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DEPARTMEN BUREAU O	F LAND
APPLICATION FOR	DERMIT

UNITED STATES AUG 24 PM 9 CONTROL DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT CEIVED

FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007

5. Lease Serial No.

NM-96800

OD DEENTED	6. If Indian, Allotes or Tribe Name
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APPLICATION FOR PERMIT TO	DUIT ON	HEENTER		,		
a. Type of work: DRILL REENTE	ir			7 If Unit or CA Agre	ement, Name and No.	_
b. Type of Well: Oil Well Gas Well Other	Sin	igle Zone Multip	ole Zone	8. Lease Name and Little J	Well No. oe Com #90	
Name of Operator Dugan Production Corp.				9. API Well No. 30-045-	333/1	
la. Address 709 East Murray Drive, Farmington, NM 87401	3b. Phone No. 505-325	(Include area code) 5-1821		10. Field and Pool, or Basin Fr	Exploratory ruitland Coa	al
Location of Well (Report Irration clearly and in accordance with an	• •	•		11. Sec., T. R. M. or B	ilk and Survey or Area	
At surface 1700' FNL & 990' FEL, Lat At proposed prod. zone Same as above	36.134	5, Long 10	7.5803	₩Sec. 14,	T23N, R11V	W
4. Distance in miles and direction from nearest town or post office*		D 1 NW		12. County or Parish	13. State	
Approx. 13 miles SW of Blanco			- e- ·	Sen Juan	NM.	
Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of ac	00.00 Ac.	•	g Unit dedicated to this v 2-320 Acres		
8. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2300'	19. Proposed	Depth O Feet	20. BLM/I	BIA Bond No. on file		
i. Elevations (Show whether DF, KDB, RT, GL, etc.) GL = 6307, action is subject to technical and	ASA	nate date work will star	t _e	23. Estimated duration 3 - Days	٥	
procedural review pursuant to 43 CFR 316 and appeal pursuant to 43 CFR 3165.4 he following, completed in accordance with the requirements of Onshor			tached to the	s forme SUBJECT TO	PERATIONS AUTHO	
. Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover the Item 20 above).	ne operation	"GENERAL I as unless covered by an	REQUIREMENTS*. existing bond on file (see
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 offic	specific info	rmation and/or plans as	may be required by th	e
5. Signature Kurt Faquetin	Name	<i>(Printed/Typed)</i> Ku	rt Fag	grelius	Date 8-23-05	
Geology .						
pproved by (Signation)	Name	(Printed/Typed)			Date // // // // // // // // // // // // //	フ くさ
itle AFM	Office	FFO				_
onduct operations thereon.	a legal or equita	able title to those right	s in the subj	ect lease which would en	atitle the applicant to	_
Application approval does not warrant or certify that the applicant hold onduct operations thereon. Conditions of approval, if any, are attached. itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a creates any false, fictitious or fraudulent statements or representations as to	ime for any ne	rian knowingly and w				_

*(Instructions on page 2)

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 500' - 550'. The interval will be fractured.

1

NMOCD

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

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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

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

Submit to Appropriate District Office

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

State Lease - 4 Copies Fee Lease - 3 Copies

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

PO Box 2088 Santa Fe, NM 87504-2088

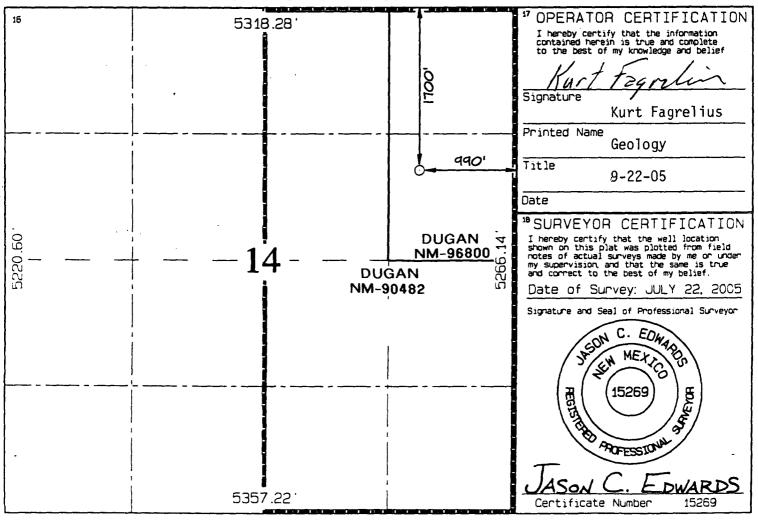
AMENDED REPORT

RECEIVED A 15 1 1 WELL LOCATION AND ACREAGE DEDIGATION PLAT

'API Number 30-045-33	1	*Pool Code 71629	Pool Name BASIN FRUITLAND C	OAL
Property Code 35259			operty Name _E JOE COM	Well Number 90
OGRID No. 006515			erator Name ICTION CORPORATION	*Elevation

¹⁰ Surface Location County UL or lot no. Sect ion Township Range Lot Idn Feet from the North/South line Feet from the East/West line EAST SAN JUAN 14 **23N** 11W 1700 NORTH 990 Н ¹¹Bottom Hole Location Different From Surface County UL or lot no. Sect ion Range Lot Ion North/South line East/West line Feet from the 12 Dedicated Acres 13 Joint or Infill M Consolidation Code ²⁵ 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



Office	of New Mexico			rorm (
District I Energy, Miner	als and Natural Resou	rces WELL AI	PLNO	March	4, 2004
.1625 N. French Dr., Hobbs, NM 88240 District II		{	30)-045-333	317
1301 W. Grand Ave., Artesia, NM 88210 OIL CONSE	RVATION DIVISI	ON 5. Indicat	e Type of	Lease Federal	XX
1000 Bir Durang Pd Agtec NIM 97/110	uth St. Francis Dr.	ST	ATE 📗	FEE	
District IV Santa	Fe, NM 87505		il & Gas I		
1220 S. St. Francis Dr., Santa Fe, NM 87505		Feder	al NM-9	90482	
SUNDRY NOTICES AND REPORTS		,	Name or U	Init Agreement N	ame
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO I DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (F		OA littl	e Joe (Com	1
PROPOSALS.)		8. Well N			
1. Type of Well: Oil Well Gas Well XX Other			diffect		
		90	N. N. T 1	· · · · · · · · · · · · · · · · · · ·	
2. Name of Operator Dugan Production Corp.		9. OGRII 00651			
3. Address of Operator			name or W	'ildcat	
709 East Murray Drive,	Farmington, NM	Basir	Fruit	land Coal	
4. Well Location					
Unit Letter H: 1700 feet from t	the north line	and 990	feet from	the east	_line
Section 14 Township	23N Range 11W	NMPM	(County	j
11. Elevation (Show	whether DR, RKB, RT	GR, etc.)			
Pit or Below-grade Tank Application (For pit or below-grade tank	closures a form C-144 must	he attached)		~ ~ ~	001
Pit Location: UL H Sect 14Twp 23N Rng 11W Pit type	orilling Denth to Grou	indwater 00' Distanc	e from nears	est fresh water well	-1-Mi
Distance from nearest surface water 300 Below-grade Tank					
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APPPROVED BY
Conditions of approvat, if any:

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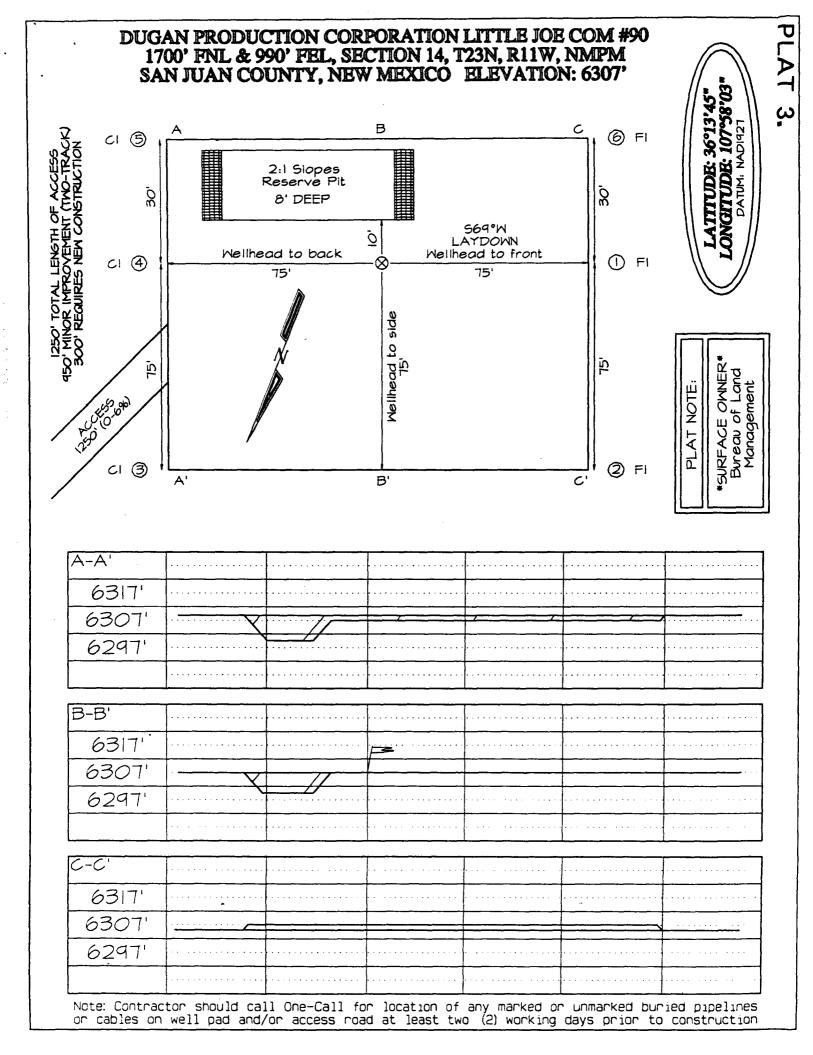


EXHIBIT B OPERATIONS PLAN Little Joe Com #90

APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	550 ′
Fruitland	200′	Total Depth	7001

Catch samples every 10 feet from 350 feet to 700 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#	700 <i>'</i>	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 70 cf Class B + 2% CaCl₂. Circulate to surface.

Production Stage-Cement with 60 cf 2%Lodense with %# celloflake/sx followed by 40 cf Class "B" with %# 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.

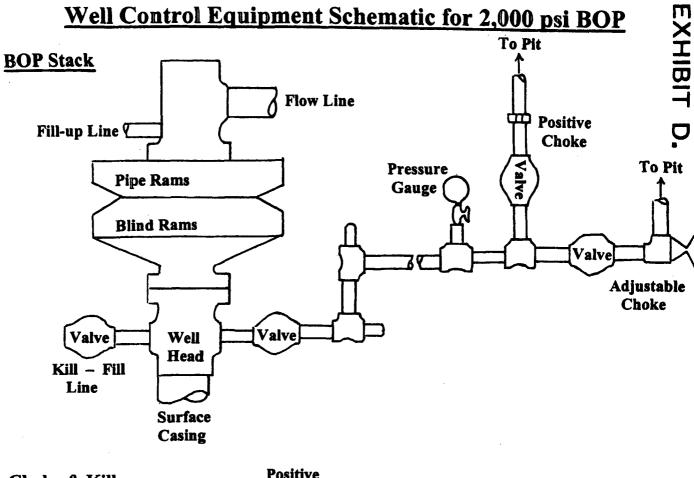
2" minimum choke line.

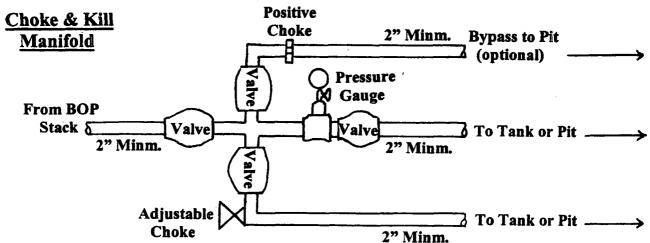
Fill-up line.

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	





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

DUGAN PRODUCTION CORP. LITTLE JOE COM #90