SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

reverse side)

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY						5. LEASE DESIGNATION 8478 1-1	-336.53 N AND SERIAL NO. 49-IND-8479
APPLICATIO	N FOR PERMIT	TO DRILL.	DEEPEN	OR PLUG	RACK	6. IF INDIAN, ALLOTTE	CE OR TRIBE NAME
1a. TYPE OF WORK				<u> </u>	שאכוו	Navajo Tr	
	ILL 🕅	DEEPEN		PLUG BA	ACK 🗌	7. UNIT AGREEMENT	NAME
b. TYPE OF WELL	ias 🖂		SINGLE			Gallegos	Canyon Unit
2. NAME OF OPERATOR	VELL XX OTHER		ZONE	XX MULT		8. FARM OR LEASE NA	ME
Energy Reser	rves Group, Inc.					9. WELL NO.	
Energy Reserves Group, Inc. 3. ADDRESS OF OPERATOR						282	
<u>PO Box 3280</u> Casper, Wyoming 82602						10. FIELD AND POOL, OR WILDCAT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface						Kutz Pictured Cliffs _	
T _{At proposed prod. zone} 1700' FSL & 1590' FEL (NW/SE)						11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	PEGT TOWN OF DOC				Section 31,	
				M		12. COUNTY OR PARISH	
15. DISTANCE FROM PROPO	n & 2 miles east osep•	L OI Farmin	_ /		(17 %	San Juan	New Mexico
LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) NA			16. No. OF ACRES IN LEASE 17. NO TO		17. No. 0	OF ACRES ASSIGNED WIS WELL	_
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2600					ry or Cable Tools	·	
21. ELEVATIONS (Show who						22. APPROX. DATE WO	ORK WILL START*
5645 (GR) ungraded					July-Augu:	st, 1979	
	P	ROPOSED CASI	NG AND CEME	NTING PROGR	RAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	OOT SETTING DEPTH			QUANTITY OF CEMENT	
9 7/8''	7''	1 7#	1001		cer	cement to surface	
$6 \frac{1}{4!}$ $4\frac{1}{2}!$ $9.5#$		9.5#				100sx	

Energy Reserves Group, Inc. proposes to drill the above referenced well with rotary tools from surface to T.D. The anticipated zone of completion is the Pictured Cliffs Formation @ 1220'-1450'. No cores or DST's are planned. Copies of all logs run will be furnished upon completion of the well.

gas re dechisted

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.	Give blowout
SIGNED WILLIAM STORE	Field Services Administrator June 28, 1979
(This space for Federal or State office use)	
PERMIT NO.	APPROVAL DATE
APPROVED BY	TITLE ON DATE
ak 5ruh	my occ lar obst. 3
	*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Ellective 1-1-65

to make: Energy Reserves Group, Inc. (Navajo Tribal 282 Unit Letter Section County 28 North 12 West San Juan 1700 Dedicated Assesses: 5645 Pictured Cliffs 160 1. Ontline the accease dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and rayalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Il anawer is "yes," type of consolidation If unywer is "no!" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Commis-ছ.া∴াঃ. CERTIFICATION I haveby certify that the information contained herein is true and complete to the best of my knowledge and belief. Field Services Administrator Energy Reserves Group, Inc. June 28, 1979 Section 31 I hereby certify that the well location shown on this plat was plotted from field of octual surveys made by me or under my supervision, and that the same is true and correct to the best of my Perci. the west I make the bearing the second the s 3084

SUPPLEMENTAL TO FORM 9-331C

1: The geologic name of the formation.

Nacimiento

2. The estimated tops of important geolocic markers.

Fruitland	12001
Coal Marker	12001
Pictured Cliffs "A"	1220'
Pictured Cliffs "B"	1270'
T.D.	14501

3. The estimated depths at which anticipated water, oil, gas, and other mineral-bearing formations are expected to be encountered.

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Fruitland gas
Coal Marker water
Pictured Cliffs gas
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4. The proposed casing program, including the size, grade, and weight-per-foot of each string and whether new or used.

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7'' k-55 17# used 4\frac{1}{2}'' k-55 9.5# used
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5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series), and the testing procedures and testing frequency.

A 10" or 7" series 900 or 600 dual ram hydraulic preventor will be used. The BOP will be pressure tested to $400~\rm psi$ after installation and prior to drilling out from under surface casing.

6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

A fresh water chemical mud gel will be used for drilling. Sufficient mud materials will be on hand to control minor lost circulation.

7. The auxiliary equipment to be used such as, (1) kelly cocks, (2) floats at the bit, (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string.

Auxiliary equipment to be used will consist of: a sub on the floor with a full opening valve with drill pipe thread.

8. The testing, logging, fracing, and coring programs to be followed with provision made for required flexibility.

No DST's are planned. Logging will consist of DIL, Gamma Ray, Density-Neutron. Nitrogen-Water(foam) fracing consisting of approximately 20,000 gals. of 70% quality foam with 25,000# 10-20 sand.

9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen gas, along with plans for mitigating such hazards.

An abnormal pressure high volume gas zone might be encountered between 1000'-1500', (Fruitland Interval).

10. The anticipated starting date and duration of the operations.

It is planned to commence operations as soon as regulatory approval has been received. It is estimated that the drilling and ocmpletion operations can be completed in 10-12

MULTI-POINT SURFACE USE PLAN

1. EXISTING ROADS

- A. See attached topo map
- B. Approximately 7 miles south & 2 miles east of Farmington, New Mexico
- C. See attached topo map
- D. This is a development well
- E. See attached topo map
- F. There is an existing road within ½ mile of the location. This road will not require any improvements to allow for rig traffic.

2. PLANNED ACCESS ROADS

Approximately $\frac{1}{4}$ mile of new access road will be required. Maximum grade will be less than 10-12%. No turn outs are necessary. Culverts will be installed as per BIA recommendations. No gates, fence cuts, or cattleguards will be required. The road will require two (2) switch backs and considerable side hill cuts.

3. LOCATION OF EXISTING WELLS

See attached map

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. Energy Reserves Group, Inc. operates the Pictured Cliffs (gas) Wells within the Gallegos Canyon Unit. Gas gathering lines are owned by El Paso Natural Gas Company and are installed and operated under the rights of way terms. All production facilities are located on the individual well site.
- B. Any new facilities required will be limited to the well site. If a pit is required it will be fenced to protect the livestock and wildlife.
- C. Any disturbed areas no longer needed after drilling and completion operations will be recontoured and rehabilitated as per BIA recommendations.

5. LOCATION AND TYPE OF WATER SUPPLY

Water used for drilling wil be hauled by truck from Energy Reserves Group, Inc. disposal site located in the Gallegos Canyon Unit.

6. SOURCE OF CONSTRUCTION MATERIALS

None needed

7. METHODS FOR HANDLING WASTE DISPOSAL

The reserve pit will be of adequate size to contain cuttings and drilling fluids. Any produced hydro-carbons will be stored in tanks, produced water if any will be disposed of as per NTL-2B requirements. Garbage and other waste material will be burned or buried in a small trash pit. Upon completion of operations the entire area will be policed up and the reserve pit fenced. Any oil on the pit will be removed. The trash pit will be buried to prevent scattering of any additional trash.

8. ANCILLARY FACILITIES

None required

9. WELL SITE LAYOUT

1,2,3 See attached

It is not planned to line any pit

10. PLANS FOR RESTORATION OF SURFACE

Upon completion of operations the pit will be fenced and allowed to dry before covering. The entire area will be policed up and all trash buried or burned. Any area not needed for future operations will be recontoured and reseeded as per BIA recommendations.

11. OTHER INFORMATION

The area is generally high desert type country with high erosion potential. Most areas are deeply eroded with gullies and washes. Vegetation consists of pinion and juniper trees with sage ans other small scrub bushes, cactus and assorted native grasses. Surface ownership belongs to the Navajo Tribe under Administration of the Bureau of Indian Management. There are no continuously flowing streams in the area. The San Juan River is the nearest water. There are no occupied dwellings within one mile of the well site. An archaeological Inspection has been scheduled with the San Juan Museum.

MULTI-POINT SURFACE USE PLAN

PAGE TWO

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Fiant, T.C. Durham or Roscoe Gillespie will be responsible for assuring compliance with approved surface use and operations plan.

BILL FIANT

Box 3280 Casper, Wyoming 307-265-7331 Office 307-265-2529 Home

T.C. DURHAM

Box 977 Farmington, New Mexico 505-327-1639 Office 505-325-7978 Home 505-325-1873 #539 Mobil R. GILLESPIE

Box 3280 Casper, Wyoming 307-265-7331 Office 307-234-0745 Home 307-265-4541 Mobil

13. CERTIFICATION

See attached

CERTIFICATION

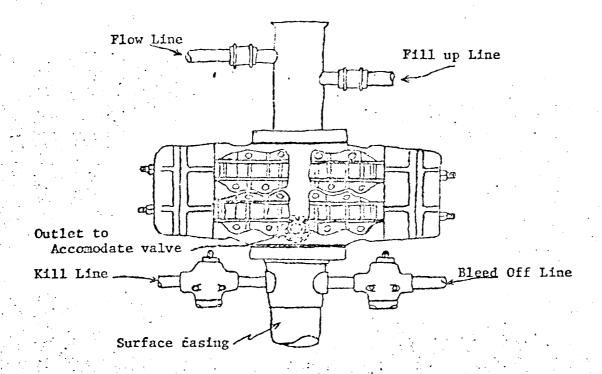
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

6-28-79 Nata

Name and Title

F. Services

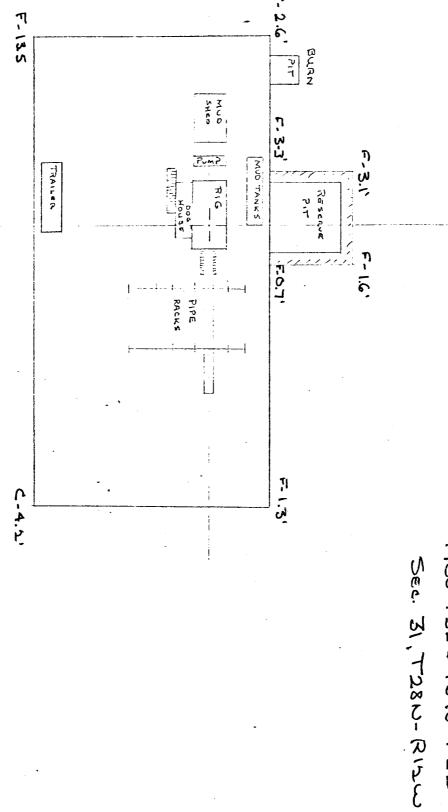


Blowout preventer is Shaffer double hydraulic equipped with drill pipe rams in the top and blind rams in the bottom.

Blowout preventer closing unit is Koomey 30 gallon accumulator unit.

When choke manifold is used, it will be installed downstream from bleed off valve.

Kill line or bleed off line may be installed at flanged opening in blowout preventer.



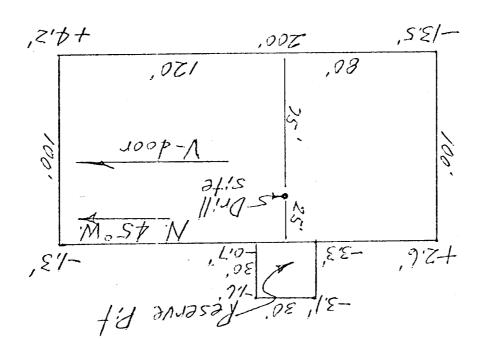
GAllegos CANYON UNIT

WELL No. #282

1700' FSL & 1590' FEL

June 14, 1979





Sen Juan County, New Mexico GCU-PC # 282 GCU-PC # 282 Energy Reserves Group, Inc. Energy Reserves Group, Inc. GCU-PC # 282 1700' FS & 1590' FE Sec 31-28N-12N San Juan County, New Mexico

