



Ib. Type of Well: Oil Well		
BUREAU OF LAND MANAGEMENT APPLICATION FOR PERMIT TO DRILL OR REENTER 1a. Type of work: DRILL REENTER 1b. Type of work: DRILL Green Multiple Zone Multiple Zone Little Joe Com 2 Name of Operator Dugan Production Corp. 3a. Address 709 East Murray Drive, Farmington, NM 556-325-1821 4. Location of Well (Report Irration Clearly and in accordance with any Sale requirements 9 At surface 1500 'FSL & 1500 'FEL, Lat. 36.13.25, Long, 107.5810 At proposed prod. zone Same as above 14. Distance in miles and direction from nearest town or post officer Approx. 13 miles SW of Blanco Trading Post, NM 15. Distance from proposed location* 16. No. of acres in lease property or lease line, f. [Also to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 2700 'B. Proposed Depth 16. No. of acres in lease 17. Spacing Unit dedicated to this well E/2-320 acres 18. Distance from proposed location* 19. Proposed Depth 20. BLM/BIA Bond No. on file 21. Elevations (Show whether DF, KDB, RT, Gtl, etc.) GL-6313 This action is subject to technical and processory and applied for, on this lease, ft. GNO ACRES 19. Proposed Depth ASAP 21. Elevations (Show whether DF, KDB, RT, Gtl, etc.) GL-6313 This action is subject to technical and processory and applied for, on this lease, ft. GNO ACRES 19. Proposed Depth ASAP 21. Elevations (Show whether DF, KDB, RT, Gtl, etc.) ASAP 22. Approximate date work will start* ASAP 23. Estimated furnation 3 - Galy'S DRILLING OPERATIONS A CHERAL REQUIREMENT 4. Bond to cover the operations unless covered by an existing bond or leave of lease of lease of leave	OMB No. 1004-0137 Expires March 31 2007	2005 Form 3 40-3 (ASH 2004) SI N.S. DIV. SI UNITED STATES
APPLICATION FOR PERMIT TO DRILL OR REENTER 1s. Type of work: DRILL REENTER 1s. Type of work: DRILL REENTER 1s. Type of well: Oil Well Gas Well Other Single Zone Multiple Zone Little Joe Com 2 Name of Operator Dugan Production Corp. 3a. Address 709 East Murray Drive, Farmington, NM 5b. Phone No. (bothade area code) 57401 4. Location of Well (Report levation clearly and in accordance with any State requirement.) At surface 1500' FSL & 1500' FEL, Lat. 36.13.25, Long, 107.5810 At proposed prod. zone Same as above 14. Distance in miles and direction from nearest town or post office? Approx. 13 miles SW of Blanco Trading Post, NM 15. Distance from proposed? In Distance from proposed? In Distance from proposed location? In Distance f	5. Lease Serial No.	T.S DEPARTMENT OF THE INTERIOR
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Name of Operator Dugan Production Corp. 9. API Well No. 30-045-331 Address 709 East Murray Drive, Farmington, NM 3b. Phone No. (include area code) 10. Field and Pool, or Exploratory Bas in Fruitland Location of Well (Report Irration clearly and in accordance with any State requirement.*) 11. Sec., T. R. M. or Blk and Survey or At surface 1500' FSL & 1500' FEL, Lat. 36.13.25, Long, 107.5810 Sec. 14, T23N, F. At proposed prod. zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or At proposed prod. Zone Same as above 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 12. County or Parish 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 13. Sec., T. R. M. or Blk and Survey or 14. Sec., T. R. or Blk and Survey or 14. Sec., T. R. or Blk and Survey or 14. Sec., T. R. or Blk and Survey or 14. Sec., T.		b. Type of Well: Oil Well Gas Well Other Single Zone N
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10	Fagrelius Date 8-23-05	Buil Egnin
Geology	/ .	Geology
pproved by (Signature) Name (Printed/Typed) Date 11/	Date /1 /15/03	
itie AFM Office FFO		ide AFM Office FFO
pplication 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 holds operations thereon.	the subject lease which would entitle the applicant to	

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 475' - 530'. The interval will be fractured.

NWOCD

District I PO Box 1980, Hobbs, NM 88241-1980 State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer DO, Artesia, NM 88211-0719 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

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

Santa Fe, NM 87504-2088 PM 4 00

MENDED REPORT

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

12 Dedicated Acres

RECEIVED

¹⁵ Order No.

WELL LOCATION AND ACREAGE DEDICATION PLAT

			WELL	LOCAT]	ON AND A	CREKGE) DEDI	CATION PL	AT.		
'API Number			*Pool Cod	е		Pool Nam	e			
30-045-33310			71629		BASIN FRUITLAND COAL					
Property			Property Name LITTLE JOE COM					11 Number 905		
OGRID N 00651		*Operator Name DUGAN PRODUCTION CORPORATION					_	levation 5313'		
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
J	14	23N	11W		1500	SOUTH	1500	EAST	•	SAN JUAN
¹¹ Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	lane	County

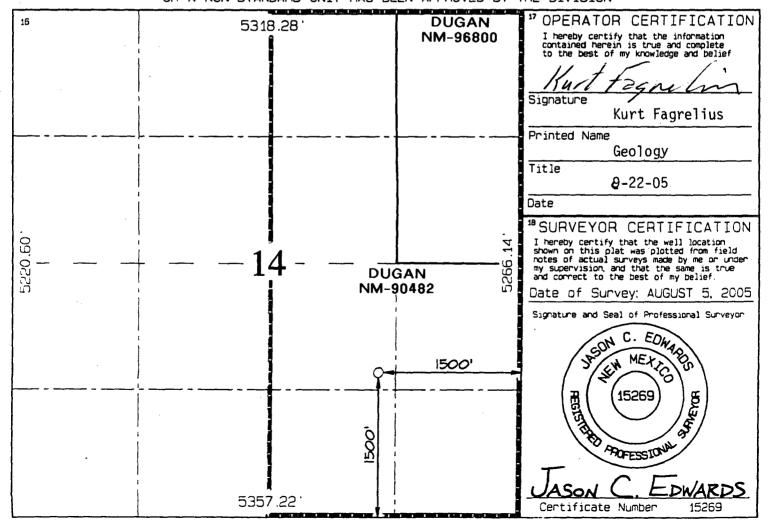
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

M Consolidation Code

13 Joint or Infill

(E/2)

320.0 Acres -



Office State of New Mexico	FOIH C-103
District 1 1625 N. French Dr., Hobbs, NM 88240 Energy, Minerals and Natural Re	WELL APLNO
District II 130 W. Grand Ave. Artesia, NM 88210 OIL CONSERVATION DIV	30-045- 33310
District III 1220 South St. Francis I	5. Indicate Type of Leas Federal Lease
1220 South St. Francis L 1000 Rio Brazos Rd., Aztec, NM 87410 Dietrier IV Santa Fe, NM 87505	STATE TEE
District IV 1220 S. St. Francis Dr., Santa Fe, NM	6. State Oil & Gas Lease No.
87505	Federal Lease No. NM-90482
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 BAC DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUC PROPOSALS.)	
1. Type of Well:	8. Well Number
Oil Well Gas Well XX Other	90-S
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	
Unit Letter J: 1500 feet from the south	line and 1500 feet from the east line
	i
Section 14 Township 23N Range 1	NMPM County
11. Elevation (Show whether DR, RKB, GL-6313)	
Pit or Below-grade Tank Application (For pit or below-grade tank closures, a form C-144 pit Location: UL J Sect 14 Twp 23N Rng 11W Pit type Drilling Depth to	must be attached) > (00'
Distance from nearest surface water 950 Below-grade Tank Location ULS	Groundwater 7 Distance from nearest fresh water well
	ectTwpRng;
feet from theline andfeet from theline	
12. Check Appropriate Box to Indicate Nature	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REM	IEDIAL WORK ☐ ALTERING CASING ☐
TEMPORARILY ABANDON	MENCE DRILLING OPNS. PLUG AND ABANDONMENT
	ING TEST AND
ОТНЕR: Reserve pit for drilling (lined) 💢 ОТН	ER:
13. Describe proposed or completed operations. (Clearly state all pertine	nt details, and give pertinent dates, including estimated date
of starting any proposed work). SEE RULE 1103. For Multiple Com	apletions: Attach wellbore diagram of proposed completion
or recompletion. A water based gel-mud will be use	d to dwill cumface and nucluotion easing
	drill production hole. The Fruitland
coal will be completed from approximately 475	drill production hole. The Fruitland
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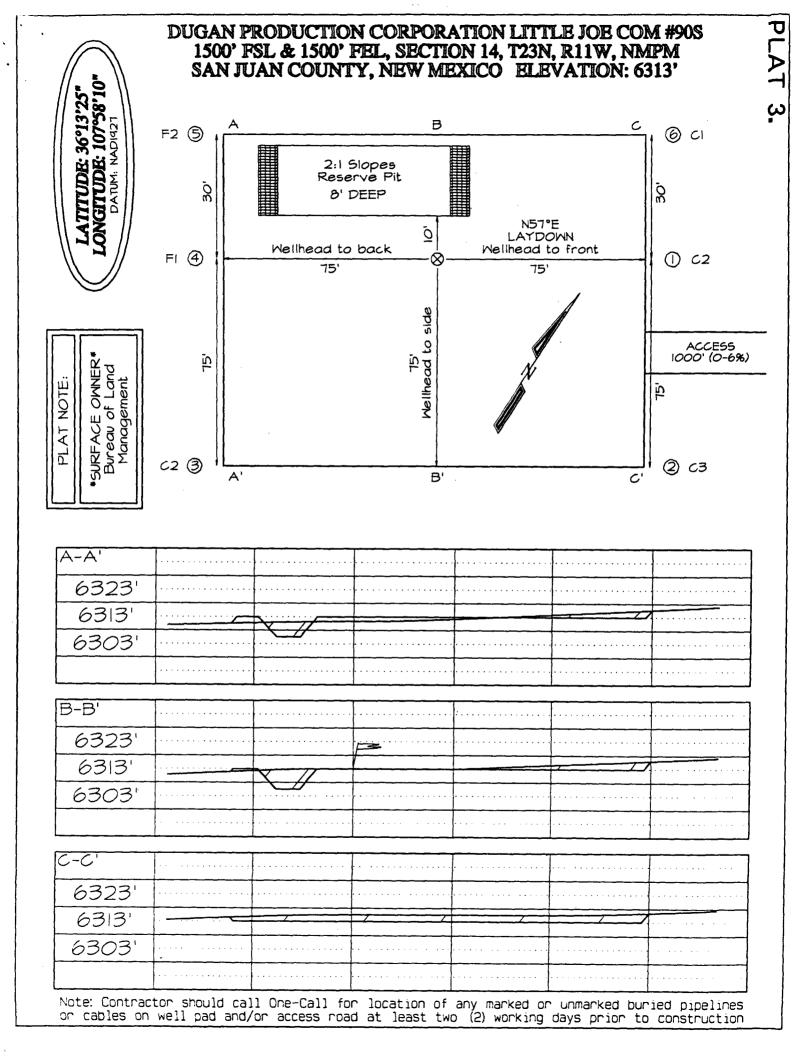


EXHIBIT B OPERATIONS PLAN

Little Joe Com #90-S

APPROXIMATE FORMATION TOPS:

Kirtland	Surface	Pictured Cliffs	535′
Fruitland	230′	Total Depth	680′

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′	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.

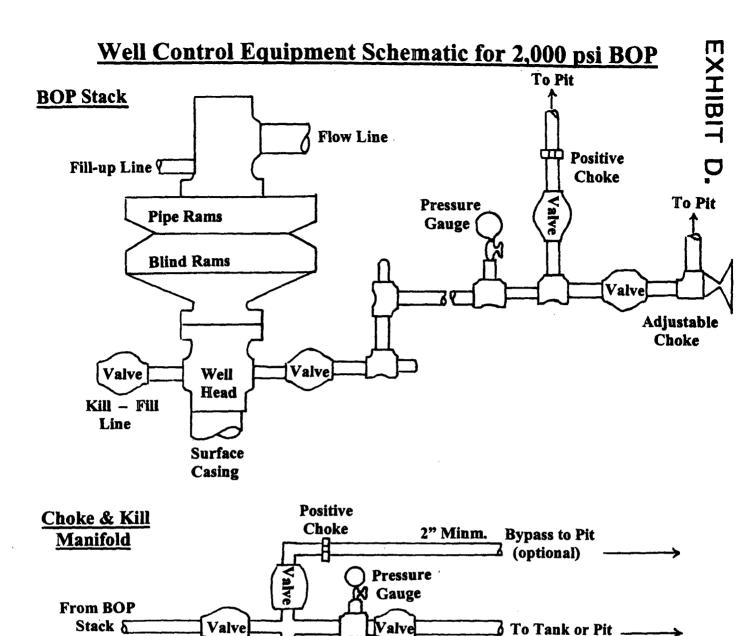
2" minimum choke line.

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

Adjustable

Choke

2" Minm.

DUGAN PRODUCTION CORP. LITTLE JOE COM #90-S

2" Minm.

2" Minm.

7 To Tank or Pit _____