SUBMIT IN TRIPLICATE*

(Other instructions on

Form approved, Budget Bureau No. 42-R1425.

UNITED STATES

DRILL E DEEPEN DRUGE BACK Gallegos Canyon Unit WHILL OTHER SINGE ADDRESS OF SINGE CANYON UNIT Energy Reserves Group, Inc. 3. Wall No. 291 10. FIELD AND FOOL, OR WILDGAY WELL (Report location clearly and in accordance with any State requirements.) At proposed prod. zone 1850' FSL & 1830' FEL (NW/SE) 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At proposed prod. zone 1850' FSL & 1830' FEL (NW/SE) 4. LOCATION TO WELL (Report location recently and in accordance with any State requirements.) At proposed prod. zone 1850' FSL & 1830' FEL (NW/SE) 6 miles east & 3 miles south of Farmington, New Mexico 10. DISTANCE FROM PROPOSED LOCATION TO NARREST TOWN OR FOST OFFICE* COUNTY OR NARREST PROPOSED LOCATION TO NARREST TOWN OR FOST OFFICE* (Albo to neerest drig. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION TO NARREST TOWN OR FOST OFFICE* 19. PROPOSED LOCATION TO NARREST TOWN OR ADDREST TOWN OR FOST OFFICE* OR APPLIED POS. ON THIS LEARS, TT. (Albo to neerest drig. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION TO NARREST TOWN OR NARREST TOWN OR NARREST TOWN OR NATE WORK WILL START' 5660' Gr. (ungraded) PROPOSED CASING AND CEMENTING PROGRAM SIZE OF HOLE SIZE OF CASING Welcht PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12 1/4" & \$5/8" 24# 120'-200' Cement to surface 14 1/2" 9.5# 1800' 250 sx. 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 @ 1550'-1880'. No DST's are planned. Copies of all logs run will be furnished upon completion of the well. It is planned to drill a 12½" hole 120'-200' maximum, set 8 5/8", 24# casing to that depth. Drill 6 3/4" hole to T.D. and set 4½", 9.5# casing. Cement to		DEPARTMEN	T OF THE INT	'ERIOR	ide	5. LEASE DESIGNATION SF-078109	
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(This space for Federal or State office use)		don Ha	TITLE _	Field Services A	dminis	t. DATE Sept	tember 14, 1979

oh Frank

CONDITIONS OF APPROVAL, IF ANY:

PERMIT NO. __

APPROVED BY __

nmocc

TITLE __

*See Instructions On Reverse Side

DATE _

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State 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.

Tiem 1. If the proposal is to redulin to the same reservoir at a different subsurface incation or to a new reservoir, use this form with appropriate notations. Consum applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

¢ GPO 782-931

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-102 Revised 10-1-78

All distances must be from the outer boundaries of the Section.

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Operator ENERGY RESE	ERVES GROUP		Le	GALLI	EGOS CANYO	ON UNIT		Well No.
Unit Letter	Section	Township		Range		County		
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		20	N	:	TCM	San	Juan	•
Actual Footage Loc 1850		outh	line and	1850	fee	t from the	East	line
Ground Level Elev. 5760	Producing Fo		Po				_	Dedicated Acreage:
		e <u>d Cliff</u>			<u>t Kutz Pi</u>			160 — Acres
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.								
If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).								
	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?							
Yes			yes," type of c		ation			
		owners an	d tract descrip	tions w	hich have ac	tually bee	en consolida	uted. (Use reverse side of
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Supplemental to Form 9-331C

1. The geologic name of the surface formation.

Ojo Alamo

2. The estimated tops of important geologic markers.

Fruitland 1250'
Coal Marker 1350'

Pictured Cliffs 1550' - 1800'

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

The Pictured Cliffs Formation @ 1550'-1800' 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# @120'-200' cement to surface

4 1/2" 9.5# @1800' cement with 250 sx.

- 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.

 Pressure control equipment to consist of an 8" hydraulically operated double ram BOP series 900, 3000#. The BOP will be pressure 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.

Well is to be drilled with gel mud plus required additives for hole conditions and formations to be drilled. Normally about 25 sx. of gel will be on location at one time.

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.

Kelly cock stop for 3½" drill pipe, and a full opening floor valve to stab into the drill pipe.

Page 2

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

No coring is planned, no DST's are planned. Logs will probably be IES only. Nitrogenwater (foam) fracing consisting of approximately 20,000 gal. 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 sulfide gas, along with plans for mitigating such hazards.

No abnormal pressures or temperatures are anticipated. H2s is not a potential problem in the area.

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 can be obtained. It is anticipated it will take 3-4 days to drill and log this well.

MULTI-POINT SURFACE USE PLAN

1. EXISTING ROADS

Go east from Farmington $6\frac{1}{2}$ miles, turn south for approximately 2 miles, turn west $1\frac{1}{2}$ miles, go south one mile.

2. PLANNED ACCESS ROADS

Approximately 300" of new road will be required

3. LOCATION OF EXISTING WELLS

- A. (1) None anticipated
 - (2) A separator may be required if well produces fluid
 - (3) N.A.
 - (4) If the well is a producer, El Paso Natural Gas Company will install gathering lines under right-of-way permit.
 - (5) N.A.
 - (6) N.A.
- B. If the well is productive, all facilities will be within the disturbed area. A small pit (20'x20') may be required if any water is produced. The pit will be fenced with sheep wire tp protect livestock and wildlife.
- C. If the well is productive, the reserve pit will be fenced and allowed to dry up. As soon as it is dry, it will be filled and the area restored to its original contour. All trash and debris will be removed.

If the well is dry, the pit will be fenced and allowed to dry. The location and access road will be recontoured and reseeded as per 3LM recommendations.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled by truck, probably from well 267 injection facilities or Hammond Ditch.

6. SOURCE OF CONSTRUCTION MATERIALS

None anticipated

7. METHODS FOR HANDLING WASTE DISPOSAL

- (182) All cuttings and drilling fluids will be contained in the reserve pit.
- (3) Produced fluid, if any, will be contained in portable tanks, unless it is good water which will be directed into the pit and allowed to evaporate or soak into the ground.
- (4) A portable toilet will be used during drilling and completion operations.
- (5) All trash will be buried in a small trash pit along side of the reserve pit.
- (6) See item 4-C

8. ANCILLARY FACILITIES

None required

9. WELL SITE LAYOUT

- (1) See attachment
- (2) See attachment
- (3) See attachment
- (4) It is not planned to line any pits

ENERGY RESERVES GROUP, INC.

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 has been policed up.

The disturbed area will be recontoured to its original contour and reseeded as per BLM's recommendations. It is planned to commence rehabilitation as soon as the pit has dried and weather permits.

11. OTHER INFORMATION

- (1) The area is generally rolling hills near the well site. The soil is composed mostly of sand with only sparce vegetation. Sage brush, cactus and assorted native grasses. Wildlife consists of rodents and birds.
- (2) The surface is public land and is not presently used for any activity, ie: grazing, recreation, etc.
- (3) The San Juan River is appx. 24 miles north of the proposed well.

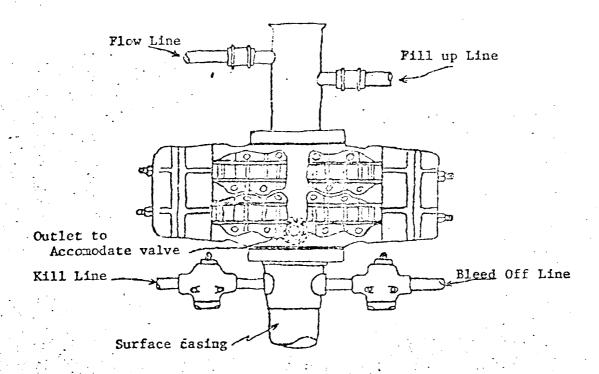
There was no evidence of any historical archaeological or cultural sites in the area to be disturbed.

Certification Attached.

CERTIFICATION

Typical Location Plut for Peturial Custs well

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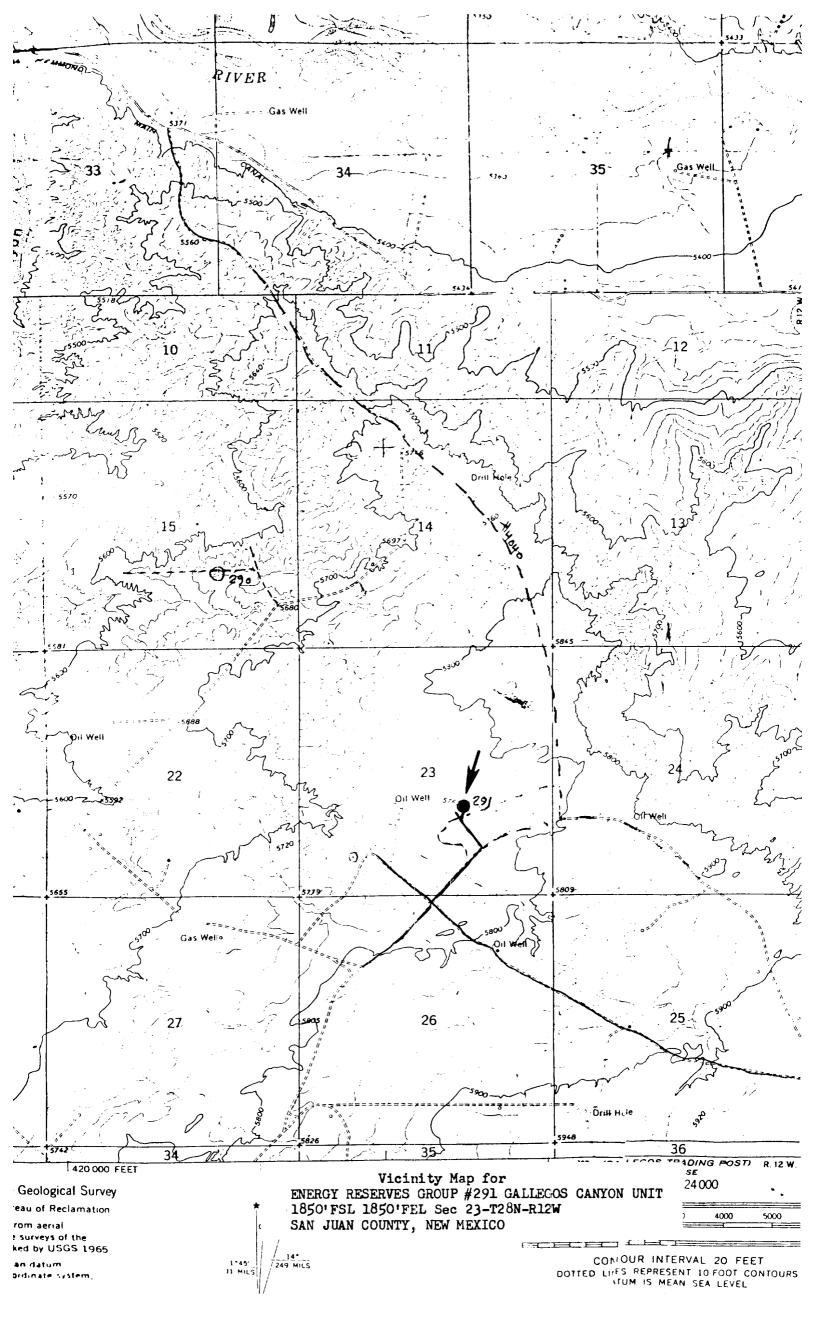


Blowout preventer is Shaffer double hydraulic equipped with drill pipe rams in the top and blind rams in the bottom.

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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Well Name Sallegos Canyon Unil	t # 291
Location S E 23-28-12	
Formation ${\longrightarrow} \mathcal{P} \mathcal{C}$.	
We, the undersigned, have inspected this location	n and road.
U.C. Farrance	-
U. S. Forest Service	Date .
Archaeologist Tord	9/5/79 Data
Bureau of Indian Affairs Representative	Date
BB Nule	9/5/29
U. S. Geological Survey Representative	Date
U. S. Geological Survey Representative	Date
Seed Mixture:	
Equipment Color: STOWN	
Road and Row: (Same) or (Separate)	
Remarks:	•
•	