

OIL CONS. DIV.

UNITED STATES OF AUG 24 FT 4 C2

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

6. If Indian, Allotee or Tribe Name

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENTRECEIVED

Lease Serial No. NM-90482

APPLICATION FOR PERMIT TO DRILL OR REENTER

la.	Type of work: DRILL REENTE	R	7 If Unit or CA Agreement, Name and No.
lb.	Type of Well: Oil Well Gas Well Other	Single Zone Multip	8. Lease Name and Well No. Little Joe #91-S
2	Name of Operator Dugan Production Corp.		9. API Well No. 30-045-33318
3a.	Address 709 East Murray Drive, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-1821	10. Field and Pool, or Exploratory Basin Fruitland Coal
4	Location of Well (Report Invation clearly and in accordance with any At surface 1800' FNL & 1000' FWL, Lat At proposed prod. zone Same as above		11. Sec., T. R. M. or Blk and Survey or Area. 7.5844 Sec. 14, T23N, R11W
4.	Distance in miles and direction from nearest town or post office. Approx. 13 miles SW of Blanco	Trading Post	12. County or Parish 13. State Sam Juan NM
5.	Distance from proposed* location to nearest 1000 Feet property or lease line, ft. (Also to nearest drig, unit line, if any)	16. No. of acres in lease 880.00 Acres	17. Spacing Unit dedicated to this well W/2-320 acres
18.	Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2300	19. Proposed Depth 680	20. BLM/BIA Bond No. on file
	Elevations (Show whether DF, KDB, RT, GL, etc.) This action is subject to technical and	22. Approximate date work will star ASAP	3-Days
	procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	24. Attachments	OUD FOR TO COMPLIANCE WILL AT INC.
The	and appeal pursuant to 43 CFR 3165.4 following, completed in accordance with the requirements of Onshor Well plat certified by a registered surveyor.	e Oil and Gas Order No.1, shall be at	PENEDAL PENLIREMENTS.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

5. Operator certification

Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature Name (Printed/Typed) 8-23-05 Kurt Fagrelius Title Geology Approved by Sign Name (Printed/Typed)

Office

Application approval does not warrant 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.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. 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 fraudulent statements or representations as to any matter within its jurisdiction.

*(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 465' - 525'. The interval will be fractured.



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

State of New Mexico Energy, Minerals & Natural Resources Department

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

Submit to Appropriate District Office OTL CONSERVATION DIVISION

State Lease - 4 Copies Fee Lease - 3 Copies

PO Drawer DD, Artesia, NM 88211-0719

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

PO Box 2088 Santa Fe, NM 8750442088 4 (2

AMENDED REPORT

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

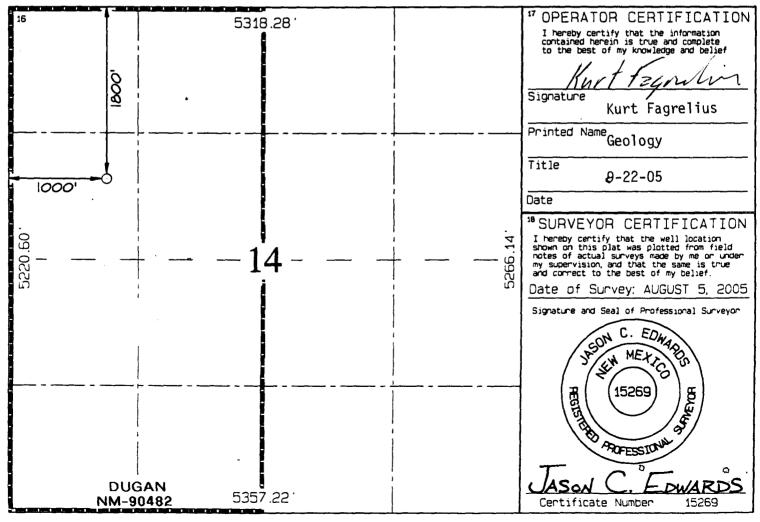
RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	'Pool Name	
30-046-33318	71629	BASIN FRUITLAND	
Property Code 18 999		roperty Name ITTLE JOE	Well Number 91S
'OGRID No. 006515		perator Name UCTION CORPORATION	*Elevation 6286

10 Surface Location County Feet from the North/South line East/West line UL or lot no. Section Township Range Lot Idn Feet from the Ε **23N** NORTH 1000 WEST SAN JUAN 14 11W 1800 ¹¹Bottom Hole From Surface Different Location UL or lot no. Lot Idn North/South line Feet from the County Section Feet from the East/West line Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No. 320.0 Acres - (W/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 District I			XICO			Form C-	
	Energy, Minerals a	and Natu	ral Resources	WELL ADI	NIO	March 4,	2004
1625 N. French Dr., Hobbs, NM 88240 District II	ict II W. Grand Ave., Artesia, NM 88210 OIL CONSERVATION DIVISION 1220 South St. Francis Dr.			WELL API NO. 30-045- 33318		8	
1301 W. Grand Ave., Artesia, NM 88210				5. Indicate		of Lease Federal	
District III 1000 Rio Brazos Rd., Aztec, NM 87410				STA	TE_	FÉE !	^^
District IV	Santa Fe	, NM 87	7505	6. State Oi	l & G	as Lease No.	
1220 S. St. Francis Dr., Santa Fe, NM 87505				Federal NM-90482			İ
SUNDRY NOTICES AND REPORTS ON WELLS (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 PROPOSALS.) 1. Type of Well:				7. Lease N	ame (or Unit Agreement Nan	ne
				Little	e Jo	е	İ
				8. Well Nu	mber		į
Oil Well Gas Well XX	Other	·		91-S			
2. Name of Operator Dugan Pro	oduction Corp.			9. OGRID Number 006515			
3. Address of Operator 709 Eas	t Murray Drive, Fa	arming	ton, NM	10. Pool na Basin		r Wildcat itland Coal	
4. Well Location				<u> </u>			
	1900	north	1	000 .		. west	.
Unit Letter E :	teet from the _	1101 (11	line and	fe	et fro	om theli	ine
Section 14			inge 11W			County	
	11. Elevation (Show who	ether DR,	RKB, RT, GR, etc.)			
Pit or Below-grade Tank Application (For						>100	201
Pit or Below-grade Tank Application (For Pit Location: UL E Sect 14 Twp 2	3N Rng 11W Pit type Dri	lling _D	epth to Groundwater 4	65 7/00 Distance	from n	learest fresh water well	-Mi∤.
Distance from nearest surface water 10							
feet from theline and							
12 Check A	ppropriate Box to Inc	licate N	ature of Notice	Report or C	N/1	D .	
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APPPROVED BY
Conditions of approval, if any:

THE

DATE NOV 1 5 2005

1800' FNL & 1000' FWL, SECTION 14, T23N, R11W, NMPM SAN JUAN COUNTY, NEW MEXICO ELEVATION: 6286' В 6 01 FI (5) 2:1 Slopes Reserve Pit 30 8' DEEP NII°W <u>ō</u> LAYDOWN Wellhead to front Wellhead to back FI (4) ◑ CI 75' 75' side ACCESS 2400' (0-6%) Wellhead to 15 *-0-* ③ 2 01 B' A-A' 6296' 6286' 6276' m m 6296' 6286' 6276' C-C 6296' 6286' 6276 Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

DUGAN PRODUCTION CORPORATION LITTLE JOE #91S

EXHIBIT B OPERATIONS PLAN

Little Joe Com #91-S

APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	525 <i>'</i>
Fruitland	150′	Total Depth	680 <i>*</i>

Catch samples every 10 feet from 350 feet to 680 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#	680 <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.

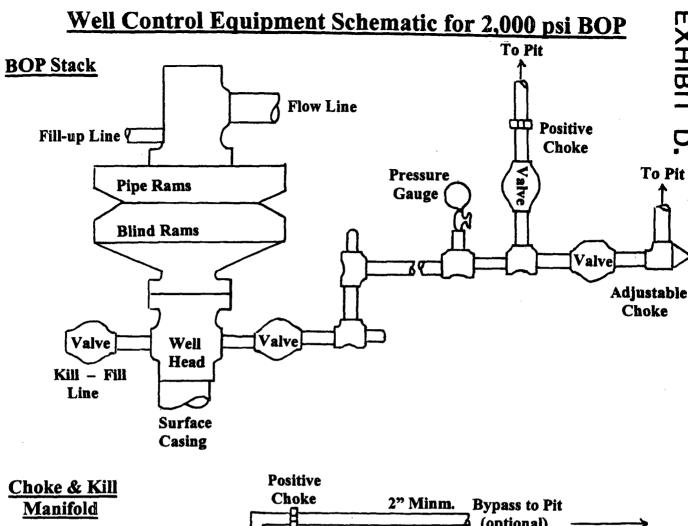
2" minimum choke line.

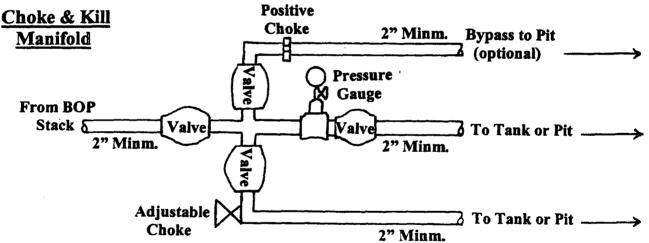
Fill-up line.

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	1 1





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

DUGAN PRODUCTION CORP. LITTLE JOE #91-S