# RECEIVED 070 FARMINGTON NM

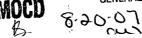
Form 3160-3 (April 2004)  UNITED STATES  DEPARTMENT OF THE I	OMB Expire	FORM APPROVED OMB No. 1004-0137 Expures March 31, 2007  5. Lease Serial No.		
BUREAU OF LAND MAN	6. If Indian, Allot	NM-10757	<b>-</b>	
APPLICATION FOR PERMIT TO	DRILL OR REENTER	o, ii iiiwan, Anor	ce of Tribe Name	
la. Type of work:  DRILL  REENTE	ER	7 If Unit or CA A	greement, Name and No.	-
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multiple	8. Lease Name an Dome Na	dWell No. Vajo 12-26-13	_ _Com #90-S
2 Name of Operator  Dugan Production Corp.		9. API Well No. 30-045-	33734	
3a. Address 709 East Murray Drive, Farmington, NM 87401	3b. Phone No. (include area code) 505-325-1821	10. Field and Pool,		-
4. Location of Well (Report Isration clearly and in accordance with an At surface 660' FSL & 1300' FEL, Lat.  At proposed prod. zone Same as above Long		11. Sec., T. R. M. of Sec. 12 NMPM	Blk and Survey or Area , T26N, R13W	-
14. Distance in miles and direction from nearest town or post office* Approx. 20 miles South of Farmi	ington, New Mexico	12. County or Paris San Juan	h 13. State	-
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 320.0 Acres	17. Spacing Unit dedicated to th S/2-320.0		-
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  Approx. 550'	1340 Feet	20. BLM/BIA Bond No. on file		-
21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL-6024	22. Approximate date work will start ASAP	23. Estimated dura 5-Day	tion S	-
	24. Attachments			-
The following, completed in accordance with the requirements of Onshor	re Oil and Gas Order No.1, shall be atta	ched to this form:		•
<ol> <li>Well plat certified by a registered surveyor.</li> <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>	ltem 20 above).  Lands, the 5. Operator certificat	ecific information and/or plans	•	ı
25. Signature Kurt Farrelin	Name (Printed/Typed)	rt Fagrelius	Date May 8, 20	<del>-</del> 06
Title				-
Approved by (Signature) Man Ceo (1525)	Name (Printed/Typed)		Date 8/19/5	<u>.</u> Z
Title AFM	Office			. •
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	ls legal or equitable title to those rights	in the subject lease which would	d entitle the applicant to	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a cr States any false, fictitious or fraudulent statements or representations as to	rime for any person knowingly and will to any matter within its jurisdiction.	Ifully to make to any department	or agency of the United ;	77
*(Instructions on page 2)	[/		DIST. 3	i∎ ↓ · · · · · · · · · · · · · · · · · · ·
A water based gel-mud will be used Standard 2,000 psi BOP will be used Coal will be completed from approximation fracture stimulated.	ed to drill produc	tion hole. The	Fruitland	

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

PRIOR TO CASING & CEMENT

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

"GENERAL REQUIREMENTS".



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

District II 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

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

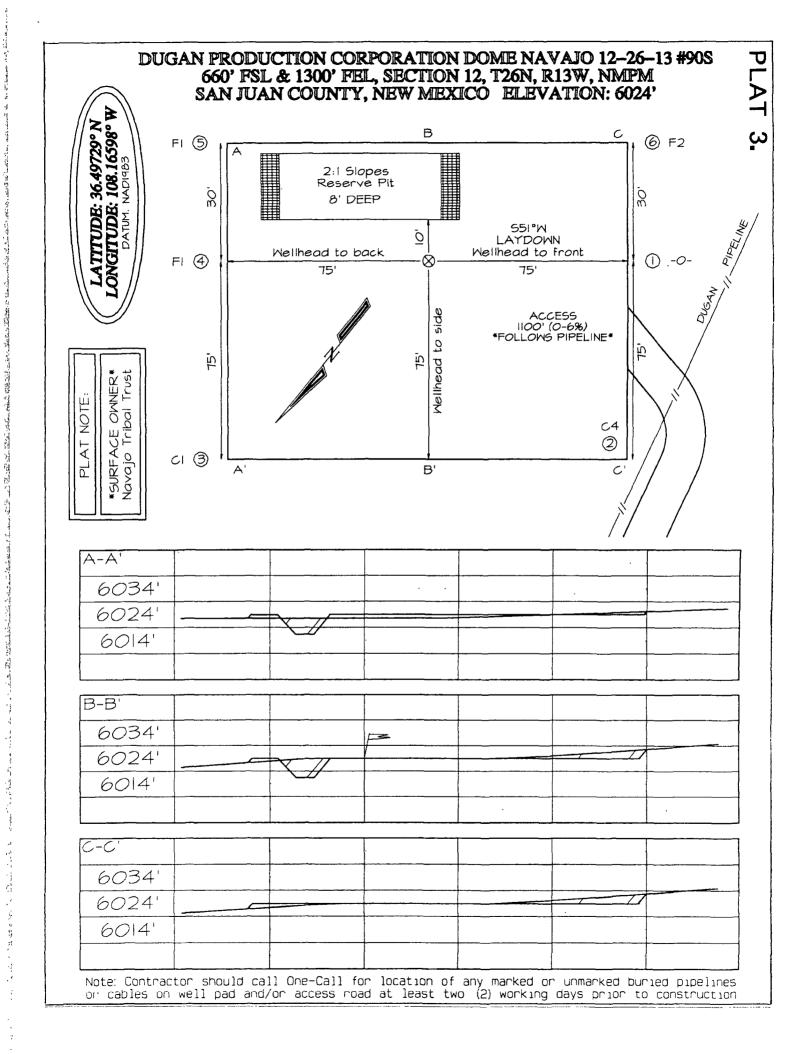
Certificate Number

AMENDED REPORT

			WELL	LOCAT	ION AND A	CREAGE DED	ICATION PL	_AT		
ı	API Numbe	- 33734	1	*Pool Coo 71629	1	³Pool Name BASIN FRUITLAND COAL				
Property	Code		,		Propert OME NAVAJI	y Name O 12-26-13 C	OM	<del> </del>	⁴ We	ell Number 90S
'OGRID 0065				DUGAN	Operato PRODUCTIO	r Name ON CORPORATI	ON		*E	levation 6024
	Section	Township	Range		10 Surface					
UL or lot no	12	26N	13W	Lot Idn	660	North/South lane	Feet from the		est line	SAN JUAN
Ut or lot no	Section	11 B	Ottom Range	Hole L	OCATION I	f Different North/South line	From Surf		est line	County
12 Dedicated Acres		).O Acre	s - (S	i/2)	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Onder No			1
NO ALLOW	WABLE W	ILL BE A OR A	SSIGNE NON-ST	D TO TH ANDARD	IS COMPLETI UNIT HAS B	ON UNTIL ALL EEN APPROVED	INTERESTS H BY THE DIVI	AVE BE	EN CON	NSOLIDATED
. 00:	2006 MRY 8 FM 10 19 RECEIVED	070 FAR		12			I hereby containe to the last of the last	v certify of herein pest of my est o	that the istrue and knowledge (urt Figure 1) (urt F	
2580 <b>NO</b>		GAN 4-20-74          -	75			GAN 10757         	Date O Signature	and Seal	best of more APR of Profess  EDWA  MEXICO	y belief IL 7, 2006 Sional Surveyor
		1		LON	T. 36.49729 N G: 108 16598 W TUM NAD1983	1300'		AND PROF	ESSIONA	(\$)

5286.60

Submit 3 Copies To Appropriate District Office	State of New Mo		Form C-103		
District I	Energy, Minerals and Natu	ıral Resources	WELL API NO.		
1625 N French Dr., Hobbs, NM 88240 District II	Off CONGERNATION	, par matori	30-045-33734		
1301 W Grand Ave, Artesia, NM 88210 District III	OIL CONSERVATION 1220 South St. Fra		5. Indicate Type of Lease Federal XX		
1000 Rio Brazos Rd, Aztec, NM 87410	Santa Fe, NM 8		STATE FEE  6. State Oil & Gas Lease No.		
District IV 1220 S St Francis Dr , Santa Fe, NM	Santa i G, Mili G	1303			
87505	CEG AND DEPONTS ON WELL		Federal NM-10757		
(DO NOT USE THIS FORM FOR PROPO	CES AND REPORTS ON WELLS SALS TO DRILL OR TO DEEPEN OR PL		7. Lease Name or Unit Agreement Name		
DIFFERENT RESERVOIR USE "APPLIC			Dome Navajo 12-26-13 Com		
PROPOSALS)  1. Type of Well: Oil Well	Gas Well XX Other		8. Well Number #90-S		
	Production Corp.		9. OGRID Number 006515		
3. Address of Operator			10. Pool name or Wildcat		
709 Eas	t Murray Drive, Farmin	gton, NM	Basin Fruitland Coal		
4. Well Location					
Unit Letter P :	660 feet from the South	line and13			
Section 12		ange 13W	NMPM County San Juan		
	11. Elevation (Show whether DR	, RKB, RT, GR, etc.)			
Pit or Below-grade Tank Application Yo	GL~ 6024 <sup>1</sup>				
Pit type Drillingepth to Groundwa	te+100 Distance from nearest fresh v	vater well +1000 Dista	ince from pearest surface water +200 '		
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume	bbls: Co	nstruction Material Synthetic		
12 Check A	appropriate Box to Indicate N				
			•		
NOTICE OF IN		1	SEQUENT REPORT OF:		
PERFORM REMEDIAL WORK  TEMPORARILY ABANDON	PLUG AND ABANDON  CHANGE PLANS	REMEDIAL WORK COMMENCE DRIL	<del></del>		
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT			
_	<u> </u>				
OTHER: Reserve pit for c		OTHER:	give pertinent dates, including estimated date		
			ach wellbore diagram of proposed completion		
-	and will be used to dri	11 surface ar	nd production casing hole.		
Standard 2,000 psi	BOP will be used to dr	ill productio	on hole. The Fruitland		
Coal will be comple	ted from approximately	' 1155' <b>-</b> 1175	5'. The interval will be		
fracture stimulated					
			RCVD AUG 16 '07		
			OIL CONS. DIV.		
			DIST. 3		
I hereby certify that the information grade tank has been/will be constructed or	above is true and complete to the becomes according to NMOCD guidelines?	est of my knowledge , a general permit 🗍 o	and belief. I further certify that any pit or below- r an (attached) alternative OCD-approved plan .		
SIGNATURE PURT FZG	TITLE O	Seology	DATE May 8, 2006		
Kurt Fagrel	ius kfagrelius@d	luganproductio	on.com 505-325-1821		
Type or print name For State Use Only	E-mail ad		Telephone No.		
A STATE OF CHILD		ity Oil & Gas	Inspector, AUG 2 0 2007		
APPROVED BY:	THTLE_	District #:	DATE DATE		
Conditions of Approval (if any):	/				



## EXHIBIT B OPERATIONS PLAN

Dome Navajo 12-26-13 Com #90-S

#### APPROXIMATE FORMATION TOPS:

Ojo Alamo Surface

Kirtland 120' Pictured Cliffs 1195' Fruitland 895' **Total Depth 1340'** 

Catch samples every 10 feet from 1000 feet to 1340 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 <b>"</b>	5-1/2"	14#	1340′	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 110 cf 2%Lodense with

%# celloflake/sx followed by 90 cf Class "B" with

%# celloflake/sx.

Total cement slurry for production stage is 200 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.

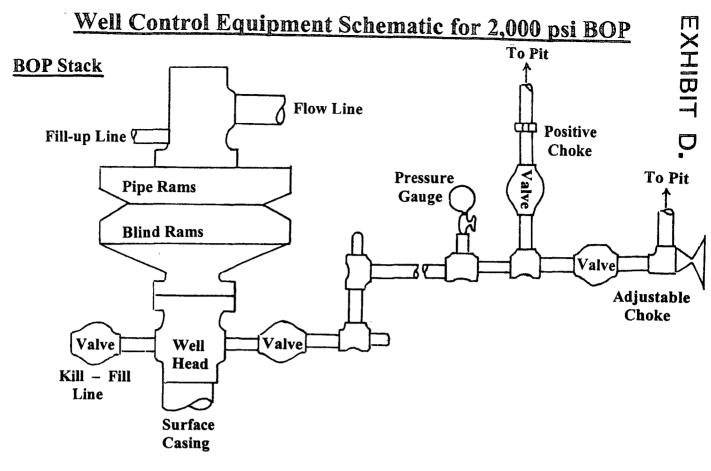
Fill-up line.

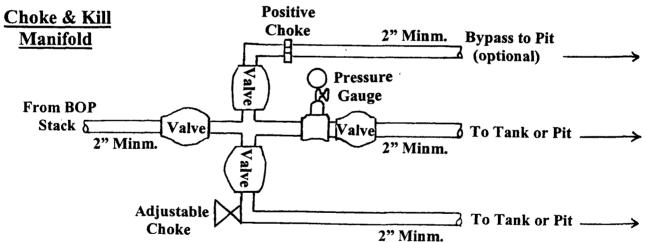
#### Contacts:

water in the second second

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.

DOME NAVAJO 12-26-13 COM #90-S