SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

	GFOL (OGICAL SUR	VFY	-			O. BEASE DESIGNATION AND SERIAL NO.
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							14-20-603-2085 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1a. TYPE OF WORK				-11, OK 11		7011	Navajo Tribal
b. TYPE OF WELL	RILL XXX	DEEPEN		PLU	JG BAC	K 🗌	7. UNIT AGREEMENT NAME
on 40	WELL OTHER			NGLE XX	MULTIPL	E П	S. FARM OR LEASE NAME
2. NAME OF OPERATOR		· · · · · · · · · · · · · · · · · · ·			20.18		Old Trading Post
	ves Group, Inc.			···			9. WELL NO.
3. ADDRESS OF OPERATOR		22602					4
PO BOX 3280 4. LOCATION OF WELL (1	Casper, Wyomi Report location clearly an	d in accordance	with any S	tate requiremen	its.*)		Bisti Zowe 1
At surface							11. SEC., T., E., M., OR BLK.
At proposed prod. zo	ne 1980' FSL &	660' FWL	(NW/S	W)			AND SURVEY OR AREA
(4							Section 10, T26N-R14W
	AND DIRECTION FROM NE		-			_	12. COUNTY OR PARISH 13. STATE
15. DISTANCE FROM PROF		n west of		gton, New			San Juan New Mexi
LOCATION TO NEARES PROPERTY OR LEASE	LINE, FT.	3300'		21.			HIS WELL.
8. DISTANCE FROM PRO	g. unit line, if any) POSED LOCATION*			OPOSED DEPTH		20. ROTA	RY OR CABLE TOOLS
OR APPLIED FOR, ON TH	DRULLING, COMPLETED, HIS LEASE, FT.	990'		4970'		R	Rotary .
	hether DF, RT, GR, etc.)				· · · · · · · · · · · · · · · · · · ·		22. APPROX. DATE WORK WILL START*
6075' Gr. ((ungraded)						July, 1979
· · · · · · · · · · · · · · · · · · ·		PROPOSED CAS	SING ANI	CEMENTING	PROGRAM	1	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER	FOOT	SETTING DE	EPTH		QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#		<u>500'</u>		Cemen	nt to surface
7 7/8''	5 1/2"	1.4#		4970'		_250_s	5X
600 or 900 di	Jal ram hydraul E PROPOSED PROGRAM: If drill or deepen direction	ic BOP pre	SSUTE	tested to	JUN OIL CO	psi.	RECEIVED JUN 4-1979 790. S replocical Survey Junuary 2010 and proposed new productive and true vertical depths. Give blowout
gigned (This space for Fede	eral or State office use)		Fi	eld Servi	ces Adı	mn.	5-29-79
•							
PERMIT NO.				APPROVAL DATE			
APPROVED BY	·		TITLE				DATE
CONDITIONS OF APPROV			,				
υh	Srech		S)	moc			

NUV - R-5464

*See Instructions On Reverse Side

Operator Energy Reserves Group, Inc. 'nit I etter San Juan 14 West 26 North Actual Flooring Lucition of Walls South feet imm the Ground ... 012 6:34. Proposing Connects 6075 GALLUP 1. Outline the acreage dedicated to the subject well by colored pencil or anchore 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 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? If answer is "yes!" type of consolidation Yes No If answer 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, Lore i positing, or otherwise for well a non-standard unit, climinating such interests, has been approved by the Commis-CERTIFICATION I haraby cartily that the information comtained herein is true and complete to the best of my knowledge and belief. Section 10 I hereby certify that the well location shown on this plat was plotted from field nates of actual surveys made by me or under my supervision, and that the same is this and correct to the best of my 1980 COMMENT OF THE PROPERTY OF THE 3084 .g (23) (38), par 25), (24), (270), (40), (5), (50)

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

Pictured Cliffs	1175'
Mesaverde	1915'
Mancos	38251
Gallup	47251
L. Gallup	48901
T.D.	4970'

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

The Lower Gallup @ 4890' is expected to be oil 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"	k-55	24#	new
5	1/2"	k - 55	14#	new & used

- 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 a 10" series 900, 3000# dual ram hydraulic preventor w/pipe and blind rams, pressure tested to 800 psi after installation and prior to drilling out from under surface casing.
- 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 base gel mud will be used through out the entire operation. Mud weights will be controlled by controlling drilling fluids. Sufficient mud materials to maintain mud requirements and to control minor lost circulation and blow out problems, will be stored at the well site.

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 will consist of:

Kelly cock, a float at the bit, monitoring equipment on the mud system, and a stab in valve w/drill pipe thread on the rig floor.

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

One DST of the Lower Gallup may be run. No cores are planned. Logs will consist of DIL, Gamma Ray, Density & CNL. It is planned to fracture the well with a water base gel containing approximately 60,000 gals. of liquid & 60,000# of sand, after breaking down with 1000 gal. 15% HCL.

 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 expected. No H2s is anticipated.

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

It is planned to commence operations as soon as regulatory approval has been obtained. It is estimated that it will take 15 days to drill, test, log, and complete this well.

1) EXISTING ROADS

(A,B,C,D,& E) See attached topographic map

(F) The existing road into Section 10 is serving a producing well. This road is presently maintained by Energy Reserves Group, Inc.

2) PLANNED ACCESS ROADS

Well #6 will require that approximately # mile of new access road be constructed.

Well #4 will require that approximately 200' of new access road be constructed.

Well #5 will require that approximately 4 mile of new access road be constructed.

Well #7 will require that approximately 3/8 mile of new access road be constructed.

- (1) The maximum width of roads will be limited to a 20' running surface.
- (2) Maximum grades will be less than 8% maximum.
- (3) No turn outs are planned
- (4) It is planned to ditch & crown the road to provide adequate drainage.
- (5) Culverts will be installed as prescribed by the BIA.
- (6) No surfacing material will be required.
- (7) NA
- (8) Roads are flagged.

3) LOCATION OF EXISTING WELLS

See attached map

4) LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.

See attached topogaraphic map

- A. Energy Reserves Group's existing tank battery serving Well #1 is located near the center of Section 10. There is flowline from Well #1 to the existing battery. Well #3 is presently shut-in.
- B. If production is established it is planned to install a pipeline from each well to the existing battery. The pipe line will consist of a 3" welded line, buried to approximately 3" parallel with the access road. If production volume is significant it may be necessary to install an additional 400 Bbl. tank @ the existing battery site. The tank battery and pumping equipment will be fenced to protect livestock and wildlife.
- C. Any areas not needed for production purposes will be rehabilitated and reseeded to BIA recommendations.

5) LOCATION AND TYPE OF WATER SUPPLY

Water used for drilling and completion operations will be hauled by truck over existing improvised roads to the well site. Water will be used from Energy Reserves Group disposal system in the Gallegos Canyon Field.

6) SOURCE OF CONSTRUCTION MATERIALS

Access will be across lands controlled by the Navajo Nation. It is not planned to gravel any roads.

7) METHODS FOR HANDLING WASTE DISPOSAL

The reserves pit will be of adequate size to handle well cuttings and drilling fluids. If well produces any water, the disposal will comply with NTL-2B requirements. Garbage and other waste material will be put into a deep trash pit and buried or burned. The pit will be fenced with sheep wire to prevent the scattering of trash. When the rig has completed operations the area will be policed up and the trash pit buried.

8) ANCILLARY FACILITIES

No Ancillary facilities will be necesarry.

WELL SITE LAYOUT

See attached drawing It is not planned to line any pits.

10) PLANS FOR RESTORATION OF SURFACE

After drilling and completion operations are terminated, the reserve pit will be fenced and allowed to dry. If there is any oil on the pit it will be removed. As soon as the pit is dry and weather permits, the entire disturbed area will be re-contoured and reseeded as per BIA recommendations. Rehabilitaion operations will commence as soon as weather permits.

11) OTHER INFORMATION

The area is generally arid high desert country with gentle rolling hills and numerous small dry gulleys and washes. Vegetation consists of sage and other small scrub bushes, cactus and assorted native grasses. Soil is mostly sandy loam with some blow sand. Wildlife is sparce, coyotes, mule deer, rabbits, badgers, and other small rodents and birds. The surface and minerals belong to the Navajo Nation. There are no occupied dwellings in the immediate area. An archaeological inspection has been completed with no significant material in the areas to be disturbed. The only known use of the surface is for livestock grazing. Surface lessor is Mr. Jonas Blue Eyes of Fruitland, New Mexico.

12) LESSEE'S OR OPERATORS REPRESENTATIVE

Mr. Bill Fiant or Mr. T.C. Durham will be responsible for compliance with the approved plan.

Bill Fiant T.C. Durham Box 3280 Box 977

Casper, Wyoming 82602 Farmington, New Mexico 87401

Mobile: 505-325-1873 #539

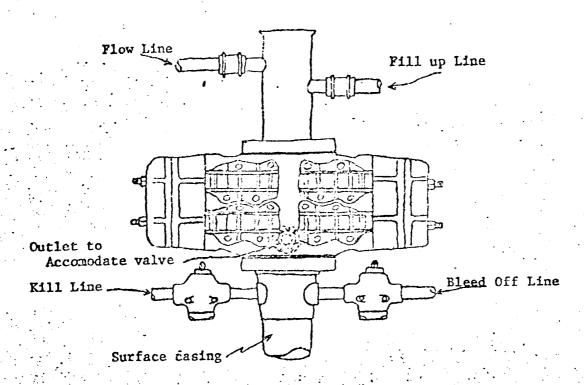
13) CERTIFICATION

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.



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.

Energy Reserves Group, Inc.

1980' FS & 660' FW Sec 10-26N-1hW San Juan County, New Mexico

	+0.4 60 -1.5. Reserve Pit 60.	·
7	2.6 +0.5 30 30 -0.1 N. 30 W	3.9
	o.o' Sprill Site	
	V-door 32	
+6.5	100° 165°	-1.0°
	Site Tank Battery Capital	3084 300 PARTIES OF NEW MEN
+12.7	265	<i>+1.9</i>

1980' FSL + 660' FWL Sec. 10, T 26N-R14W WELL NO. 4 PIPE F-0.7 1.5 C-0.4' R-30300.E MUD TANKS TRAILER CO.5' 日よると 7.4 ر. ان ان

