9	990' feet from the	sout	h line and 19	1801 Feet fo	om the West	line
Omit Letter N : 3	•	-				
Section			ange 11W		_{County} San Ju	an
	11. Elevation (Show w 6253'-GL	hether DR	R, RKB, RT, GR, etc.)			
Pit or Below-grade Tank Application (For pi	it or below-grade tank clos	ures, a forn	C-144 must be attache	1) 100	7	10001
Pit Location: UL N Sect 22 Twp 231					nearest fresh water well	14,00 0
Distance from nearest surface water 850	O' Below-grade Tank Lo	cation UL_	SectTwp	Rng	;	
feet from theline and	feet from the	line				1
NOTICE OF INT			1	SEQUENT RE		le 🗆
	COMPLETION		CEMENT JOB			
OTHER: Reserve pit for dri		XX	OTHER:			
13. Describe proposed or complet of starting any proposed work or recompletion. A water hole. Standard 2,000 will be lined with ar approval, following or). SEE RULE 1103. I based gel-mud v) psi BOP will b n impervious mat	For Multip vill be be used terial	de Completions: Att used to drill to drill prod and be abandon	ach wellbore diag surface and uction hole.	ram of proposed cor production co The reserve	npletion asing pit
I hereby certify that the information abgrade tank has been/will be constructed or clo Federal lease, pits will SIGNATURE furt fegar	sed according to NMOCD 1 be constructe	guidelines d and a TITLE_	関 a general permit 口 の bandoned as pe Geologist	or an (attached) alter er BLM condit	native OCD-approved p cions of appro DATE 4/29/20	lan □. val. 05
Type or print name Kurt Fagreliu	S	E-mail ad	kfagrelius Idress:	@duganproduc	tion com 505-3	25-182
(This space for State use)						<u>ንሰበ</u> ደ
APPPROVED BY		TITLE		ECRUR, DEST. 🐠	DATE NOV 0	2000
Conditions of approval, if any:	phy with NA			d gridelin	45	

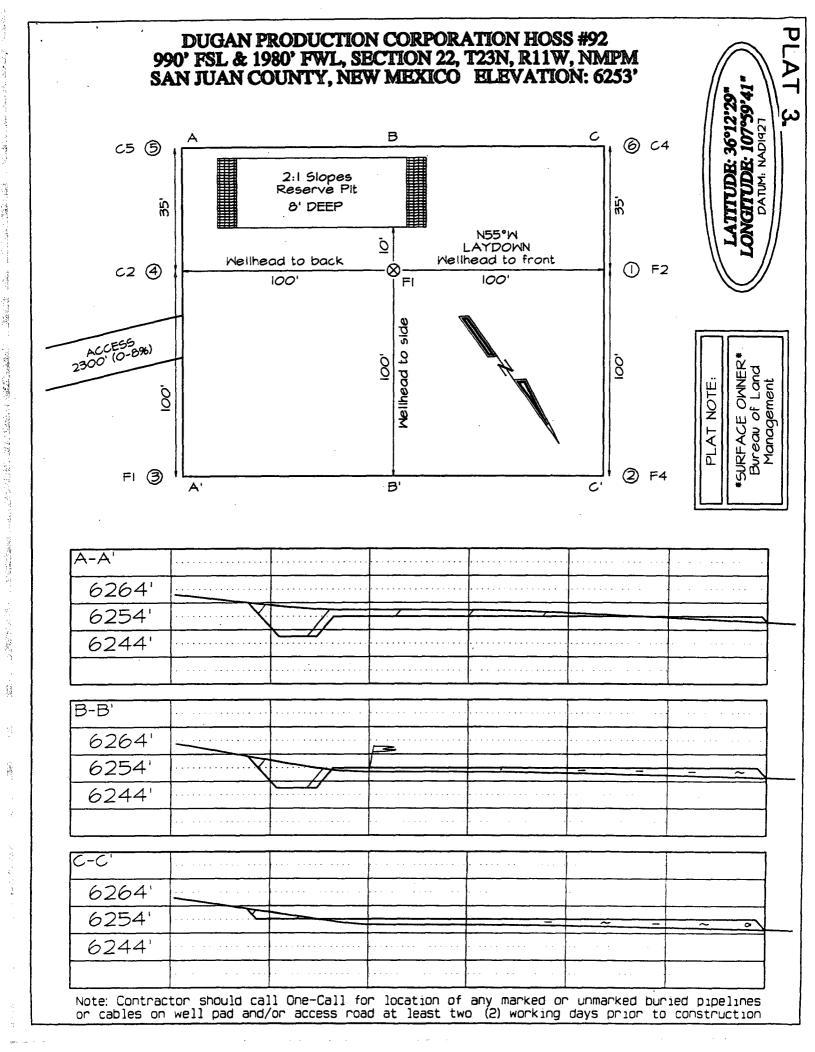


EXHIBIT B OPERATIONS PLAN

Hoss #92

APPROXIMATE FORMATION TOPS:

Pictured Cliffs 400' Kirtland -Surface 600' 801 Fruitland Total Depth

Catch samples every 10 feet from 300 feet to 600 feet.

LOGGING PROGRAM:

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

CASING PROGRAM:

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Hole	Casing		Setting	Grade and
Size	Size	Wt./ft.	Depth	Condition
12-1/4"	8-5/ 8"	24#	120'	J-55
7"	5-1/2"	14#	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" hole to total depth with gel-water mud program to test the Fruitland Coal. 14#, 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 60 cf 2%Lodense with

¼# celloflake/sx followed by 40 cf Class "B" with

¼# celloflake/sx.

Total cement slurry for production stage is 100 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 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#.

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.

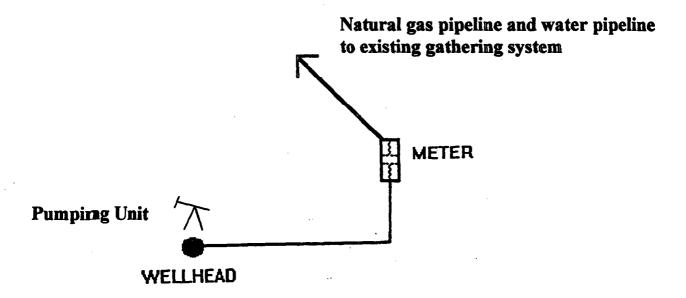
2" minimum choke line.

Fill-up line.

Contacts:

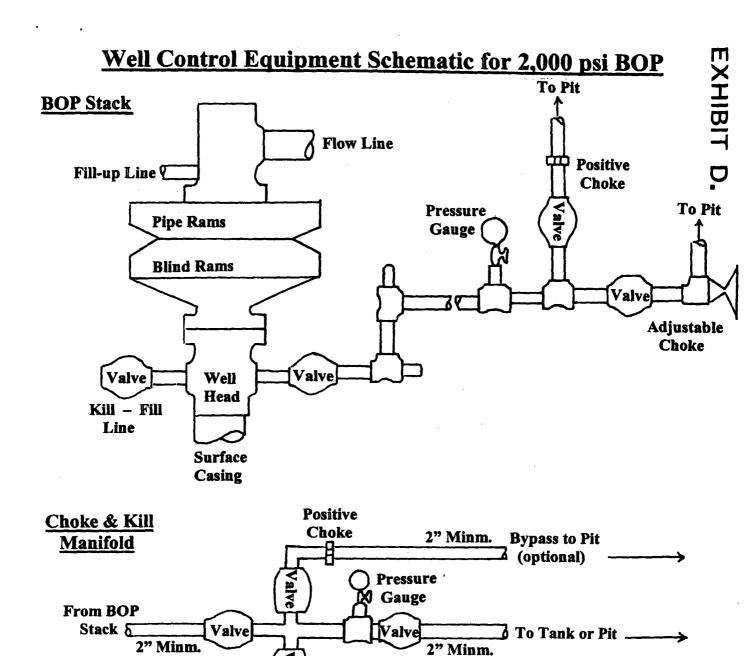
Dugan Prod.Corp. Office & Radio Dispatch: 325-1821

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



Anticipated Production Facilities

DUGAN PRODUCTION CORP. HOSS #92



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

Adjustable

Choke

DUGAN PRODUCTION CORP. HOSS #92

2" Minm.

🛾 To Tank or Pit ____