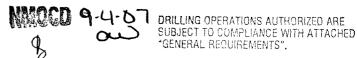
DIST. 3

If Unit or CA Agreement, Name and No.	Form 3160-3 (April 2004) UNITED STATES DEPARTMENT OF THE I BUREAU OF LAND MAN. APPLICATION FOR PERMIT TO I	AGEMENT EIVED		OMB No. Expires Ma 5. Lease Serial No.	PPROVED 1004-0137 urch 31, 2007 NM-33025 or Tribe Name	
18. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone Hugh Lake # 91-S 19. API Well Na	la. Type of work: DRILL REENTE	R		7 If Unit or CA Agree	ment, Name and No.	ı
Bas Address 709 East Murray Drive, Farmington, NM 3b. Phone No. (include area code) 87401 10. Field and Pool, or Exploratory 87401 10. Field and Pool, or Exploratory 10. Field and Pool, or Exploratory 10. Field and Pool, or Exploratory 11. Sec. 7. R. M. or Bik and Survey or Area At surface 1645 FNL & 1130 FEL, Lat. 36, 53443 N. At proposed prod. zone. Same as above 10. 109. 1183 W. NMPM 14. Distance in miles and direction from searest town or page office. Approx. 20-miles SE of Farmington, NM 87401 12. County or Parish San Juan NM 15. Distance from proposed focation 1 to nearst property or lease line, fi. (130 Feet property or lease line, fi. (140 to nearst drig, unit line, if any) 18. Distance from proposed focation 1 to nearst property or lease line, fi. (130 Feet property line) fi. (130 Feet property line) fi. (130 Feet property line) fi. (130 Feet p	lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	le Zone	Hugh Lak		
3a. Address 709 East Murray Drive, Farmington, NM 87491 4. Location of Well (Report Invation Closely) and in accordance with any Suar regularomets? At surface 1645' FNL & 1130' FEL, Lat. 36.53443 N. At proposed prod. zone Same as above Long. 108.11183 W. 4. Distance in miles and direction from nearest town or page office? Approx. 20-miles SE of Farmington, NM 87401 15. Distance from proposed? Approx. 20-miles SE of Farmington, NM 87401 15. Distance from proposed? Approx. 20-miles SE of Farmington, NM 87401 16. No. of acres in lease 640.0 Acres Furgery or base line, ft. Application in nearest drip, unit line, if any) 18. Distance from proposed? 19. Proposed Depth 1330 Feet 1330 Feet 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start' 23. Estimated duration 6-Days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be sitached to this form: 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 3. Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). 25. Signature Name (Printed Typed) Name (Printed Typed) Name (Printed Typed) Name (Printed Typed) Date Application approval does not warrful 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. Application approval does not warrful 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. Application approval does not warrful or certify that the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title BUSC Section 1001 and Title 43 USC. 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 fraudule					33824	
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Approx. 20-miles SE of Farmington, NM 87401 San Juan NM 15. Distance from proposed* location to nearest drig, until tine, if any) 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, field, applied for, applied, applied for, applied for	Atsurface 1645' FNL & 1130' FEL, Lat	t. 36.53443 N.		Ц Sec. 33,	•	
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*(Instructions on page 2)	Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cri- States any false, fictitious or fraudulent statements or representations as to	ime for any person knowingly and wo o any matter within its jurisdiction.	ilifully to m	ake to any department or	agency of the United	
	*(Instructions on page 2)	l				

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 1166' - 1180'. The interval will be fracture stimulated.

NOTIFY AZTEC OCD 24 HRS.

PRIOR TO CASING & CEMENT



District I PO Box 1980, Hobbs, NM 88241-1980 State of New Mexico Form C-102 Revised February 21, 1994 Energy, Minerals & Natural Resources Department Instructions on back District II PO Drawer DD, Artesia, NM 88211-0719 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies RCVD AUG 30'07 OIL CONSERVATION DIVISION PO Box 2088 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe. NM 87504-2088 AMENDED REPORT PO Box 2088, Santa Fe, NM 87504-2088 OIL COMS. DIV. DIST. 3 WELL LOCATION AND ACREAGE DEDICATION PLAT Popl Name API Number *Pool Code 71629 BASIN FRUITLAND COAL Property Name Well Number Property Code 24278 HUGH LAKE 915 *Elevation 'OGRID No *Operator Name 006515 DUGAN PRODUCTION CORPORATION 5849 ¹⁰ Surface Location UL or lot no Sect ion Lot Idn Feet from the North/South line County Feet from the East/West line 33 27N 12W 1645 NORTH 1130 **EAST** Н SAN JUAN ¹¹Bottom Hole Location If Different From Surface UL or lot no North/South line Feet from the County 13 Joant or Infall 12 Dedicated Acres 14 Consolidation Code 15 Order No. 320.0 Acres - (E/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 -----OPERATOR CERTIFICATION 5280.00 I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature Kurt Fagrelius Printed Name Geology LAT: 36.53443 N LONG: 108.11183 W DATUM: NAD1983 Title 1130 May 28, 2006 Date 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 my supervision, and that the same is true and correct to the best of my belief 8 5280 Date of Survey: APRIL 24, 2006 Signature and Seal of Professional Surveyor

DUGAN

NM-33025

5280.00

Date of Survey: APRIL 24, 2006
Signature and Seal of Professional Surveyor

C. EDWARDS

JASON C. EDWARDS

15269

Certificate Number

Submit 3 Copies To Appropriate District Office State of New Mexico Financial Minorals and Natural Resources	Form C-103 May 27, 2004
District I Energy, Minerals and Natural Resources 1625 N French Dr , Hobbs, NM 88240	WELL API NO. 30-045-
District II 1301 W Grand Ave, Artesia, NM 88210 District III 1000 Rio Brazos Rd, Aztec, NM 87410 District IV OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505	5. Indicate Type of Lease Federal XX STATE FEE 6. State Oil & Gas Lease No.
1220 S St Francis Dr , Santa Fe, NM 87505	Federal NM-33025
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name
DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)	Hugh Lake
1. Type of Well: Oil Well Gas Well M Other 2. Name of Operator	8. Well Number #91-S 9. OGRID Number
Dugan Production Corp.	006515
3. Address of Operator 709 East Murray Drive, Farmington, NM	10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location Unit Letter H: 1645 feet from the north line and 113	30 feet from the east line
Section 33 Township 27N Range 12W	NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL-5849'	
Pit or Below-grade Tank Application V or Closure Depth to Groundwater 100 Distance from nearest fresh water well +1000 Distance fresh water well +1000 Dista	ance from peacest surface water +200 1
10	nstruction Material Synthetic
12. Check Appropriate Box to Indicate Nature of Notice, I	Report or Other Data
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILL PULL OR ALTER CASING MULTIPLE COMPL CASING/CEMENT	LING OPNS. P AND A
OTHER Reserve pit for drilling (lined) XX OTHER:	П
13. Describe proposed or completed operations. (Clearly state all pertinent details, and of starting any proposed work). SEE RULE 1103. For Multiple Completions: Att or recompletion.	
A water based gel-mud will be used to drill surface an Standard 2,000 psi BOP will be used to drill production Coal will be completed from approximately 1166' - 1178 fracture stimulated.	on hole. The Fruitland
Tracture Seminarated.	RCVD AUG 30 '07
	OIL CONS. DIV.
	DIST. 3
	,
I hereby certify that the information above is true and complete to the best of my knowledge grade tank has been/will be constructed or-closed according to NMOCD guidelines , a general permit	and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan .
SIGNATURE Kurt Famin TITLE Geology	DATE May 28, 2006
Kurt Fagrelius kfagrelius@duganproduc	tion.com 505-325-1821
Type or print name E-mail address: Deputy Oil & Gas Ins	pector, Telephone No.
APPROVED BY: District #3	DATE SEP 0 4 2007

APPROVED BY:
Conditions of Approval (if any):

EXHIBIT B OPERATIONS PLAN

Hugh Lake #91-S

APPROXIMATE FORMATION TOPS:

Ojo Alamo	94′
773 7 3	0001

Pictured Cliffs Kirtland 200′ Fruitland 780*'* Total Depth 1330'

Catch samples every 10 feet from 1150 feet to 1330 feet.

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
12-1/4"	8-5/8"	24#	120'	J-55
7"	5-1/2"	14#	1330′	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 120 cf 2%Lodense with

1/4# celloflake/sx followed by 100 cf Class "B" with

1/4# celloflake/sx.

Total cement slurry for production stage is 220 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.

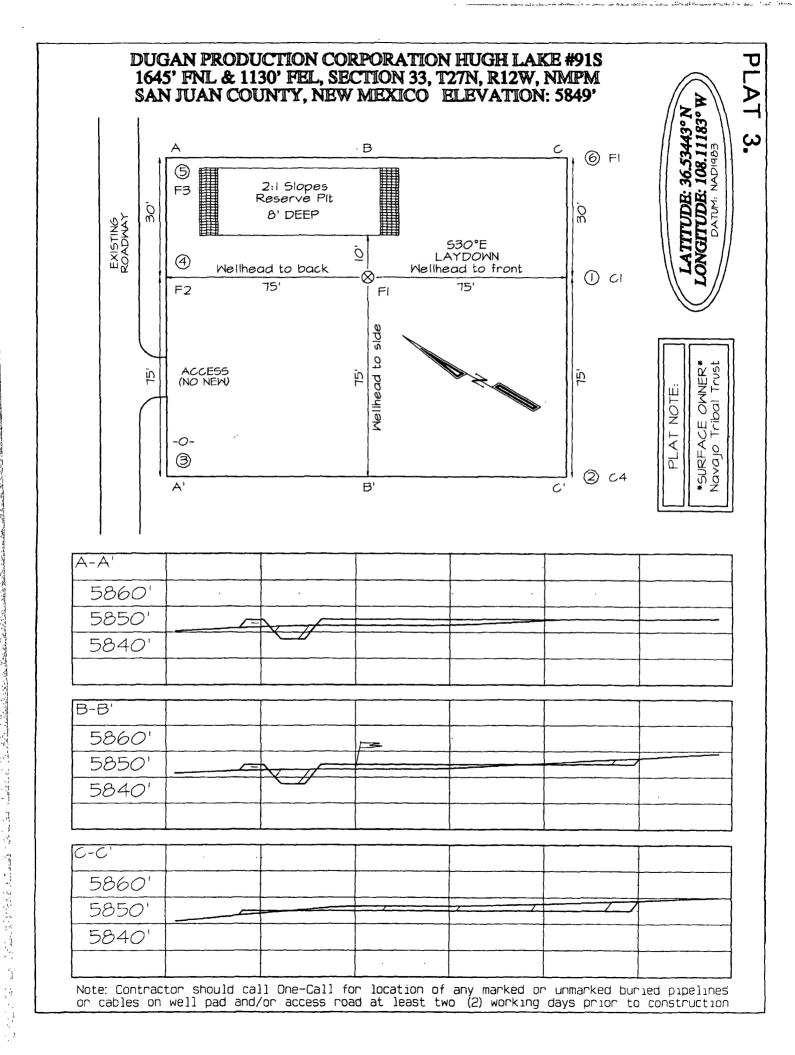
2" minimum choke line.

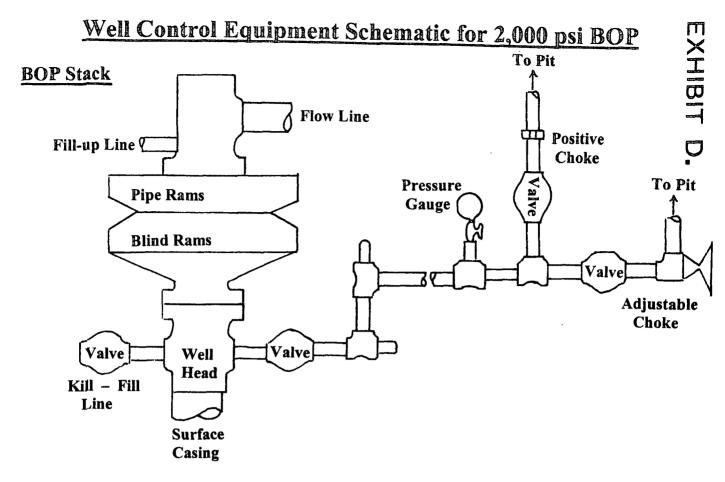
Fill-up line.

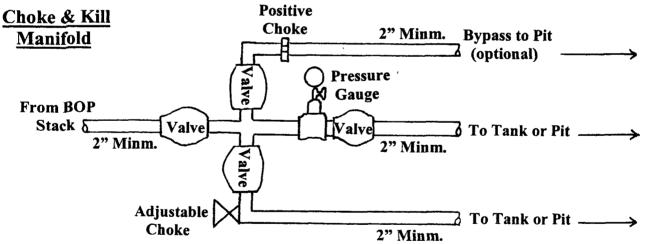
Contacts:

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

DUGAN PRODUCTION CORP. HUGH LAKE #91-S