

APPLICATION FOR PERMIT TO BRILL OR REENTER

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENTO EIVED

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

5. Lease Serial No. NM-90482

6. If Indian, Allotee or Tribe Name

THE RESERVE TO THE PARTY OF THE	MAN Section 1			
Type of work: DRILL REENTER			7 If Unit or CA Agreement, Name and No.	
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multip	ole Zone	Lease Name and W	
2. Name of Operator Dugan Production Corp.		9.	API Well No. 30-045	3 <i>3</i> 3//
3a. Address 709 East Murray Drive, Farmington, NM 87401	36. Phone No. (Include area code) 505-325-1821	10.	Field and Pool, or Ex	<del>plomory</del> ruitland Coa
4. Location of Well (Report Irration clearly and in accordance with at	ty State regidraments.*)	11.	Sec., T. R. M. or Blk	
At surface 990 'FSL & 1200 FWL, Lat At proposed prod. zone Same as above	. 36.1319, Long.	107.5842	<b>η</b> Sec. 14,	T23N, R11W
14. Distance in miles and direction from nearest town or post office.  Approx. 13-miles SW of Blanc	o Trading Post, N		. County or Parish San Juan	13. State NM
15. Distance from proposed* location to nearest 990 Feet property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of acres in lease 880.00 Ac.	1	it dedicated to this we 2-320 acre	
<ol> <li>Distance from proposed location*         to nearest well, drilling, completed, Approx. 2300'         applied for, on this lease, ft.</li> </ol>	19. Proposed Depth 630	20. BLM/BIA	Bond No. on file	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) This action is subject to technical and	22. Approximate date work will star ASAP		Estimated duration 3-days	
procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	24. Attachments	208	IECT TO COMPLIA	S AUTHORIZED ARE NCE WITH ATTACHE
The following, completed in accordance with the requirements of Onsho  1. Well plat certified by a registered surveyor.				kisting bond on file (see
<ol> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office).</li> </ol>	Lands, the 5. Operator certific	specific informa	ion and/or plans as n	may be required by the
25. Signature Hart Fzandin	Name (Printed/Typed) Kur	t Fagrel		8-23-05
Geology	<del></del>			
Approved by (Signature) Manke Cop	Name (Printed/Typed)	<del></del>	Ē	hate 11/16/6
Title AFM	Office			
Application approval does not warrant or certify that the applicant hold onduct operations thereon. Conditions of approval, if any, are attached.	s legal or equitable title to those right	s in the subject le	ase which would enti	tle the applicant to
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr	rime for any person knowingly and wi	ilifully to make t	o any department or a	gency of the United

\*(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 425' - 475'. The interval will be fractured.

NMOCD

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

District II
PD 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

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	LOCAT	ON AND A	CREAGE DEDI	CATION PL	.AT		
					6 24 PM BA	7	_	DAL	
ode 9	Property Name Well Number				91				
). j			*Operation Name************************************				levation 6265 '		
Section 14	Z3N	11W	Lot. Idn	Feet from the	North/South line SOUTH	Feet from the 1200			SAN JUAN
		Bottom	Hole L	ocation I					
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	st line	County
32 Dedicated Acres 320.0 ACRES - (W/2) 33 Joint or Infill A Consolidation Code 55 Order No.									
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									
DUC	GAN		318.28	· · · · · · · · · · · · · · · · · · ·		17 OPER I hereby containe		CERTI	FICATION
	Section 14 Section 320 BLE W.	Section Township 14 23N  11 E  Section Township 320.0 Acre BLE WILL BE A	Section Township Range 14 23N 11W  11 Bottom Section Township Range  320.0 Acres - (W  BLE WILL BE ASSIGNED OR A NON-ST	Section Township Range Lot Idn  14 23N 11W  11 Bottom Hole L  Section Township Range Lot Idn  20.0 Acres - (W/2)  BLE WILL BE ASSIGNED TO THE OR A NON-STANDARD  DUGAN  5318 28	Pool Code 71629  The property Code The property The property Code The property T	Pool Code 71629  Property Name LITTLE JOECHYED DUGAN PRODUCTION CORPORATI  10 Surface Location Section Township Range Lot Ion Feet from the North/South line 14 23N 11W 990 SOUTH  11 Bottom Hole Location If Different Section Township Range Lot Ion Feet from the North/South line 320.0 Acres - (W/2)  BLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL OR A NON-STANDARD UNIT HAS BEEN APPROVED	Pool Code 71629  Property Name LITTLE JOE EVED  ODERATION  10 Surface Location  Section Township Range Lot Idn Feet from the North/South line Feet from the North/South line Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Section Township Range Lot Idn Feet from the North/South line Feet from the Nor	Pool Code 71629  Property Name LITTLE JOE LIVED  DUGAN PRODUCTION CORPORATION  10 Surface Location  Section Township Range Lot ich Feet from the North/South line Feet from the South 1200 WE  11 Bottom Hole Location If Different From Surface  Section Township Range Lot ich Feet from the North/South line Feet from the East/Me  1200 WE  1320.0 Acres - (W/2)  BLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BE OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION  DUGAN 5318 28:  17 OPERATOR	Number   Pool Code   Property Name   Pool Name   Property Na

Title 9-22-05 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. 5220.60 Date of Survey: AUGUST 5, 2005 Signature and Seal of Professional Surveyor SEON C. EOWARD MEXICO ZEW FEGISITERS PROFESSIONAL 1200 990, 5357.22 Certificate Number 15269

Office • Energy, Minerals and Natural Resources	Form C-103
District	WELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II	30-045- 3331(
1301 W. Grand Ave., Artesia, NM 88210  OIL CONSERVATION DIVISION 1320 South St. Formula Division	5. Indicate Type of Lease Federal XX
District III 1220 South St. Francis Dr.	STATE FEE
District IV Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM	6. State Oil & Gas Lease No. Federal Lease NM-90482
87505 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	Little Joe
PROPOSALS.)	8. Well Number
1. Type of Well: Oil Well Gas Well Other	91
2. Name of Operator Dugan Production Corp.	9. OGRID Number 006515
3. Address of Operator 709 East Murray Drive, Farmington, NM	10. Pool name or Wildcat Basin Fruitland Coal
4. Well Location	urciana coar
Unit Letter M: 990 feet from the south line and	1200 feet from the west line
	feet from the line
Section 14 Township 23N Range 11W	NMPM County
11. Elevation (Show whether DR, RKB, RT, GR, etc. GL-6265.	
Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 must be attace Pit Location: UL M Sect 14 Twp 23N Rng 11W Pit type Drilling Depth to Groundwater Distance from nearest surface water 450 Below-grade Tank Location UL Sect Two	hed) >100' >1990'
Pit Location: UL Sect 14 Twp 2511 Rng 1111 Pit type 5111119 Depth to Groundwater	Distance from nearest fresh water well
	vp;
feet from theline andfeet from theline	
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<del></del>	
12. Check Appropriate Box to Indicate Nature of Notice	
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	BSEQUENT REPORT OF:
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# EXHIBIT B OPERATIONS PLAN Little Joe #91

#### APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	480′
Fruitland	165′	Total Depth	630′

Catch samples every 10 feet from 350 feet to 630 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"	<del>8-5/</del> 8"	24#	120'	J-55
7"	5-1/2"	14#	630 <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% CaCl<sub>2</sub>. Circulate to surface.

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

1/# 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.

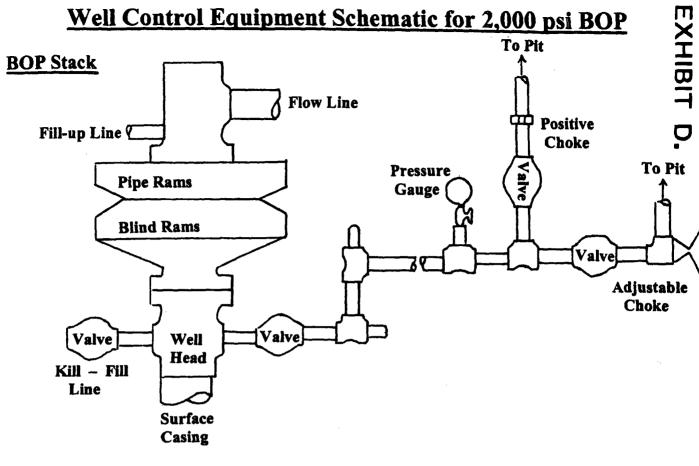
2" minimum choke line.

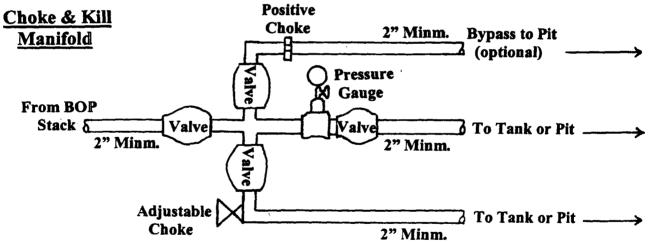
Fill-up line.

#### 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 #91