SUBMIT IN TRIPLICATE*

Form approved. Budget Bureau No. 42-R1425.

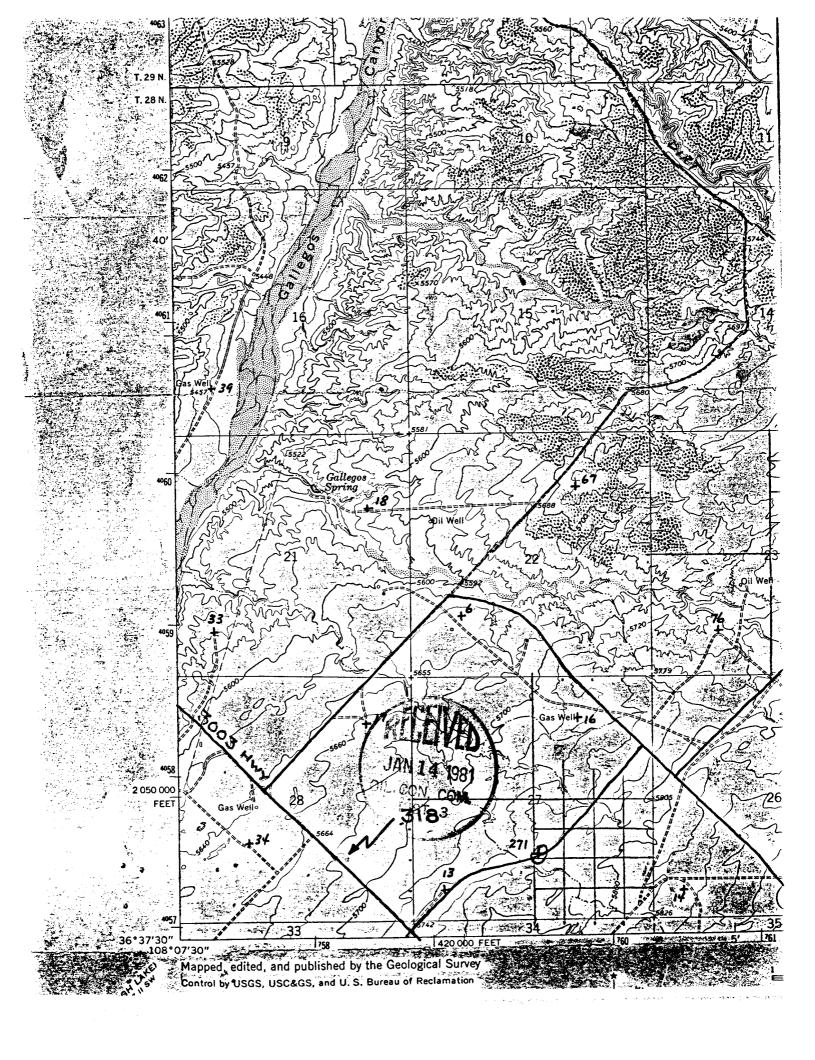
(Other instructions on reverse side)

30 - 045 - 24499 5. LEASE DESIGNATION AND SERIAL NO.

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DEPARTMENT	OF	THE	INTER	IOR

		GICAL SURVEY			SF078828-A
APPLICATION	FOR PERMIT T	O DRILL, DEE	PEN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
a. TYPE OF WORK	L X	DEEPEN	PLUG BAC	rk 🗆	7. UNIT AGREEMENT NAME
b. Type of well	L IXI	DEEFELA			Gallegos Canyon Unit
OIL GAS	SLL X OTHER		SINGLE MULTIPE	L. III	8. FARM OR LEASE NAME
NAME OF OPERATOR					198
Energy Reserv.	es Group, Inc.				9. WELL NO. 318
P. O. Box 328	0, Casper, Wyon	ning 82602	State requirements *)		10. FIELD AND POOL, OR WILDCAT
At surface	port location clearly and	in accordance with any	State requirements.	= = = = = = = = = = = = = = = = = = = =	West 20tz Pictured Clif
At proposed prod. zone	1310' FSL &	1430' FEL		3 Ec. 3 5	Sec. 28, T28N-R12W
4. DISTANCE IN MILES A	ND DIRECTION FROM NEAD	REST TOWN OR POST OFF	ICE*	÷:	12. COUNTY OR PARISH 13. STATE
Approximately	seven miles so	outh of Farmin	gton, New Mexico	- 4	San Juan New Mexic
5. DISTANCE FROM PROPO LOCATION TO NEAREST	SED*	16.	NO. OF ACRES IN LEASE	17. NO.	OF ACRES ASSIGNED
PROPERTY OR LEASE L. (Also to nearest drig	. unit line, if any)		Unitized 1767		160
8. DISTANCE FROM PROPO TO NEAREST WELL, DE	HLLING, COMPLETED,	· · · · · · · · · · · · · · · · · · ·	PROPOSED DEPTH		ARY OR CABLE TOOLS
OR APPLIED FOR, ON THI		2,300'	1,630'	l Ko	22. APPROX. DATE WORK WILL START*
1. ELEVATIONS (Show whe 5,688 GR (U					NovDec., 1980
3.		PROPOSED CASING A	ND CEMENTING PROGRA	AM .	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	,:	QUANTITY OF CEMENT
2-1/4"	8-5/8"	24#	120!		nt to surface
6-3/4"	4-1/2"	9.5#	1,630'		nt to surface * - 0
N ABOVE SPACE DESCRIBE one. If proposal is to reventer program, if an	plan of operat ated to El Raso PROPOSED PROGRAM: If drill or deepen direction	Natural Gas (JAN OIL CO DIS	oresent pro	ductive zone and proposed new productive red and true vertical depths. Give blowout
signed Little	Dlag Van	TITLE	Field Services !	Adminis	stratomare 12-11-80
(This space for Fede	eral Amil Bulle			1	
DEDMIN VO	AS AMEND	ED	APPROVAL DATE		
APPROVED BY CONDITIONS OF APPRO	PJAN 1/3 /9	181 TITLE			DATE
: L	DISTRICT ENGIN	processor to a			
N	56 1302	ohzm	MMOCC		en e

MMOCC



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 @ 260'
Fruitland @ 1,110'
Pictured Cliffs @ 1,380'
Total Depth @ 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.

No coring is planned and no DST's are planned. Logs will consist of IES, CNL and FDC. Fracing will consit of Nitrogen water (foam) fracing, approximately 20,000 gallons of 70% quality foan with 25,000 pounds of 10-20 sand.

9. Any 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. ${\rm H}_2{\rm s}$ is not a problem in this area.

Page 2

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

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

Page 2

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 non-perennial 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

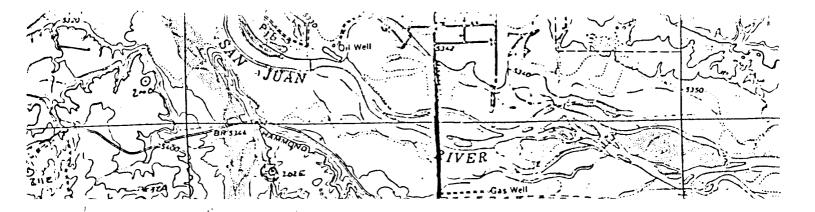
Telephone: 1-307-265-7331

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 and terms and conditions under which it is approved.

William J. Fiant

12-11-80



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION P. O. DOX 2088 SANTA FE, NEW MEXICO 87501

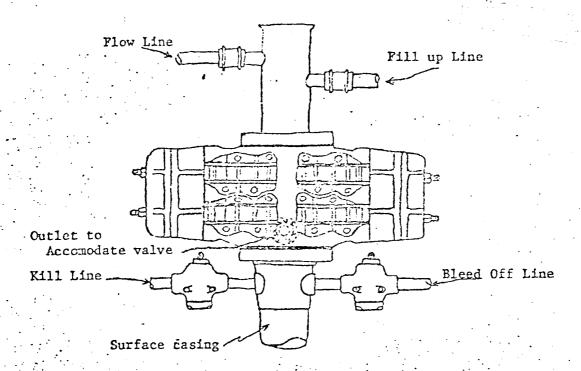
Form C-107 Revised 10-1-;

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			Lease	Lease			Well No.	Well No.	
	ERVES GROUP		G/	ALLEGOS CA	NYON UNIT		318		
Unit Letter	Section	Township	Ro	nge	County				
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Actual Footage Loc		Sauth		1430'					
Ground Level Elev:	feet from the		Pool	1430	feet from the	East	line		
5688		red Cliffs	I *	Vuta Diet	tured Clif	ے۔	Dedicated Acreage		
		icated to the subj					160	Acres	
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Vicinity Map for ENERGY RESERVES GROUP #318 GALLEGOS CANYON UNIT 1320'FSL 1530'FEL Sec. 28-T26N-R12W

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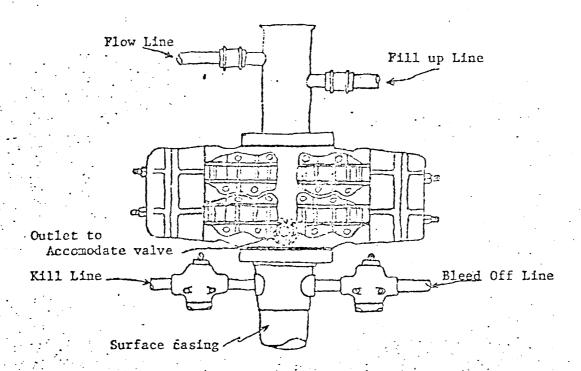


Blowout preventer is Shaffer double hydraulic equipped with drill pipe rams in the top and blind rams in the bottom.

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.



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