JUN 2008 Form 31603 ON DIST 3 UNITED STATES DEPARTMENT OF THE I	INTERIOR 070 F	H AT RECEIV	FORM OMB N	NM-0206994	-
la. Type of work: DRILL REENTE	· · · · · · · · · · · · · · · · · · ·	2— <u>1—</u> 1—1	7 If Unit or CA Agre	sement, Name and No.	-
la. Type of work: DRILLREENT			8. Lease Name and	Well No	-
ib. Type of Well: Oil Well Gas Well Other	Single Zone Muh	iple Zone	Jaco	bs Com #90	-
Name of Operator Dugan Production Corp.			9. API Well No. 30-0	145-33683)
3a. Address 709 East Murray Drive, Farmington, NM	3b. Phone No. (include area code)		10. Field and Pool, or	Exploratory	-
87401 A. Location of Well (Report Invation clearly and in accordance with an	505-325-1821		11. Sec., T. R. M. or E	Coal/Harpe	r P.C
At surface 1915' FNL & 1920' FWL Lat At proposed prod. zone Same as above				T30N, R14W	
			12. County or Parish	13. State	•
14. Distance in miles and direction from nearest town or post office. Approx. 4-miles north of Farmi	,		San Juan	NM	•
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of acres in lease 400-Acres	NE/4 S		well S.25 (320.0) acres) [(-/	
18. Distance from proposed location* to nearest well, drilling, completed, Approx. 450' applied for, on this lesse, ft.	19. Proposed Depth 1340-Ft.		BIA Bond No. on file		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL-5494'	22. Approximate date work will st ASAP	art*	23 Estimated duration 5-days		•
GE 5151	24. Attachments		1	·	•
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No.1, shall be	attached to th	is form:		•
 Well plat certified by a registered surveyor. A Drilling Plan. 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 certifi 6. Such other site authorized offi	cation specific info	ns unless covered by an	existing bond on file (see	
25. Signature Surt Famelin	Name (Printed/Typed)	rt Fagi	relius	Date March 28,	2006
Title Geology					
Approved by (Signature) Original Signed: Stephen Mason	Name (Printed/Typed)			Date IIIAI 2 + 200	ne
Tide Stephen Mason	Office			JUN 2 ; 201	סנ
Application approval does not warrant or certify that the applicant holds conduct operations thereon. Conditions of approval, if any, are attached.	legal or equitable title to those righ	its in the sub	ect lease which would en	nutle the applicant to	
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	me for any person knowingly and on any matter within its jurisdiction.	villfully to m	ake to any department or	agency of the United	
*(Instructions on page 2)	1/				

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, Fruitland Sand and Pictured Cliffs Sand will be perforated and completed. The interval will be fractured.



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

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

Form C-102 Revised February 21, 1994 Instructions on back

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504 2088

State Lease - 4 Copies

4 69 50 Fee Lease - 3 Copies

RECEIVED ___ AMENDED REPORT

OTO FARMINCTON 1114

WELL LOCATION AND ACREAGE DEDICATION PLAT

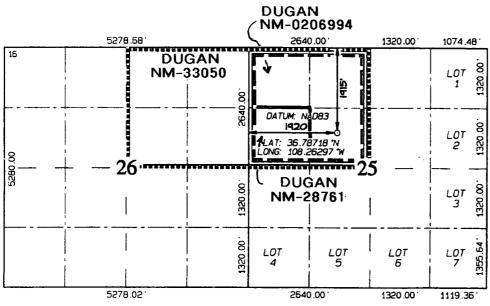
'API Number	'Pool	Code	Pool Name	
30-045-33	1683 78160 -	71629	HARPER HILL FRUITLAND SAND PICTURED CLIFFS - BA	SIN FRUITLAND COAL
'Property Code			*Property Name	*Well Number
28011			JACOBS COM	905
'OGRID No.			*Operator Name	*Elevation
006515		DUG	AN PRODUCTION CORPORATION	5494 ·

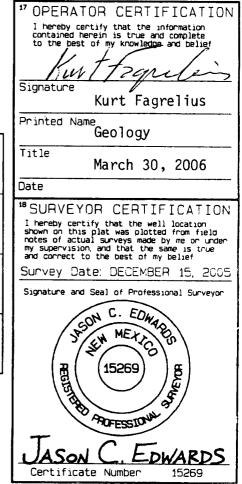
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	25	30N	14W		1915	NORTH	1920	WEST	SAN JUAN
¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Sect ion	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

	Acres - Acres -		¹³ Joint or Infill	⁵⁴ Consolidation Code	⁵⁵ Order No.	11461 - nsp	

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





Submit 3 Copies To Appropriate District State of New Mexico	Form C-103
Office District I Energy, Minerals and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II	WELL API NO. 30-045-33683
1301 W. Grand Ave., Artesia, NM 88210 District III 1220 South St. Francis Dr.	5. Indicate Type of Lease Federa XX
1000 Rio Brazos Rd., Aztec, NM 87410 District IV Santa Fe, NM 87505	STATE FEE 6. State Oil & Gas Lease No.
1220 S. Francis Dr., Santa Fe, NM 87505	Federal NM-0206994
SUNDRY NOTICES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH	Jacobs Com
PROPOSALS.) 1. Type of Well: Oil Well	8. Well Number 90-S
2. Name of Operator Dugan Production Corp.	9. OGRID Number 006515
3. Address of Operator 709 East Murray Drive	10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location Linit Letter F . 1915 feet from the north line and	Harper Hill Fruitland P.C.
Unit Letter F : 1915 feet from the NOTTH line and Section 25 Township 30N Range 14W	NMPM feet from the County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, et	
GL-5494 ^k Pit or Below-grade Tank Application ⊠ or Closure □	一 上 上 表 中 4 证
Pit type DrillingDepth to Groundwater 100 Distance from nearest fresh water well 1000 D	stance from nearest surface water 200
1 : • • •	Construction Material Synthetic
12. Check Appropriate Box to Indicate Nature of Notice	, Report or Other Data
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WO	BSEQUENT REPORT OF: RK
PULL OR ALTER CASING	NT JOB
отнея: Reserve pit for drilling (lined) ☒ отнея:	
13. Describe proposed or completed operations. (Clearly state all pertinent details, a of starting any proposed work). SEE RULE 1103. For Multiple Completions: A or recompletion.	nd give pertinent dates, including estimated date attach wellbore diagram of proposed completion
A water based gel-mud will be used to drill surface Standard 2,000 psi BOP will be used to drill produced Coal, Fruitland Sand and Pictured Cliffs Sand will approximately 850' - 1200'. The interval will be	ction hole. The Fruitland be completed from
	,
I hereby certify that the information above is true and complete to the best of my knowled	ge and belief. I further certify that any pit or below-
grade tank has been/will be constructed or closed according to NMOCD guidelines [3], a general permit [or an (attached) alternative OCD-approved plan
SIGNATURE / Sur / Tagar TITLE Geology	DATE 3/26/2006
Type or print name Kurt Fagrelius kfagrelius@duganproducti For State Use Only	On . com Telephone No. 325-1821
APPROVED BY: TITLE TITLE	PECTOR, DIST. & DATE JUN 2 6 2006

APPROVED BY:
Conditions of Approval (if any):

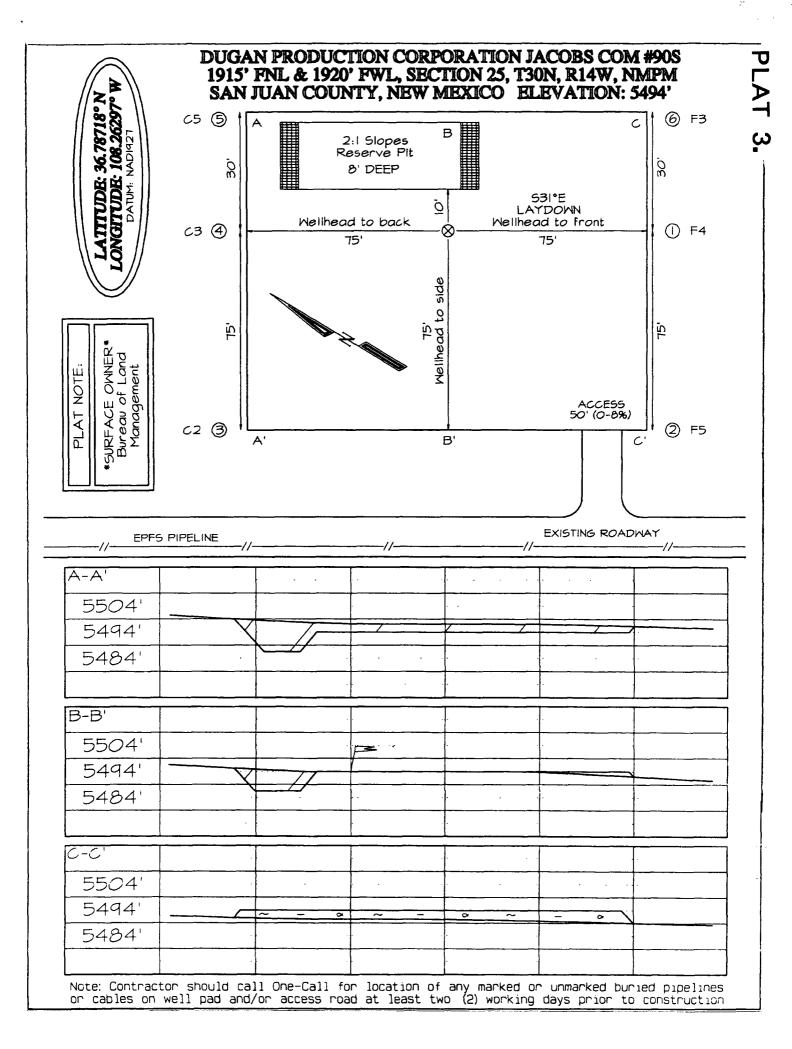


EXHIBIT B OPERATIONS PLAN Jacobs Com #90-S

APPROXIMATE FORMATION TOPS:

Total Depth	1340′
Pictured Cliffs	1184′
Fruitland	775′
Kirtland	Surface

Catch samples every 10 feet from 900 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
11"	8-5/8"	20#	120'	J-55
7"	5-1/2"	14#	1340′	J-55

Plan to drill a 11" hole and set 120' of 8-5/8" OD, 20#, J-55 surface casing. Then plan to drill a 7" hole to total depth with gel-water mud program to test the Fruitland Coal, Fruitland Sand and Pictured Cliffs Sand. 5-1/2", 14#, J-55 production casing will be run and cemented. Cased hole GR-CCL-CNL log will be run. Productive zones will be perforated and fractured. After frac, the well will be cleaned out and production equipment will be installed.

CEMENTING PROGRAM:

<u>Surface</u>: Cement to surface with 70 cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage-Cement with 140 cf 2%lodense with

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

%# celloflake/sx.

Total cement slurry for production stage is 215 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.

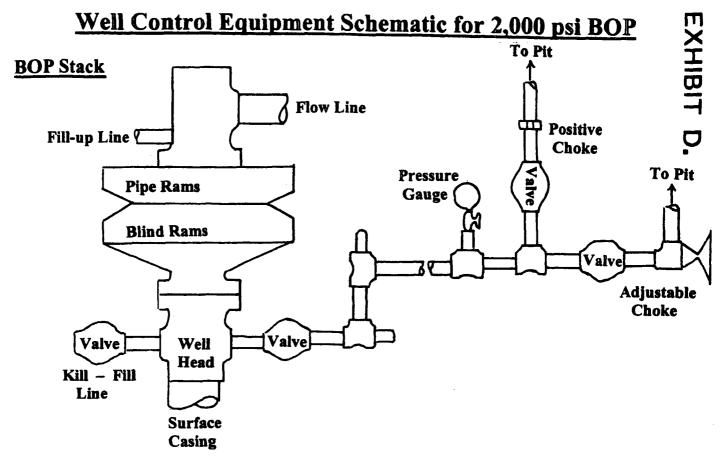
2" minimum choke line.

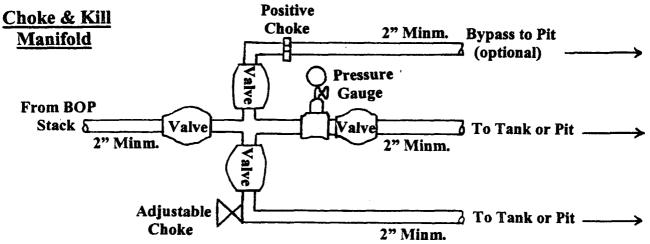
Fill-up line.

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	. ,





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

DUGAN PRODUCTION CORP. JACOBS COM #90-S