24.

SUBMIT IN TRIPLICATE*

FORM APPROVED OMB NO. 1004-0136

(July 1962)	UNIT	'ED STATI	ES		se side)	Expires: Febru	ary 28, 1995	
,	DEPARTMEN	NT OF THE	INTER	IOR		5. LEASE DESIGNATION AN	ID SERIAL NO.	
	SF-079485-A							
		LAND MANA		00 DEE	·DEN	6. IF INDIAN, ALLOTTEE O	R TRIBE NAME	
	LICATION FOR F	EKMII I	O DRILL		PEN 2	7 UNIT AGREEMENT NAM	F	
la. TYPE OF WORK	RILL X	DEEPEN [ويهزان الإماليين بط يمايين	San Juan 30-4		
b. TYPE OF WELL	NILL 🖴	DEEPEN -		(MA Frenz	A COMMON AREA		
OIL OIL	GAS X OTHER		SINGLI ZONE	E X MŪ	ILTIPLE	8. FARM OR LEASE NAME, San Juan 30-4		
2. NAME OF OPERATOR						Jan Juan 30-4	OIIIC 41D	
ENERGEN RESOURCE	S CORPORATION					9. API WELL NO.		
3. ADDRESS AND TELEPHON		NN 07404				3008924424		
	Highway; Farmington					10. FIELD AND POOL, OR W		
4. LOCATION OF WELL (Rep At surface	port location clearly and in accord	ance with any State r	equirements.*)			branco mesaverde		
2490' FSL, 860'	FWL					11. SEC., T., R., M., OR BLK.		
At proposed prod. zone						AND SURVEY OR AREA		
14 DISTANCE IN MILES AND	D DIRECTION FROM NEAREST TOW	AN UB BOST OFFICE*				'Sec. 18, T30N,	R4W, N.M.P.	
Seven (7) Miles	Rio Arriba	NM						
15. DISTANCE FROM PROPOSED* 16. NO. OF ACRES IN LEASE 17. NO. OF						OF ACRES ASSIGNED		
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 830' 539.04						269.56		
18. DISTANCE FROM PROPO		19. PROPOSED		20. ROTA	TARY OR CABLE TOOLS			
TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR. ON THIS LEASE, FT. 1300'			6916		Rot	otary		
21. ELEVATIONS (Show wh	ether DF,RT, GR, etc.) on is subject to technica	l and				22. APPROX. DATE WOR	K WILL START*	
7219 GR This active	on is subject to technical at review pursuant to 43 CER	CFR 3165.3		DA	ILLING OP	ERATONS AUTHORIZ	ZED ARE	
23. and appl	eal pursuant to 43 CFR	3165:4. PROPOSED CASINO	3 AND CEMEN	8U ITING PROGRAM	BJECT TO	COMPLIANCE WITH EQUIREMENTS"	ATTACHED	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOO		SETTING DEPTH	ENEDAL D	OUANTITY OF CEM	IENT	
12 1/4"	9 5/8"	36#		200'	130	130 cu. ft., circ. to surfac		
8 3/4"	7"	20 & 23	#	4525'		1021 cu. ft., circ. to s		
6 1/8"	4 1/2"	10.5#		4375'-6916'		cu. ft., circ. to		
		1	ı		1			
	perforate and sand	water fractu	re the Me	saverde For	mation.			
This gas is						1 1 1 1 1 2 m		
A Williams F	Field Service Pipeli	ne ROW Plat	is attach	ed.		29 MIL 14	3	
						60 MAY 2004	554	
						E. ARDENVED	72	
	THIS IS AN EXPE	DITED APD				ho closes on	9. 5J	



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Staham	Drilling & Completion Foreman	DATE 12/18/00
(This space for Federal or State office use)		
PERMIT NO. Application approval does not warrant or certify that the applicant holds legal or CONDITIONS OF APPROVAL, IF ANY:	APPROVAL DATE————————————————————————————————————	conduct operations thereon.
/s/ David J. Mankiewic	TITLE DAT	MAY 1 0 2004

*See Instructions On Reverse Side Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, District I PO Box 1980, Hobbs, NM 88241-1980

Po Drawer DD, Artesia, NM 88211-0719

Oistrict 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

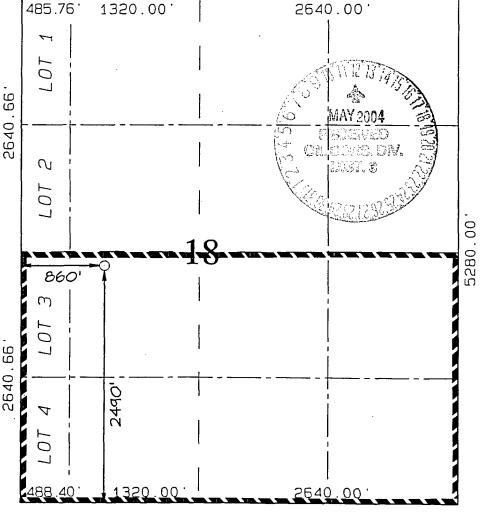
Form C-102 Revised February 21, 1994

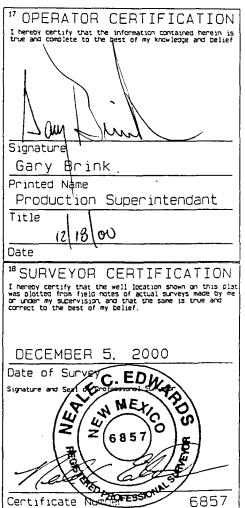
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

200 DEC 20 PM 1:54 WELL LOCATION AND ACREAGE DEDICATION CALATI

'API Number 'Pool Code			e	'Pool Name							
3003	59-2	6624		72319		Blanco Mesaverde					
'Property		Property Name						•we	ll Number		
2199	74	_	SAN JUAN 30-4 UNIT						:		418
'OGRID	No.				*Oper	ator M	Vame			*E	levation
16292	28		ENERGEN RESOURCES CORPORATION							7	7213'
¹⁰ Surface Location											
UL or lot no.	Section	Township	Range	Lat Idn	Feet from 1	the	North/South line	Feet from the	East/West	line	County
К	18	30N	4W		2490		SOUTH	860	WES	T	RIO ARRIBA
¹¹ Bottom Hole Location If Different From Surface											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from 1	the	North/South line	Feet from the	East/West	line	County
12 Dedicated Acres 13 Joint or Infill 14 Consolidation Code 15 Order No.											
269.56											
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											
485.	.76 1	320.00	•		2640.	00,		17 OPER	ATOR C	ERTI	FICATION





OPERATIONS PLAN

WELL NAME: San Juan 30-4 Unit 41B

LOCATION: 2490' FSL, 860' FWL, Section 18, T30N, R4W, Rio Arriba County, NM

FIELD: Blanco Mesaverde

ELEVATION: 7214' GR

FORMATION TOPS:

Surface	San Jose	Huerfanito Benonite	4956
Nacimiento	1986	Cliff House	5806
Ojo Alamo	3281	Menefee	6156
Kirtland	3511	Point Lookout	6366
Fruitland	3741	Total Depth	6916
Pictured Cliffs	3916		
Lewis	4326		

LOGGING PROGRAM:

Open Hole Logs:

Surface to intermediate: HRI/SP/GR; CNT/LDT/MLT Inter TD to total depth: Temp/HRI/CNT; LDT/GR

Mud Logs:

200' above Ojo Alamo to total depth

Coring:

None

Natural Gauges:

Every 500' from intermediate T. D. to T. D.

<u>MUD PROGRAM</u>: Fresh water low solids mud from surface to intermediate T. D. Air/mist from intermediate casing point to T. D.

CASING PROGRAM:

HOLE SIZE	<u>DEPTH</u>	CSG SIZE	$\underline{\mathrm{WT.}}$	GRADE
12 1/4"	200'	9 5/8"	36#	J-55
8 3/4"	4525'	7"	20 & 23#	J-55
6 1/8"	4375'-6916'	4 1/2"	10.5#	J-55

TUBING PROGRAM:

6800 2 3/8" 4.7 J-55

WELLHEAD: 11" 3000 x 9 5/8" casing head. 11" 3000 x 7 1/16" 3000 xmas tree.

BOP SPECIFICATIONS:

An 11" 2000 psi minimum double gate BOP stack (Figure 1) will be used following nipple up of casing head. During air drilling operations, a Shaffer Type 50 or equivalent rotating head will be installed on top of the stack. A 2" nominal, 2000 psi minimum choke manifold will be used.

CEMENTING:

9 5/8" surface casing - Cement with 110 sks Class B Cement with ¼# flocele/sk and 2% calcium chloride (130 cu. ft. of slurry, 100% excess to circulate to surface). WOC 12 hrs. Test casing to 600# for 30 minutes.

Texas Pattern Guide Shoe on bottom. 3 bow type centralizers spaced throughout the string.

7" intermediate casing:

Cement with 530 sks 65/35 Class B Poz with 6% gel, 2% calcium chloride, 10% gilsonite, and ½# flocele/sk. Tail with 100 sks Class B w/2% calcium chloride, 10% gilsonite and ½# flocele/sk. (1021 cu. ft. of slurry, 50% excess to circulate to surface). WOC 12 hrs. If cement does not circulate, run temperature survey in 8 hrs. to determine TOC. Test casing to 1200 psi for 30 minutes.

Cement nose guide shoe on bottom with a self-fill insert float valve on top of shoe joint. 10 bow spring centralizers spaced every 3rd joint off bottom. Two turbolating centralizers at the base of the Ojo Alamo.

4 1/2" Production Liner

Cement with 270 sks 50/50 poz with 2% gel, 5 PPS gilsonite, .4% halad - 9 and 1/4# flocele/sk (360 cu. ft., 50% excess to tie into intermediate casing string). WOC 18 hrs prior to completion.

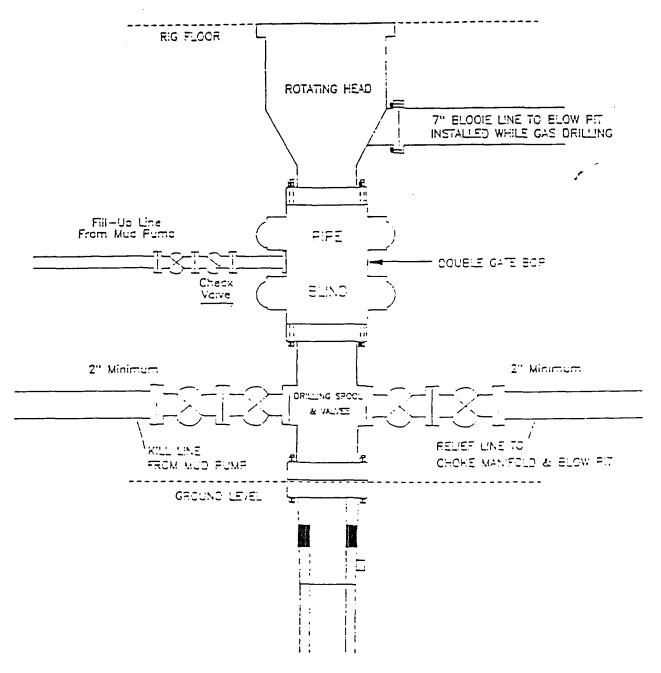
Cement nose guide shoe on bottom with float collar on top of shoe joint.

OTHER INFORMATION:

- 1) The Blanco Mesa Verde will be completed.
- 2) No abnormal temperatures or pressures are anticipated.
- 3) Anticipated pore pressure for the Fruitland Coal is 800, Pictured Cliffs 900 and the Mesaverde is 1100.
- 4) If lost circulation is encountered, sufficient LCM will be added to the mud system to maintain well control.
- 5) This gas is dedicated.

ENERGEN RESOURCES CORPORATION

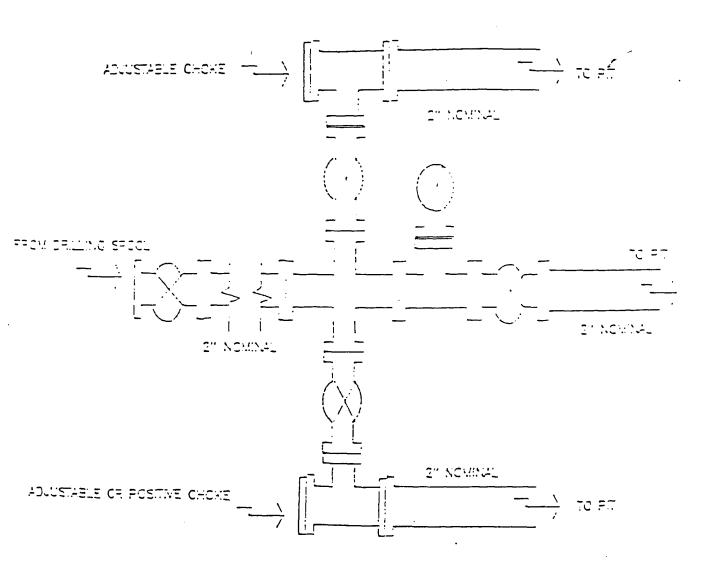
Mesa Verde / Dakota Well BOP Configuration



Minimum EOF installation for a Mesaverde well from Surface to Total Depth. 11" Bare, 2000psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A Schaffer Type 50 or equivalent rotating head to be installed on the top of the EOP. All equipment is 2000psi working pressure or greater.

ENERGEN RESOURCES CORPORATION

Choke Monifold Configuration 2M psi SYSTEM



Minimum chake manifold installation from surface to Total Depth. 2" minimum, 2000psi working pressure equipment with two chakes.

