Energy Reserves Group, Inc. P.O. Box 3280 Casper, Wyoming 82601 Phone 307 265 7331



August 31, 1979

U.S. Geological Survey
Oil & Gas Operations
P.O. Box 959
Farmington, New Mexico 87401

Re: Request for unorthodox well location, Gallegos Canoyn Unit #288

SE¼, NW¼, Section 19, T29N-R12W. Lease No. SF-078949

Gentlemen:

We are in receipt of your letter of August 24, 1979 concerning spacing of the above referenced well.

This well is located east of Farmington near an Industrial Park Area. The well site is on private surface owned by three individuals from the Farmington area. These three individuals were contacted and the well placement was discussed along with their future plans for the development of the area. The site chosen was determined to be the most advantageous for the surface development of the surrounding area. (Attached is a rehabilitation agreement from the surface owners) We feel we have made a diligent effort to protect the rights of the surface owners and to stay within the spacing orders of the State of New Mexico.

We would appreciate your approval of this well site based on the above mentioned topographical conflict.

If you have any questions or need any further information, please call.

Very truly yours,

ENERGY RESERVES GROUP, INC.

William J. Fiant

Field Services Administrator

WJF/cc

Attachment

#### REHABILITATION AGREEMENT

Lease No.: SF-078949 Location: NF 4 NW 4 S	; Well Name and No.: GALLEGOS CANYON UNIT 28X ec. 19 , T. 29 N., R. 12 W.
	art a section and the first a coll on cure
ENERGY RESERVES GROUP	Oil Company intends to drill a well on sur-
agrees to complete the	VENTURE . The lessee/operator following rehabilitation work if the well is a producer:
All services	Maintain access road and provide adequate drainage to road.
Yes // No	Reshape and reseed any area in excess of the pump and support facilities.
Other requirements:	•
The following work will	be completed when the well is abandoned:
<u>∫X</u> Yes <u>∫</u> / No	Site will require reshaping to conform to existing topography.
<u>√x</u> Yes <u>√</u> No	Pit will be fenced until dry, then filled to conform to topography.
Yes // No	Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:
	•
∑ Yes ∑ No	Access road will be rehabilitated and reseeded using the same seed mixture as above.
∑ Yes ∑ No	Access road will remain for landowner's use.
Other requirements:	
Landowner	Operator/Lessee .
STW, JOINT VENTURI	Alem A Name:
Address: P. O. BOX 201	Address:
City: FARMINGTON	City:
State: NEW MEXICO	State:
<b>Telephone:</b> (505)325-5	
Date: AUGUST 15,	1979 Date:
<u>√x</u> / Yes <u>√</u> / No	I certify rehabilitation has been discussed with the surface owner.
This name ment covers !	ehabilitation requirements only and does not affect any
other agreements between	n the lessee/operator and surface owner.

Form Approved.

Budget Bureau No. 42-R1424

## UNITED STATES

UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	SF 078949 국회 # 영화기
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different	, t <sub>=-</sub> ,
reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas 🖼	Gallegos Canyon
well well cther	9. WELL NO.
2. NAME OF OPERATOR	9. WELL NO. 4 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Energy Reserves Group, Inc	10. FIELD OR WILDCAT NAME
3. ADDRESS OF OPERATOR	West Kutz Pictured Cliffs
Box 3280, Casper, Wyoming 82602	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	
below.)	AREA   \$\frac{1}{2} \frac{1}{2} \frac{1}
AT SURFACE: 1446'FN & 1410' FWL(SE-NW)	12. COUNTY OR PARISH 13. STATE =
AT TOP PROD. INTERVAL: AT TOTAL DEPTH:	San Juan A San New Mexico
	14. API NO. 호수호의 호 등등 등등
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	三二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二二
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	GL 5404'-KB5414' 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT OFF	5 0 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
FRACTURE TREAT	Participant of the participant o
SHOOT OR ACIDIZE	하면 생절 이 그는 회사의 학생들이 되었다.
REPAIR WELL	(NOTE: Report results of multiple completion or zone
PULL OR ALTER CASING	change on Form 9–330.)
MULTIPLE COMPLETE	그 그 그 아무성당 그는 숙분일당 그림
ABANDON*	그 그는 그를 가는 프랑하셨다. 첫 대회인성 다양하다.
(other) Well History X	Control of the contro
	<u> </u>
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state including estimated date of starting any proposed work. If well is dependent and true vertical deaths for all proposed work.	e all pertinent details, and give pertinent dates,
measured and true vertical depths for all markers and zones pertinen	nt to this work.)*
The above referenced well was spudded @	그 그 그 그 그 그 그 그는 그 젊으게 하는 그 그런 그를 열어하다.
Drilled 12½" hole to 135' K.B. and set	3 jts, 8-5/8", 20#, MU46,
Range 3. oktn. new casing M132'K R Co.	mented w/175au -1 h
cement w/2% Cacl2 & 岩# Flocele/sk. Plug	g down @ 8:00 A.M. 5, 5, 5
11-16-79. Good returns.	88201 E 1964
Wi1-1	ा अंधिक होते । विश्व के प्राप्त ।
Nippled up & pressure tested BOPE to 600	O PSI - Held O.K. 를 기록하는
De: 111 1 6 0 (NH 1 2	근 경찰 활동 그 왕이 회학생활
Drilled $6-3/4$ " hole to 1550' K.B. & ran	logs.
Pan 20 its ulu o 5 "	अस्ति हो है है । असे असे से असे हैं के लिए ह
Ran 38 jts 4½", 9.5#, K-55, 8Rth, ST&C,	New casing set @ 1525 K.B.
Cemented w/275 sx. 50-50 pozmix B w/4# I 11-19-79 Good retirns Subsurface Safety Valve: Manu. and Type	Llocele/sk. plug down @11:00P.
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
vo. Thereby certary that the foregoing is true and correct	그 그 그 그 그 이 중심하다 하고 가는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
SIGNED TITLE Drlg. Foreman	PATE 11-20-79
(This space for Federal or System)	TEN A
APPROVED BY TITLE	LILLY ACTION ACT
	1250 1 1 1 1 1 1 1 1
I DEC	2211979 DE 12170
· OIL C	ON CONTRACTOR OF THE PARTY
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ON. COM.  ST. 3 FARMINGTON DISTRICT
*See Instructions on Royerse	By (1)

well  $\square$ 

below.)

REPAIR WELL

ABANDON\* (other)

#### Form Approved. Budget Bureau No. 42-R1424 UNITED STATES 5. LEASE DEPARTMENT OF THE INTERIOR SF 078949 **GEOLOGICAL SURVEY** 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT AGREEMENT NAME (Do not use this form for proposals to crill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.) <u>Gallegos Canyon</u> Unit 8. FARM OR LEASE NAME gas Gallegos Canyon $\mathbf{X}$ well oth er 7.4.4.5 3.4.5 9. WELL NO. 2. NAME OF OPERATOR 288 Energy Reserves Broup, Inc 10. FIELD OR WILDCAT NAME 3. ADDRESS OF OPERATOR West Kutz Pictured Cliffs Box 3280, Casper, Wyoming 82602 11. SEC., T., R., M., OR BLK. AND SURVEY OR 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 AREA ំង ដ Sec 19, T29N-R12W AT SURFACE: 1446'FNL & 1410' FWL(SE-NW) 12. COUNTY OR PARISH 13. STATE AT TOP PROD. INTERVAL: San Juan 🚊 🦥 New Mexico AT TOTAL DEPTH: 14. API NO. 16. CHECK APPROPRIATE BOX 10 INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 15. ELEVATIONS (SHOW DF, KDB, AND WD) GL 5404'-KB5414' REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE (NOTE: Report results of multiple completion of zone PULL OR ALTER CASING change on Form 9-330.) MULTIPLE COMPLETE CHANGE ZONES

17. DESCRIBE PROPOSED OR CO UPLETED OPERATIONS (Clearly state all pertinent details: and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well was spudded @ 7:00P.M. 11-14-79.

Drilled 12½" hole to 135' K.B. and set 3 jts, 8-5/8", 20#, MU46, Range 3, 8Rth, new casing @132'K.B. Cemented w/175sx. class B cement w/2% Cacl2 & 岩# Flocele/sk. Plug down @ 8:00 A.M. 11-16-79. Good returns.

Nippled up & pressure tested BOPE to 600 PSI - Held O.K.

Drilled 6-3/4" hole to 1550' K.B. & ran logs.

Ran 38 jts  $4\frac{1}{2}$ ", 9.5#, K-55, 8Rth, ST&C, New casing set @ 1525'K.B. Cemented w/275 sx. 50-50 pozmix B w/1# Flocele/sk. 11-19-79 Good returns 11-20-79 WOC & plug WOCT down-@11:00P.M. Subsurface Safety Valve: Manu. and Type \_ Set @ \_\_

18.	hereby	certify	that the	foregoing	is i	true and	d correct
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story

SIGNED	TITLE Drl	g.Foreman DATE _	11-20-79	
	(This space for Fe	deral or State office use)	NDPF	SOAFF
APPROVED BY	TITLE	DATE	ALI	

NMOCC

DISTRICT OIL & GAS SUPERVISOR

· Property

and the party

## **UNITED STATES**

UNITED STATES	5. LEASE
DEPARTMENT OF THE INTERIOR	SF-0/8949
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	Gallegos Canyon Unit
1 oil — gas	8. FARM OR LEASE NAME
well well to ther	Gallegos Canyon Unit 9. WELL NO.
2. NAME OF OPERATOR	288
Energy Reserves Group, Inc.  3. ADDRESS OF OPERATOR	10. FIELD OR WILDCAT NAME
P.O. Box 3280, Casper, Wyoming 82602	Kutz Pictured Cliffs, West
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA 중앙설립 로 한글로
below.)	Sec. 19-T29N-R12W
AT TOP PROD. INTERVAL:	9 2 12
AT TOTAL DEPTH:	San Juan New Mexico
<ol> <li>CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</li> </ol>	<u>- 설출</u> 병 및 기용장실
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD)
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	GRD 3404 KB 3414
TEST WATER SHUT-OFF	
SHOOT OR ACIDIZE	회를등을 하는 경송기점
REPAIR WELL   PULL OR ALTER CASING   T	(NOTE: Report results of multiple completion or zone
MULTIPLE COMPLETE	criange on Form 9–330.)
CHANGE ZONES	그 그 그 이 생활성은 그는 음악을 했다.
(other)	그 그 그 그 그 얼마 없었다. 그는 어떻게 되는 말
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state	all partinent datable and discounting
including estimated date of starting any proposed work. If well is di	rectionally drilled, give subsurface locations and
e de la constant de l	Hara Work.)
Pictured Cliffs sand perfed 1308'-16'; 132	26'-30' w/1 JSPF
Broke down perts w/750 gals 15% HCl + addi	ltives Fraced
@ 2 PPG.	000 #10-20 sand
C = 223.	
	3555 3 1979
	COM.
Subsurface Safety Valve: Manu. and Type	
18. I hereby certify that the foregoing is true and correct	Set @ Ft.
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SIGNED TOTAL Prod. E	ngr-pM和 12-18-/9
(This space for Federal or State offic	te use)
APPROVED BY TITLE TOTAL CONDITIONS OF APPROVAL, IF ANY:	DATE ACCEPTED FOR PEGGED
	Grcup, Inc.  TOR  Casper, Wyoming 82602  REPORT LOCATION CLEARLY. See space 17  FNI., 1410' FWL (SE NW)  NVAL:  BOX TO INDICATE NATURE OF NOTICE, DATA  TO: SUBSEQUENT REPORT OF:  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, te of starting any proposed work. If well is directionally drilled, give subsurface locations and tical depths for all markers and zones pertinent to this work.)*  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, the of starting any proposed work. If well is directionally drilled, give subsurface locations and tical depths for all markers and zones pertinent to this work.)*  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, the of starting any proposed work. If well is directionally drilled, give subsurface locations and tical depths for all markers and zones pertinent to this work.)*  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, the of starting any proposed work. If well is directionally drilled, give subsurface locations and tical depths for all markers and zones pertinent to this work.)*  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, the office of starting any proposed work. If well is directionally drilled, give subsurface locations and tical depths for all markers and zones pertinent to this work.)*  OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, see 19-T29N-R12W  IN THE SEC. 19-T29N-R1
NIMOOO	PARATA ALVILE E TA

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FARMINGTON DISTRICT

### UNITED STATES DEPARTMENT OF THE INTERIOR

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verse side)	5.	LEASE	DESIGNATION	AND	SERIAL	7
·			)78949			

		GEOLO	GICA	L SURVE	Y	1 \	reve	rse side)	5. LEASE		TION AND SERIAL NO.
	OMPLETIO				REPORT	AN	ID LO	G *	6. IF INDI	AN, ALL	OTTEE OR TRIBE NAME
1a. TYPE OF WI	v	ELL	ELL X	DRY .	Other				7. UNIT AC	REEME	NT NAME
b. TYPE OF CO		EFD.	<del>-</del>	—		•			Gallege	os Ca	anyon Unit
WELL A	OVER L	EEP-	J.CK	RESVR.	Other			<u> </u>	S. FARM O		
2. NAME OF OPER		_							Gallege	os Ca	anyon
	ergy Reser	ves Grou	ŗ, In	c.					9. WELL N	0.	
3. ADDRESS OF OF		) C	* *	00	600				28	38	
4. LOCATION OF W	D. Box 3280	J, Caspe	r, wy	oming 82	602		:		10. FIELD	AND POO	DL, OR WILDCAT
At surface 1,	,446'_FNL,	1,410'	FWL (	SENW)	iny State requ	uremen	te) •		Kutz P	., R., M.,	or block and survey
At top prod. in	nterval reported	below		-			-		,		
At total depth					·	-			_		N-R12W
				14. PERMIT NO	o <b>.</b>	DATE	ISSUED		12. COUNTY PARISH	OR	13. STATE
. DATE SPUDDED	16 DATE TO	REACUED! 4	7 0	COMPL. (Ready							New Mexico
	: !	ſ			o prod.) 1				RT, GR, ETC.)*	19.	ELEV. CASINGHEAD
11-14-79 ). TOTAL DEPTH, MI	11-19-7	UG, BACK T.D.,	12-5		LTIPLE COMPI	GRD	5,404		5,414'		
1,550' -		1,484'		HOW	NA NA	-		LED BY	O-TD		CABLE TOOLS
			· TOP, 1	SOTTOM, NAME (	(MD AND TVD)	•				2	5. WAS DIRECTIONAL SURVEY MADE
£,308	3' <b>-</b> 16'; 1,3	326'-30'			•						NO
TYPE ELECTRIC	AND OTHER LOGS	RUN			<del></del>					1 27 7	VAS WELL CORED
	- GR; Com		100 -	Noutron							
TIMUCCIOII	<u> </u>	. Deliat.		G RECORD (Re	port all strine	ıs set i	n well)			<u> </u>	NO
CASING SIZE	WEIGHT, LE	./FT. DEP	TH SET		OLE SIZE	1		ENTING	RECORD		AMOUNT PULLED
8-5/8''	20#		132'	KB 12-	-1/4''				+ 2% CaC	L <sub>2</sub>	
4-1/2''	9.5#		525'	770	2//11		<u>/4#/sk</u>				
4-1/2			, 323	KB = 6	-3/4''	1//	) SKS #/ck F	<u> </u>	) <u>Pozmix</u> le - Ciro	+	-0-
	<del></del>	LINER RE	CORD			11/4	30.		TUBING REC		Surface
SIZE	TOP (MD)	воттом (	(C)	ACKS CEMENT®	SCREEN (N	ID)	SIZE		DEPTH SET (1		PACKER SET (MD)
		_None	-				2-3/8		1305'		
											None
PERFORATION RE	COED (Interval,	size and num	(r)		32.	AC	D, SHOT.	FRACT	URE, CEMEN	T SQU	EEZE, ETC.
1.308'-16	o'; 1,326'-	30 1/1	ISPF		DEPTH IN		<del></del>				MATERIAL USED
_,	, _,	JU 11/ 1		A STATE OF THE PARTY OF THE PAR	1308'	-133	0'	Frac	ed w/24	000	gals. 70%
			25050								i0,000 #10-20
	King in	$\mathcal{N}$			- /A		l		1 @ 2 PPC		
•	- CAREA	<del></del>	+-	DPC PPC	Due ride		<u> </u>				<del> </del>
TE FIRST PRODUCT	TION	OUCTION METE	812	winds age 1/4 g	umping size	and ty	pe of pum	p)	WELL 8h:	STATU:	S (Producing or
TE OF TEST	HOURS TESTED	CHOKE	11126	PROD'N. FOR	OIL BBL.		GAS-MC	F.	WATER-BB	. 1	SI GAS-OIL RATIO
2-3-79	CASING PRESSU	3/4			7-0-		18	82	16		NA -
40 psi	SI 260 ps	24-nov	R RATE	-O-	GAS-	мс <b>г</b> . 546	1	WATER-	-ввг. -В	OIL G	NA
	During Tes		, etc.)		· · · · · · · · · · · · · · · · · · ·				T.C. I		r
. LIST OF ATTACH											
Sample	Description	n									
I hereby certify	that the forego	ing and attac	hed info	mation is comp	olete and corr	ect as	determine	from :	all available r	ecords	
SIGNED _h	lau 13.	Bari		J							0 4 70
STONED	TUNI.	, - 500		TITLE D	ist Prod	ı. Er	<u> 1917. – </u>	_KMD_	DATI	s <u> </u>	2-6-79

# NSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, expless of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation to the different state of the summary record is submitted.

tion and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations.

item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State All attachments

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, Submit a separate report (page) on this form, adequately identified,

interval, or intervals, topys), oncours, and interval, it is not interval, it is interval, it is expanately produced, showing the additional data pertinent to such interval.

Hem 29: "Nacks Coment": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

14.— 12: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

					FORMATION
					ON TOP HOTTOM
					USED, TIME TOOL O
				SEE ATTACHED	DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOLOPEN, PLOWING AND SHUT-IN PRESSURES, AND RECOVERIES  RNATION TOP HOTTOM DESCRIPTION CONTENTS, ETC.
	logger	Pictured Cliffs Lewis	Log Tops	NAME	38.
	1,538'	1,296	200	MEAS, DEPTH	GEOLOGIC MARKERS
English State Committee				TRUE VERT DEPTH	