Form 3160-3 (August 1999), UNITED ST DEPARTMENT OF T BUREAU OF LAND M	THE INTERIOR	FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000 5. Lease Serial No. NM-70298	·
APPLICATION FOR PERMIT 1	TO MILISOR REENTER 3 57	6. If Indian, Allottee or Tribe Name	
1a. Type of Work: ☑ DRILL ☐ REENTER	RECEIVED 070 FARMINGTON HM	7. If Unit or CA Agreement, Name and	i No.
1b. Type of Well: ☐ Oil Well ☐ Gas Well Oth	ter: CBM Single Zone Multiple Zone	Lease Name and Well No. ATLANTIS COM 4-S	
	KURT FAGRELIUS E-Mail: kfagrelius@duganproduction.com	9. API Well No. 30-045-32-56	4
3a. Address 709 EAST MURRAY DRIVE FARMINGTON, NM 87401	3b. Phone No. (include area code) Ph: 505.325.1821 Fx: 505.327.4613	10. Field and Pool, or Exploratory BASIN FRUITLAND COAL	
4. Location of Well (Report location clearly and in accordance	nce with any State requirements.*)	11. Sec., T., R., M., or Blk. and Survey	y or Area
At surface SWSE 905FSL 1725FEL 30 At proposed prod. zone	6.50180 N Lat, 108.17340 W Lon	O Sec 3 T30N R14W Mer NMP SME: FEE	•
14. Distance in miles and direction from nearest town or post of APPROX. 8-MILES NORTH OF KIRTLAND, NE		12. County or Parish SAN JUAN	3. State NM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 905 FEET	16. No. of Acres in Lease	320.00 E/2	l
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KB, RT, GL, etc. 5730 GL	22. Approximate date work will start 12/01/2004	23. Estimated duration 7-DAYS	
	24. Attachments		
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Systa SUPO shall be filed with the appropriate Forest Service Off 	4. Bond to cover the operation litem 20 above). em Lands, the 5. Operator certification	his form: ons unless covered by an existing bond on formation and/or plans as may be required	`
25. Signature Kurt Fegrelius	Name (Printed/Typed) KURT FAGRELIUS	Date 09/01	/2004
Title GEOLOGIST			
Approved by Signature Manche (2)	Name (Printed/Typed)	Date ///	24/6
Title AFM	Office FFO		/
Application approval does not warrant or certify the applicant ho operations thereon. Conditions of approval, if any, are attached.	icus legal or equitable title to those rights in the subject le	ase which would entitle the applicant to c	onduct
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, n States any false, fictitious or fraudulent statements or representate		make to any department or agency of the	United
Additional Operator Remarks:	and the second second in the second s		

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 1230' - 1360'. The interval will be fractured.

NMOCD

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

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

Constrict I PC 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

Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 State Lease - 4 Copies Fee Lease - 3 Copies

Form C-102

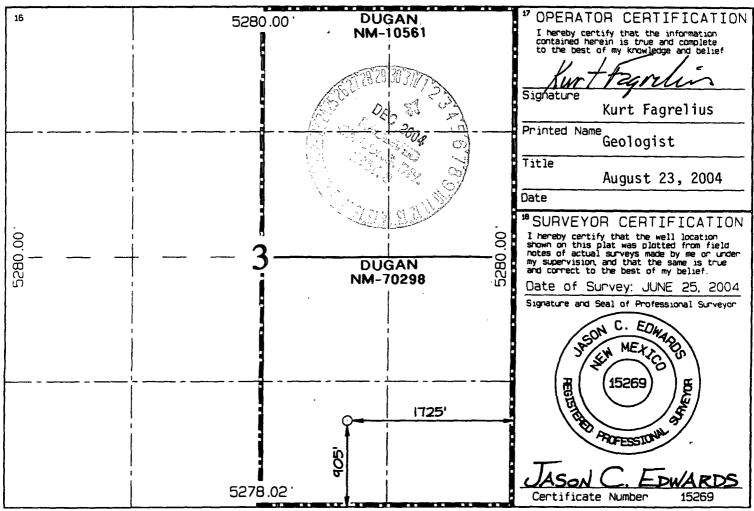
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AMENDED REPORT

RECEIVED
WELL LOCATION AND ACREAGEMENTONATION OF AT

2004 SEP

WELL COCK TON AND ADJUMPED TOWN FEAT										
'API Number Pool Code				ie	Pool Name					
30045	30-045-32564 71629 BASIN FRUITLAND CO.				AL					
Property Code Property Name Well N				11 Number						
344	81		ATLANTIS COM					4S		
'OGRID N	No.				*Operator	Name			*Elevation	
00651	5	DUGAN PRODUCTION CORPORATION 573					5730 ·			
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
0	3	SON	14W		905	SOUTH	1725	EA	ST	SAN JUAN
		¹¹ E	ottom	Hole L	ocation I	f Different	From Surf	ace		
ut or lat ma.	Sect 100	Townshap	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
					ļ			ļ		
12 Dedicated Acres										
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										
15					DIII	SAN.	17 OPER	ATOB	CERTI	FICATION



Submit 3 Copies To Appropriate Dist Office District I	Energy, Minerals ar	ew Mexico nd Natural Resources	Form C-103 March 4, 200
1625 N. French Dr., Hobbs, NM 8824 District II 1301 W. Grand Ave., Artesia, NM 88		80 voision	WELL API NO.
District III 1000 Rio Brazos Rd., Aztec, NM 874	1220 South S	St. Francis Dr. NM ₁₈₇₅₀₅ VED	5. Indicate Type of Lease STATE FEE Fed.) 6. State Oil & Gas Lease No.
District IV 1220 S. St. Francis Dr., Santa Fe, NM		O FARMINGTON NM	
87505 SUNDRY I	OTICES AND REPORTS ON		Federal NM-70298 7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PI	OPOSALS TO DRILL OR TO DEEPE PPLICATION FOR PERMIT" (FORM	N OR PLUG BACK TO A	Atlantis Com
1. Type of Well:	∑ Other		8. Well Number 4-S
2. Name of Operator Duga	n Production Corp.		9. OGRID Number 006515
3. Address of Operator 709 East Murray	Drive, Farmington, Ne	ew Mexico 87401	10. Pool name or Wildcat
4. Well Location			
Unit Letter 0	: 905 feet from the	South line and $\frac{1}{2}$	725feet from theline
Section 3	Township 30N	Range 14W	NMPM County San Juan
	11. Elevation (Show when 5730)	ther DR, RKB, RT, GR, etc.,	
Pit or Below-grade Tank Application	(For pit or below-grade tank closure	s. a form C-144 must be attache	<u> </u>
			360 Distance from nearest fresh water well
	er 1/4-m Below-grade Tank Locati	· · · · · · · · · · · · · · · · · · ·	Rng; 71600
test i.o.m rastres :	andfeet from thei		•
NOTICE OF	ck Appropriate Box to Indi INTENTION TO: DESCRIPTION TO:	SUB	SEQUENT REPORT OF:
TEMPORARILY ABANDON		COMMENCE DRI	
PULL OR ALTER CASING	MULTIPLE COMPLETION	CASING TEST AN	ABANDONMENT
OTHER:Reserve pit fo	_	OTHER:	
13. Describe proposed or of starting any propose	completed operations. (Clearly state work). SEE RULE 1103. For	tate all pertinent details, and Multiple Completions: Att	d give pertinent dates, including estimated date tach wellbore diagram of proposed completion
or recompletion. A water based gel-m 2.000 psi BOP will	ud will be used to dr be used to drill produ ial and be abandoned a	ill surface and pr uction hole. The	roduction casing hole. Standa reserve pit will be lined wit ons of approval, following
I hereby certify that the informa grade tank has been/will be construct	tion above is true and complete t	o the best of my knowledge delines , a general permit o	and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE Kurtfa	godin TIT	TLE Geologist	DATE 9-1-2004
Type or print name Kurt Fa	grelius E-	kfagrelius mail address:	Oduganproduction.com Telephone No. 505-325-
(This space for State use)		P04144 At	Para.
APPPROVED BY	TIT	LE CIL & GAS INDIFECT	CR, DIST. DATE C - 7 200 A
Conditions of approval, if any:	Mode		

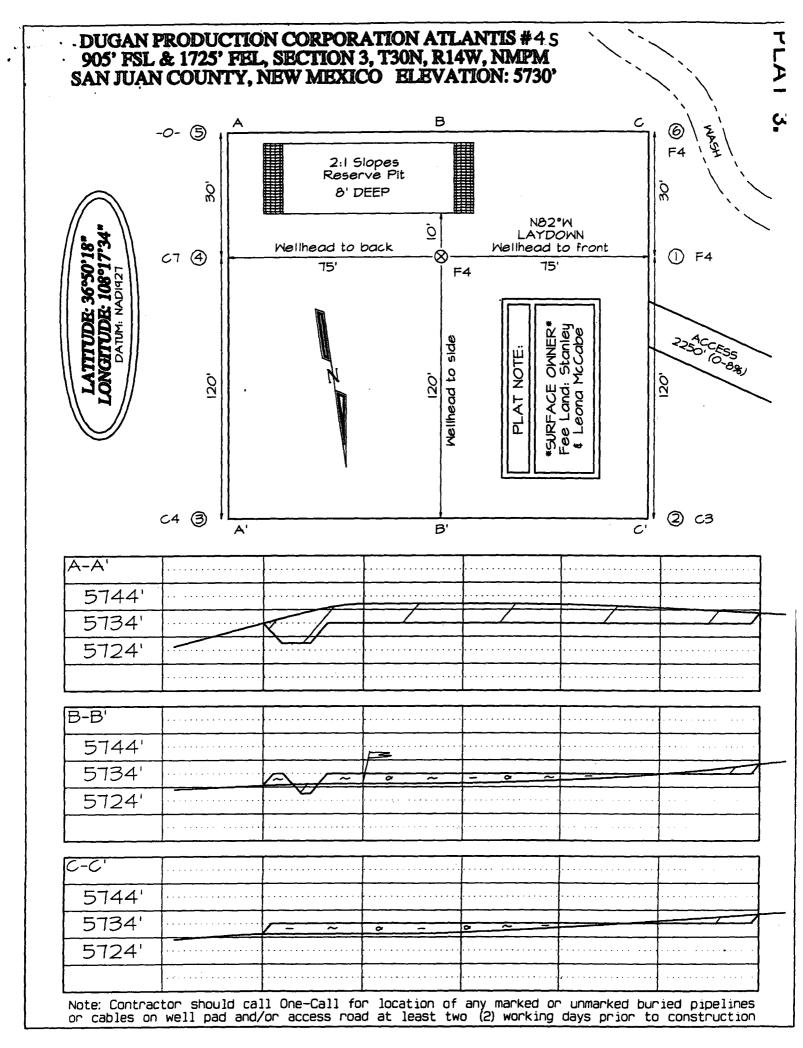


EXHIBIT B OPERATIONS PLAN

Atlantis Com #4-S

APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	1370′
Fruitland	945′	Total Depth	1520'

Catch samples every 10 feet from 1100 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
12-1/4"	8-5/ 8"	24#	120'	J-55
7"	5-1/2"	14#	1520′	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. 5-1/2", 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 80 cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage-Cement with 150 cf 2%Lodense with

/# celloflake/sx followed by 75 cf Class "B" with
/# celloflake/sx.

Total cement slurry for production stage is 225 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	