OIL CONS. DIV.

Ferm 3160-3 FORM APPROVED OMB No. 1004-0137 Expires Marca 31, 2007 April 2004) UNITED STATES O AAT 5. Lease Serial No. DEPARTMENT OF THE INTERIOR NM-15654 BUREAU OF LAND MANAGEMENT FOR ITED If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL CA REENTER ? If Unit or CA Agreement, Name and No. **✓** DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well & Gas Well Single Zone Multiple Zone Rodeo Rosie #90-S Type of Well: 9. API Well No. Name of Operator Dugan Production Corp. 30-045**-** 34014 3b. Phone No. findude area code Address 10. Field and Pool, or Exploratory, 709 East Murray Drive, Farmington, NM 505-325-1821 Basin Fruitland Coal 11. Sec., T. R. M. or Blk and Survey or Area 4. Lucation of Well (Report Invation clearly and in accordance with any State requirements.*) D Sec. 22, T24N, R10W At surface 1150' FSL & 800' FEL, Lat. 36.29521 N. NMPM Long. 107.87746 W. At proposed prod. zone Same as above 14. Distance in miles and direction from nearest town or post concer Approx. 35-miles SE of Bloomfield, NM 12. County or Parish 13. State San Joan NM 15. Distance from proposed* 17. Spacing Unit dedicated to this well S/2-320.0 Acres 16. No. of acres in lease location to nearest 1398.22 Acres 800 Feet property or lesse line, ft. (Also to nearest drig, unit line, if any) 18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 20. BLM/BIA Bond No. on file 19. Proposed Depth On File 1435 Feet Approx. 3300 Elevations (Show whether DF, KDB, RT, GL, etc.) 22 Approximate date work will start ASAP Estimated duration 7-Days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be anached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2 A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. 25. Signature Name (Printed/Typed) Kurt Fagrelius 10-19-2006 Title Geology Approved by (Signature) Name (Printed/Typed) Title 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, rictitious or fraudulent statements or representations as to any matter within its jurisdiction. *(Instructions on page 2)

1/2

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 1260' - 1280'. The interval will be fracture stimulated.

NOTIFY AZTEC OCD 2

.ementing 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

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AOFESSION

Certificate Number

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

58 AMENDED REPORT

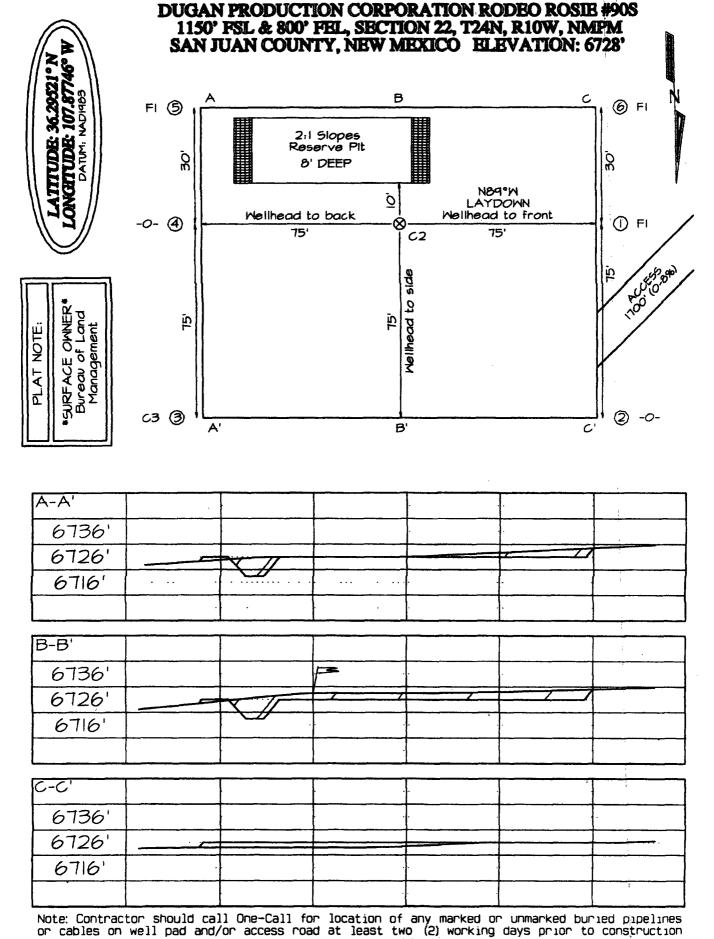
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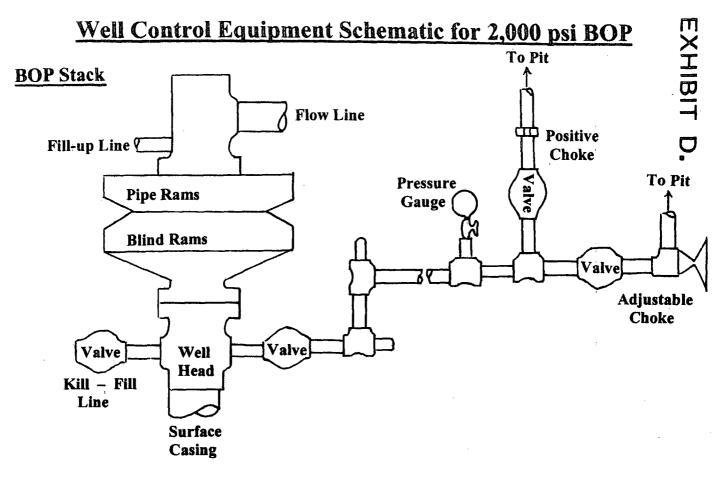
		4 1	WELL	LOCATI	ON AND A	CREAGE DED:		<u>.</u>	
30-04	API Numbe 5-34	014		*Pool Cod 71629		BAS	Pool Name SIN FRUITLA		
Property Code		*Property RODEO R						Well Number 90S	
70GRID No 006515			Operator DUGAN PRODUCTIO			•		*Elevation 6728	
		,		1	¹⁰ Surface			· · · · · · · · · · · · · · · · · · ·	
P. P.	Section 22	Township 24N	10W	Lot Idn	Feet from the 1150	SOUTH	Feet from the 800	EAST	SAN JUAN
UL or lot no.	Section	11 C Township	Parge Parge	Hole L	ocation I	f Different Morth/South line	From Surfa	East/Nest line	County
Dedicated Acres					²⁵ Jount or Infill	¹⁴ Consolidation Code	S Order No.		
		.0 Acres	s - (S/	' 2)	2				
NO ALLOW	NABLE W	ILL BE /	ASSIGNEI NON-ST	D TO THE	IS COMPLETION UNIT HAS BE	ON UNTIL ALL	INTERESTS H	AVE BEEN C	ONSOLIDATED
2685.54			5	196.84			I hereby contained to the building signature Printed I Title Date B SURVE I hereby contained to the building signature signature shown on the sh	certify that the herein is true est of my knowle Kurt I Name Geolog 10-19-	Fagrelius -2006
2609.64				PUGAN M-15654		LAT: 36.29521 LONG: 107.8774 DATUM: NAD19	Date o	of Survey: Mand Seal of Prof	AY 10, 2006 essional Surveyor

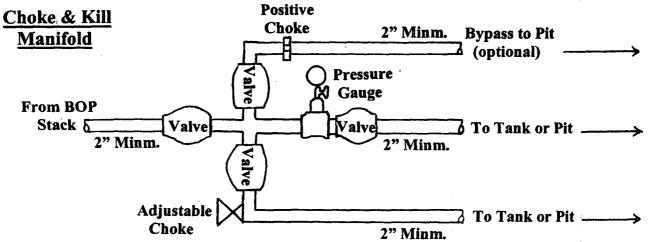
5241.721

Submit 3 Copies To Appropriate Edistrict Office <u>District I</u>	State of New Af Energy, Minerals and Nan		Form C-103 May 27, 2064		
1625 N. Franch Dr., Hobbs, NM 88240 <u>Otomach</u> 1301 W. Grand A.E. Artesia, HM 84240 <i>Distanci</i> III 1900 Rio Brazos Rd., Aztec. NM 87440	OH, CONSERVATION 1220 South St. Fra Santa Fe. NM 8	DIVISION 5. Indies	30-045-39079 In Type of least Federal XX TATE FEE		
(DO NOT USE THIS FORM FOR PROPO	TCES AND REPORTS ON WELLS OSALS TO DRILL OR TO DEEPEN OR PL	Fee 7. Lease UG BACK TO A ROOT ROOT ROOT ROOT ROOT ROOT ROOT	Dil & Gas Lease No. deral NM-15654 Name or Unit Agreement Name leo Rosie		
PROPOSALS.) 1. Type of Well: Oil Well		8. Well 1	Number 90-S		
	Production Corp.		D Number 006515		
	ast Murray Drive, Farmi		name or Wildcat asin Fruitland Coal		
4. Well Location Unit Letter P: 1150 feet from the south line and 800 feet from the east line Section 22 Township 24N Range 10W NMPM County San Juan 11. Elevation (Show whether DR, RKB, RT, GR, etc.) GL-6728' Ptt or Below-grade Tank Application K or Closure					
Pit type Drilling Depth to Groundw Pit Liner Thickness: 12 mil	vater +100bistance from nearest fresh v Below-Grade Tank: Volume	vater well +1000 bistance from ne- bbls; Construction M	Cunthotio		
	Appropriate Box to Indicate N		acer iai		
NOTICE OF IN PERFORM REMEDIAL WORK TEMPORARILY ABANDON PULL OR ALTER CASING	CHANGE PLANS	SUBSEQUEN REMEDIAL WORK COMMENCE DRILLING OPN CASING/CEMENT JOB	IT REPORT OF: ALTERING CASING S. PANDA		
OTHER: Reserve pit for 13. Describe proposed or composed or starting any proposed wor recompletion.	drilling (lined) 🛛 oleted operations. (Clearly state all pork). SEE RULE 1103. For Multip	OTHER: pertinent details, and give pertinele Completions: Attach wellbo	nent dates, including estimated date re diagram of proposed completion		
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 1260' - 1280'. The interval will be fracture stimulated.					
			!		
I hereby certify that the information grade tank has been/will be constructed or	above is true and complete to the be- closed according to NMOCD guidelines	est of my knowledge and belief.	I further certify that any pit or below-d) alternative OCD-approved plan		
SIGNATURE Kurt Fagrel Type or print name For State Use Only	ius kfagrelius E-mail ad	Geology Oduganproduction.com dress:	DATE 10-19-2006 505-325-1821 Telephone No.		
APPROVED BY: Conditions of Approval (if any):	TITLE	UTY OR & GAS INSPECTOR, I	MST & DATE FFB 2 3 2007		

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

DUGAN PRODUCTION CORP. RODEO ROSIE #90-s

EXHIBIT B OPERATIONS PLAN

Rodeo Rosie #90-S

APPROXIMATE FORMATION TOPS:

Total Depth	1435'
Pictured Cliffs	1283'
Fruitland	980 ′
Kirtland	575 ′
Ojo Alamo	492'

Catch samples every 10 feet from 1150 feet to total depth.

LOGGING PROGRAM:

Run cased hole GR-CCL-CNL from total depth to surface.

CASING PROGRAM:

The second s

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#	1435 ′	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 140 cf 2%lodense with

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

4# celloflake/sx.

Total cement slurry for production stage is 230 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 (H) 320-8247 (M)
Kurt Fagrelius	325-4327 (H) 320-8248 (M)
John Alexander	325-6927 (H) 320-1935 (M)