1302 152-11302

Energy Reserves Group, Inc. P.O. Box 3280 Casper, Wyoming 82602 Phone 307 265 7331

December 30, 1980

State of New Mexico Energy and Minerals Dept. Oil Conservation Division Box 2088 Santa Fe, New Mexico 87501

RE: Application for Non-Standard Location: Gallegos Canyon Unit, Well No. 318, Section 28, T28N-R12W San Juan County, New Mexico

SANTA FE

Gentlemen:

This letter, attached information, and maps is the information as requested in your letter of December 17, 1980 concerning the above referenced location.

Gallegos Canyon Unit No. 318 is a proposed Pictured Cliffs Formation well. Energy Reserves Group, Inc. is the operator of the Pictured Cliffs Formation within the Gallegos Canyon Unit. (see map for unit boundary) Energy Reserves Group is therefore the operator of the off-setting lease's within the unit boundary. All unit working interest owners are notified prior to any drilling activity within the unit. Also attached is a map defining the Block 1 area of the Navajo Irrigation project along with roads, ect. This well is located along the edge of cultivated farm land. The site chosen was determined to have the least amount of adverse effect to the farming operations. The site is adjacent to a paved highway (3003 road). It is generally understood by the operators in the irrigation project area that well site selection must take into consideration the effects of the surface equipment and its adverse effect to the farming operations. With this consideration the operator normally contacts Block personnel for their assistance in site placement. This is done prior to surveying the well site. After the application for permit to drill has been filed, an authorized representative of the Bureau of Indian Affairs Irrigation Project, inspects the site along with a U.S.G.S. and operator representative. At the time of the inspection the personnel attending sign an inspection sheet (attached) acknowledging and agreeing to the placement of the well site and with the information supplied in the plan of operations. Attached is a copy of the inspection sheet signed by Mr. Gayle Crouse representative of the Bureau of Indian Affairs.



Page 2

State of New Mexico Energy and Minerals Dept. Oil Cosnervation Division Box 2088 Santa Fe, New Mexico 87501

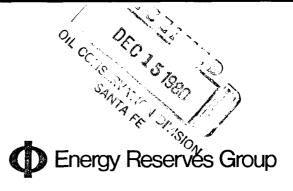
It is our hope that the information supplied is adequate for your consideration to process the application. If there is any additional information required, please let me know.

Very truly yours,

ENERGY RESERVES GROUP, INC.

William J. Fiant >> Field Services Administrator

WJF/dm



Energy Reserves Group, Inc. P.O. Box 3280 Casper, Wyoming 82602 Phone 307 265 7331

December 11, 1980

State of New Mexico Oil Conservation Division Northwest District Office 1000 Rio Brazos Road Aztec, New Mexico 87401

RE: Unorthodox Well Location - Gallegos Canyon Unit Well No. 318

Gentlemen:

Energy Reserves Group, Inc. respectfully requests approval of an unorthadox location for the below listed well based on topographical problems.

Gallegos Canyon Unit - Well No. 318 1310' FSL & 1430' FEL Section 28, T28N-R12W

This well site is located in the Block 1 area of Navajo Irrigation Project. The well site was moved from its original stake to accomidate farming activities. The area is under cultivation and over head irrigation and would have created a problem to the existing surface activity. Energy Reserves Group is the Unit Operator of the Pictured Cliffs Formation. The site has been inspected and approved by BIA project representatives.

If there are any problems or questions please call anytime.

Very truly yours,

ENERGY RESERVES GROUP, INC.

William J. Fiant Field Services Administrator

WJF/jh

STATE OF NEW MEXICO

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OIL CONSERVATION DIVISION

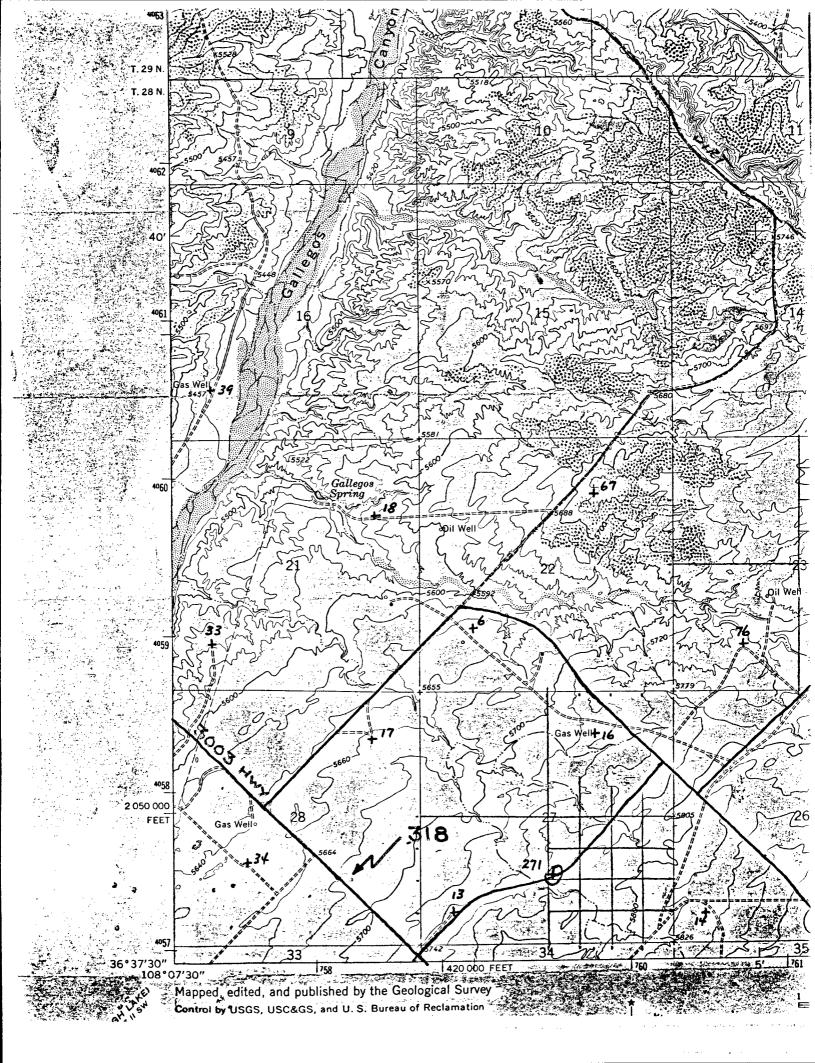
Form C-107 kevised 10-1-.

P. O. UOX 2068

SANTA FE, NEW MEXICO 87501

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Operator			Lease	· · · · · · · · · · · · · · · · · · ·		Well No.		
ENERGY RES	ERVES GROUP		GALLEGOS	CANYON UNIT		318		
Unit Letter	Section	Township	Range	CANTON UNIT	·····			
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la. TYPE OF WORK	RILL 🖾	DEEPEN	PLUG BA		7. UNIT AGREEMENT NAME
b. TYPE OF WELL					Gallegos Canyon Unit
WELL	GAS WELL X OTHER		SINGLE MULT ZONE ZONE		8. FARM OR LEASE NAME
2. NAME OF OPERATOR					9. WELL NO.
Energy Resen 3. Address of Operator	rves Group, Inc.			· · · · ·	318
P. 0. Box 32	280, Casper, Wyo	ming 82602			10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (At surface	Report location clearly and	l in accordance with any	State requirements.*)	· · · · · · · · · · · · · · · · · · ·	West Jutz Pictured Cli
					11. SEC., T., R., M., OR BLK. AND SURVEY OF AREA
At proposed prod. zone 1310' FSL & 1430' FEL					
14. DISTANCE IN MILES	AND DIBECTION FROM NEA	REST TOWN OR POST OFFI	CE*		Sec. 28, T28N-R12W 12. COUNTY OR PABISH 13. STATE
Approximate	ly seven miles s	outh of Farming	gton. New Mexic	.0	San Juan New Mexi
15. DISTANCE FROM PRO LOCATION TO NEARE	POSED*		NO. OF ACRES IN LEASE	17. NO. (OF ACRES ASSIGNED
	rlg. unit line, if any)		Jnitized		100
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OR APPLIED FOR, ON T	whether DF, RT, GR, etc.)	2,300' 1	L,630'	KO1	22. APPROX. DATE WORK WILL START*
5,688' GR (NovDec., 1980
23.		PROPOSED CASING AN	D CEMENTING PROG	RAM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
12-1/4"		24#	120'		nt to surface
6-3/4"	4-1/2"	9.5#	1,630'		nt to surface
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Energy Reser	rves Group, Inc. face to T.D.	proposes to dr	ill the above :	referenc	ced well with rotary tool
See attached	d plan of operat		mpany.		
See attached Gas is dedic	cated to El Paso		ompany.		
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ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

December 17, 1980

PRUCE KING COVERNOR

ARRY KEHOE DEP DET ADV

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-2434

Energy Reserves Group P. O. Box 3280 Casper, Wyoming 82602

> Application for Non-Standard Re: Location: Gallegos Canyon Unit Well No. 318, Sec. 28, T-29-N, R-12-W

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

A plat must be submitted clearly showing the ownership of XΖ the offsetting leases.or the unit boundary if an inside well.

A statement must be submitted that offset owners have been X notified of the application by certified mail, if any.

A plat must be submitted fully identifying the topography necessitating the non-standard location.

Please submit a copy of the letter from the project Other: manager requesting that the location be moved.

Also please submit an original signed copy. The copy in hand bears only a xeroxed signature.

R. L. STAMETS Technical Support Chief

RLS/dr



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT **OIL CONSERVATION DIVISION**

> POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE. NEW MEXICO 87501 (505) 827-2434

RUCE KING GOVERNOR LARRY KEHOE

SECRETARY

Energy Reserves Group

Re:

Application for Non-Standard Location: <u>Gallege & Conyon</u> Unit WILL No318 Sec 28-729 1V - R12 W

We may not process the subject application for non-standard location until the required information or plats checked below (is) (are) submitted.

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from the Project manager Henes ting that the location be moved very truly yours lame R. L. STAMETS Technical Support Chief * Also please submit an original signed copy, the copy in hand bears only a Xeropid signature. RLS/dr

Juli 1152-1302

	OIL CONSERVATIO	DN COMMISSION DISTRICT
]	DIL CONSERVATION COMMISSION BOX 2088 SANTA FE, NEW MEXICO	DATE Dec. 16, 1980 RE: Proposed MC Proposed NSL Proposed SWD Proposed WFX Proposed PMX
	Gentlemen: I have examined the application For the <u>energy Reserve Arp</u> . <u>I</u> Operator I	dated <u>Du. (5, 1990</u> BCU #31 <u>8</u> D-28-78N-12 Jease and Well No. Unit, S-T-R
-	and my recommendations are as follow	7S :

Yours very truly,

Brah

Supplemental to Form 9-331C

- 1. The geologic name of the surface formation is the Nacimento.
- 2. The estimated tops of important geologic markers.

Kirtland	0	260'
Fruitland	0	1,110'
Pictured Cliffs	Q	1,380'
Total Depth	0	1,630'

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

The Ojo Alamo Formation is located between 100'-700' depending on the area. The Ojo Alamo is fresh water bearing sand.

Fruitland @ 1110' may be gas productive Pictured Cliffs @ 1380' is expected to be gas productive.

4. The proposed casing program, including the size, grade, and weight-per-foot of each string and whether new or used.

8-5/8", 24#, K-55, ST&C, New Casing 4-1/2", 9.5#, K-55, ST&C, New Casing (4-1/2" will be cemented to the surface)

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.

BOE will consist of and 8" series 900, 3000 psi double ram BOP. The BOP will be tested to 500 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.

This well will be drilled using a chemical gelmud plus required additives for hole conditions and formations drilled. Normally about 25 sacks of gel will be on location at one time. Additional materials are available locally in the Farmington Area which could be hauled to the location within thirty minutes.

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.

A kelly cock stop for 3-1/2" drill pipe plus a sub with a full opeining valve with drill pipe thread will be available on the rig floor

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

DEC 1520,000 gallons of 70% quality foan with 25,000 pounds of 10-20 sand.

OIL CONSTRUCTION DIVISION

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

No abnormal pressures or temperatures are anticipated. H_2s is not a problem in this area.

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Page 2

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

It is planned to commence operations as soon as regulatory approval has been received and a rig becomes available. It is anticipated that it will take approximately 3 to 4 days to drill and log this well.

MULTI POINT SURFACE USE PLAN

1. Existing Roads

There is an existing improved (black top) road way adjacent to the proposed well site. No maintenance is required on this public road

2. Planned Access Roads

None needed

3. Location of Existing Wells

(See attached map)

This well is within the Gallegos Canyon Unit, Pictured Cliffs particapating area. There are numerous wells operated by Amoco and Energy Reserves Group.

4. Location of Existing and/or Proposed Facilities

(See attached map)

Most Energy Reserves Group wells in the Gallegos Canyon Unit are equipped with a separator to remove free water. El Paso Natural Gas Co. (gas purchaser) usually installs a Glycol unit at each site. In addition all gas gathering lines are owned by El Paso. There are 4 disposal systems within the Gallegos Canyon Unit. These systems consist of buried plastic pipelines. If the well becomes productive all facilities will be within the previously distrubed areas. A small (20'x20'x6') pit may be required if any water is produced. The pit will be fenced sheep tight to protect livestock and wildlife. The reserve pit will be fenced and allowed to dry. As soon as it is sufficiently dry it will be backfilled and recontoured to its original contour.

5. Location and Type of Water Supply

Water will be hauled from Energy Reserves Group's disposal system or from the San Juan River. Method of transportation will be by truck.

6. Sources of Construction Materials

None are necessary.

7. Methods for Handling Waste Disposal

All drill currings and fluids will be disposed of in the reserve pit. Any produced fluids will be contained in portable tanks. A portable chemical toilet will be used during drilling and completions operations. Trash will be disposed of in a small trash pit constructed along-side of the reserve pit.

8. Ancillary Facilities

None are necessary.

9. Well-Site Layout

See attached plat.

10. Plans for Restoration of Surface

Upon completion of the well the reserve pit will be fenced and allowed to dry. Any accumulation of oil will be skimmed off the pit and trucked to a disposal site. The disturbed areas will be recontoured to its original contour and re-seeded as per Bureau of Land Management or Bureau of Indian Affairs recommendations. It is planned to commence rehabilitation as soon as the pit has dried and weather permits.

11. Other Information

The topography of the general area slopes from the south to the San Juan River Drainage. The majority of the surrounding drainages are of a nonperennial nature with a normal flow limited to spring run off and heavy rain storms.

The soils in this semi-arid area are of the Nacismento formation and are largely light brown, sandy soils with poorly graded gravels. Out crops of sanstone and conglomerates are common.

Due to the low precipitation average, climatic conditions, and this marginal types of soils, the vegitation that is found in the area is common of the semi arid region we are located in and consits of pinion pins and juniper trees, sagebrush, rabbit brush, some sparce grasses and cacti as the primary flora. The fauna of the area consists predominantly of mule deer, coyotes, rabits, and varities of small rodents.

The area is used by man for the primary purpose of domestic livestock grazing. Some of the area is within the Navajo Irrigation Project which is presently under cultivation. These areas are used for farming a variety of different crops.

12. Lessee's or Operator's Representative

Bill Fiant P.O. Box 3280 Casper, Wyoming 82602

Telephone: 1-307-265-7331

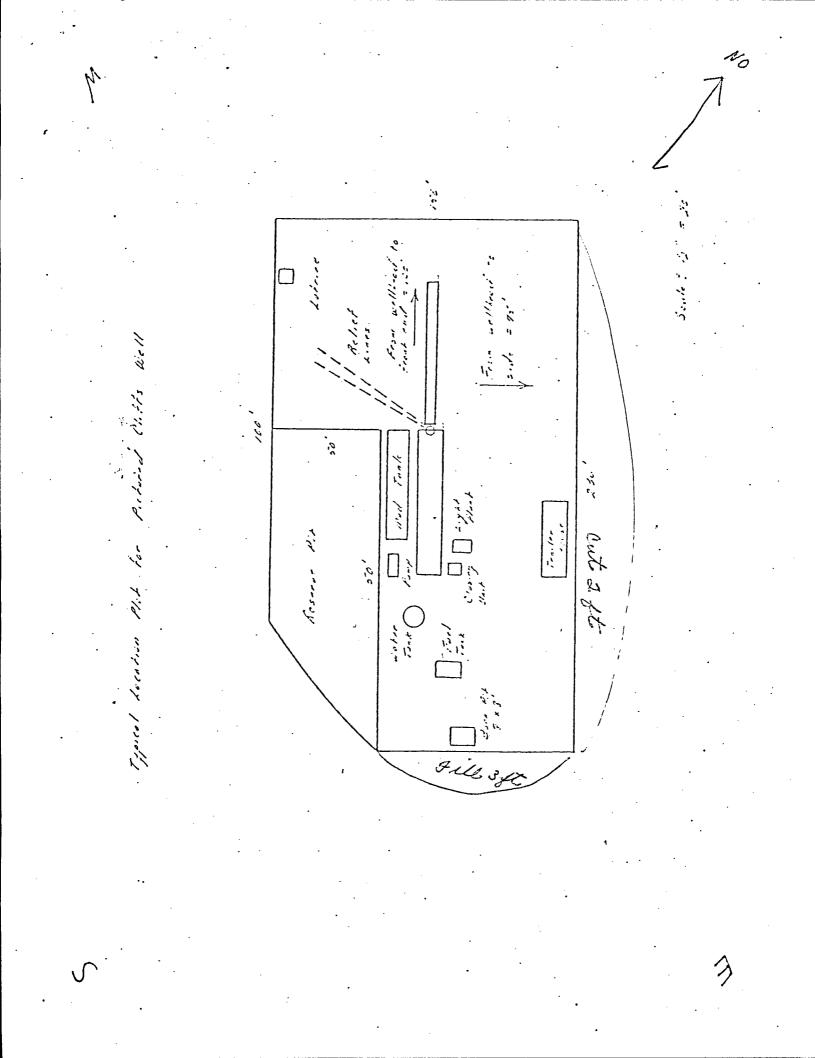
13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site 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 operations proposed herein will be performed by ENERGY RESERVES GROUP and its contractors and sub-contractors and in conformity with this much and terms and conditions under which it is approved.

12-11-80 Date

William J. Fiant

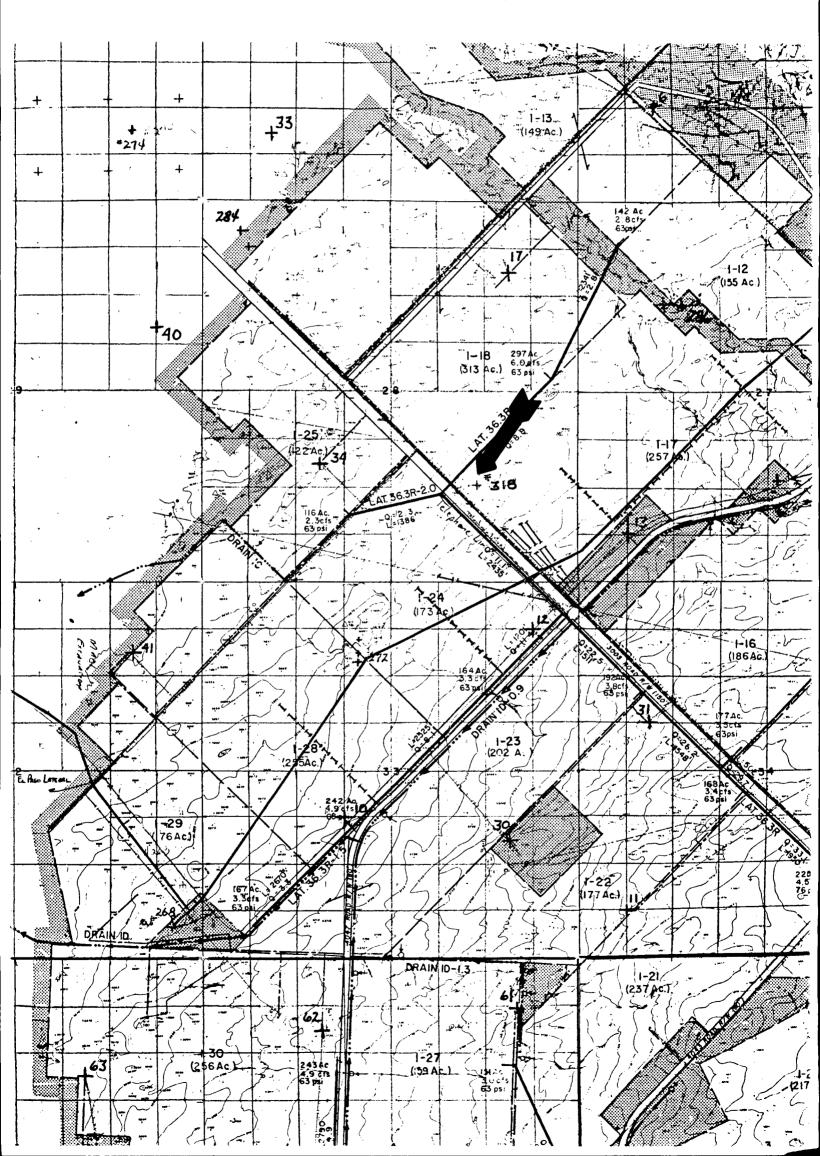
Page 2





NAVAJO IRRIGATION PROJECT - Block I Area

Shaded areas indicate area not cultivated but within project.



这些是一些正式,这些是我们的现在分词是一些新闻的是我们都是我们的是不可能是我们的。 Nell Name <u>Jallegos Canyon Unit #318</u> Location <u>SE 28-28-12</u> Formation We, the undersigned, have inspected this location and road. U. S. Forest Service Date 9-12-80 Date R. Henderson Archaeologist 9-12-50 aler Bureau of Indian Affairs Representative Bureau of Land Management Representative Date 9-12-80 U. S. Geológica, Survey Representative - AGREES Date TO THE FOOTAGE LOCATION OF THIS WELL. REASON: Seed Mixture: Equipment Color: Road and Row: '(Same) or (Separate) Remarks: