SUPPLY IN THE BLATE* (Other instructions on reverse side)

Form spirewed. Budget bureau No. 42 E1425

UNITED STATES

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DEPARTMENT OF THE INTERIOR					+	5. TRAST DENI NATION AND RESIAL NO.			
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This weller 11 be spud in Quaternary terrace gravels and will be drilled with mud to total depth in the Cretaceaous Point Lookout Formation after setting and cementing 8-5/8" surface casing. We will run electric logs at total depth and set 41 casing for production if warranted. Well will be cored if oil sands are encountered. We estimate the following F <u>2</u> 3 formation tops:

Cretaceous Menefee Formation - Surface Cretaceous Point Lookout Formation - 1700'

Eastland Oil Petco No. 1 Federal was drilled 1100' of the proposed location and to the same depth. It encountered no abnormal temperatures or pressures. No other potential hazards are anticipated. Pressure control equipment will include 60 feet of 82" 24.00# surface casing cemented to surface. We do not plan on using a preventer unless required. Bottom hole pressure is anticipated to be 800 PSI or less. Mud program will call for 9.2 lb/gal mud with hydrostatic head of 750 PSI at 1500 feet. Mud weight will be increased if necessary for (OVER PLEASE)

SUPPLIES TO

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zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout p

preventer program, u any.		<u> </u>
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(This space for Federal or State office use)		/ALLIVA
APPROVED BY BY ALER ALANA PAR	APPBOVAL DATE	DEC 1 2 1980
CONDITIONS OF ATTROVAL, IN ANY	Misoci,	DIST. 3
13~	*See Instructions On Reverse Side	- Sandiffering

Instructions

proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either necessary special instructions concerning the use of this form be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. be obtained from, the local Federal and/or State office. This form is designed for submitting and the number of copies to

Consult Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Iten 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Cousuit local

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. State or Federal office for specific instructions.

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.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-396

---continued---230.171

higher pressures. Mud will be low solids low water loss. The well will be mud-logged from surface to T. D. with a total hydrocarbon sniffer and a hydrogen flame chromatograph: If oil sands are encountered the well will be cored. At T.D. the well will be logged with Dual Induction Laterlog and porosity tool (probably Density Log). The well will be spud as soon as approval is received, and is anticipated to take over one week from move-in to logging.

FORM 24-11

### Section Platfall GOL. Stay IOS Platfall GOL. Stay IOS Page P	All distances mus	the from the cover houndaries.	of the Section.		
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1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 roadily). 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-peoling, etc? Yes		• and 1650 fee	t from the East	line	
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COLORADO PLATEAU GEOLOGICAL SERVICES, INC. P.O. Box 587

FARMINGTON, New Mexico 87401

October 14, 1980

(505) 325-9671

☆ Surface & Sub-Surface Studies

☆ Well Site Supervision

🚓 Exploration Program Planning & Supervision

☆ Property Development and Monogement.

Geological Survey - Farmington District P. O. Box 959
Farmington, New Mexico 87401

United States Department of Interior

RE: Multi-point surface use & operations plan for Black Oil - CPGS, Inc. Marlebru Federal No. 2 NW4 of NE4, Section 19, T. 18 N., R. 4 W., Sandoval County, New Mexico

Gentlemen:

In compliance with governmental requirements, I hereby respectfully submit the following environmental surface use and operating plan data to accompany the application for permit to drill the above referenced test well.

- 1. Existing roads Enclosure 1 is a zerox copy of a portion of the USGS 15 minute Albuquerque quadrangle topographic map on a scale 1 to 250,000 which shows the proposed wellsite in relation to Torreon and other small towns in the area. The proposed route from Hiway 44 is shown in red. Access to the location from Torreon Trading Post is by criving westerly 1½ miles to Julio Juan Canyon, then northwesterly by ½ mile of dirt road to the drill site as indicated by the attached vicinity map (Enclosure 2). All other existing roads within a three mile radius are dirt roads in fair to excellent condition.
- 2. Flanned access roads Existing dirt roads will be utilized to within 1/16 mile of drill-site from which point a minimum width graded access road will be prepared to drillsite. This road will be on a less than 10% grade and will terminate at the drillsite. No culverts or surfacing material will be necessary. No fences will be cut and no additional gates or cattle guards will be needed.
- 3. Location of tank batteries, production facilities, and production, gathering and service lines. None at present. If production is established at this well, adequate production facilities including a tank battery will be installed on location immediately southeast of the wellsite. Sumps will be fenced to prevent hazards to wild life and livestock.
- 4. Location of existing wells The only existing known water well within a two mile radius is shown on Enclosure No. 2 circled in green.

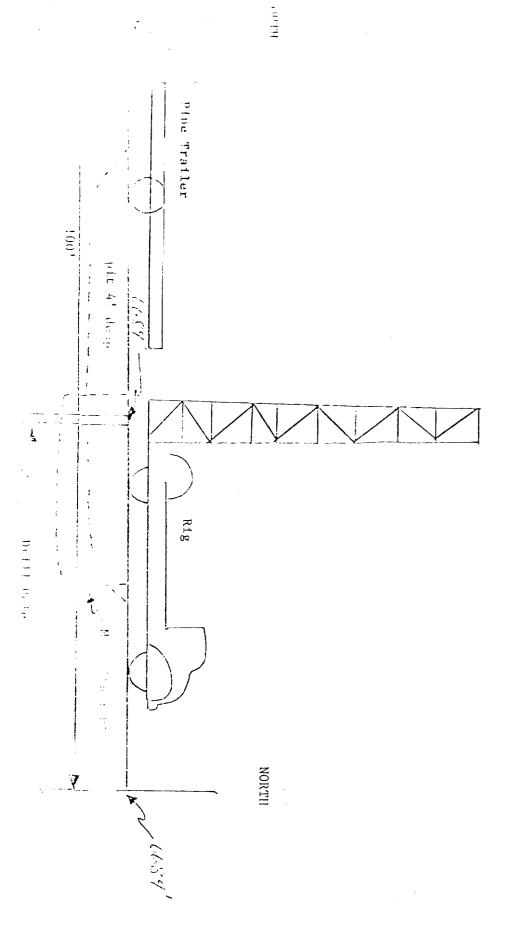
- 5. location and type of water surply (rivers, cracks, lakes, pands, and wells). Water for drilling this well will be trucked from a private water pend located in Section 22, Township 18, N., Range 4West., via existing roads.
- 6. Source of construction materials. No additional constructing materials are anticipated. If they are required they will be brought in by existing roads as set out in paragraphs 1 and 2 from Cuba, New Mexico.
- 7. Methods for handling waste disposal. A reserve pit will be utilized for waste disposal. Trash will be buried four feet below the surface. Following drilling, mud pits will be fenced and allowed to dry, then filled with surface soil previously excavated. If necessary, produced oil or water will be trucked off the location.
- 8. Ancillary facilities None planned at present time.
- 9. Wellsite layout Wellsite layout is shown on Enclosure 3. The rig for this operation is small and no extensive cuts or fills are necessary. The location is flat and the only location construction necessary is digging of the pits, and minimum leveling of the surface. A cross section of the location is shown in Enclosure 4.
- 10. Plans for restoration of the surface. If oil production is established, adequate production facilities including tank battery will be installed. The location except for wellhead site, production equipment, and necessary access road will be restored to original condition as much as possible by back-filling any cuts and leveling any fill to the original contours. (location is however essentially flat). Reseeding if necessary will be done on areas which have been disturbed. If no production is found following drilling the location will be restored by leveling to original topography and reseeding as necessary. Only the dry holemarker will remain on the original site and the access road will be abandoned and reseeded as required. No reshaping of topography or drainage systems or soil treatments are anticipated inasmuch as the location is on a flat terrace covered by loose, wind blown sand and scarce grass cover.
- 11. Other information. The wellsite is located on a topographically flat terrace or pediment. This feature is covered by a loose thin cover of wind blown sand and thin soil. The soil is a brown sandy soil that supports a sparce vegetation of desert grasses and scattered Pinon and Juniper trees. Animal life in the area includes coyotes, rattle-snakes, and cottontail & jack rabbits. The surface is owned by the Federal Government and leased for grazing. No steep hillsides, gullies, water ponds, wells, lakes, or streams; occupied dwellings, or other facilities are in the near promimity of the location. No archeological historical or cultural sites are in the immediate vicinity.

12. Lessees' or oeprators' representatives - The operators field representative will be Mr. Bruce A. Black. He can be reached at P. O. Box 537, Farmington, New Mexico - Phone 325-9671 or 325-7855.

13. 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 statement 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 Black Oil and Colorado Plateau Geological Services and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

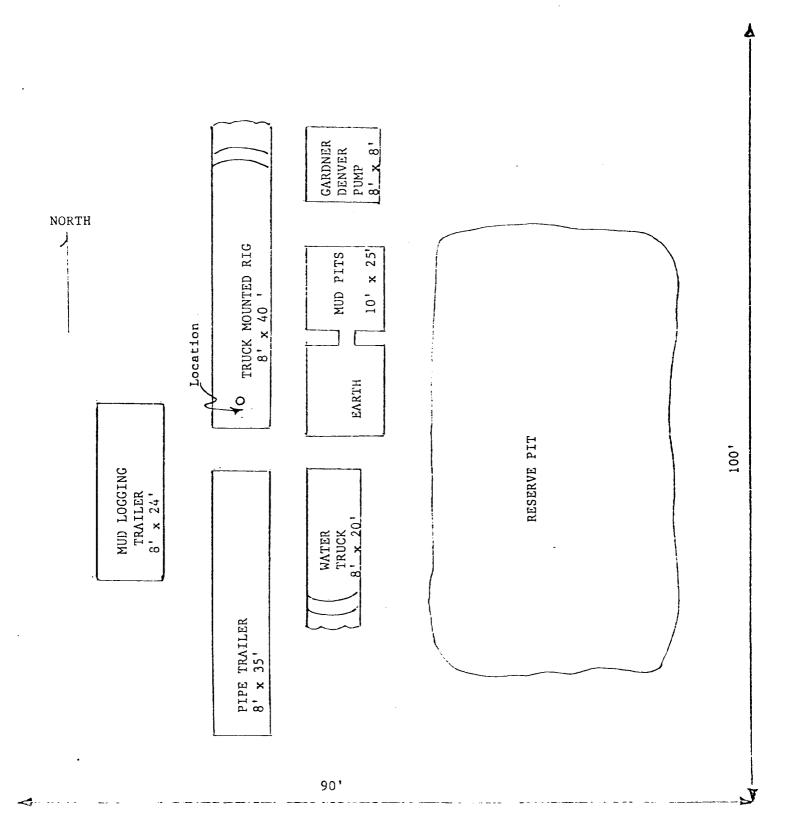
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Black Oil and Colorado Plateau Geological Services
MARLEBRU FEDERAL NO. 2
Section 19, T. 18 %., R. 4 W.,
Sandoval County, New Mexico

Location Layout:

Black Oil and Colorado Plateau Geological Services MARLEBRU FEDERAL NO. 2 Section 19, T. 18 N., R. 4 W Sandoval County, New Mexico



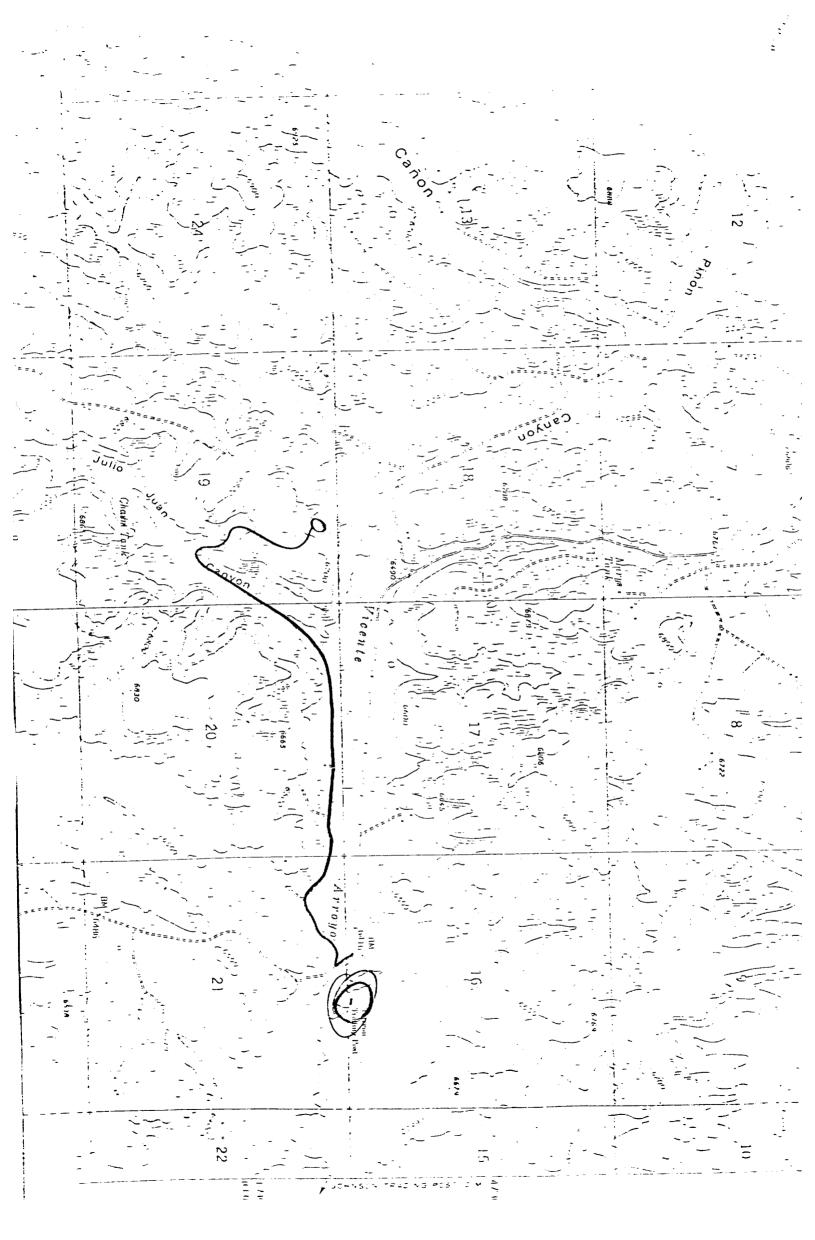


Vicinity Map for
BLACK OLL-COLORADO PLATEAU GEOLOGICAL SERVICES #2 MARLEBRU-FEDERAL
330'FNL 1650'FEL Sec. 19-T18N-RLW
SANDOVAL COUNTY, NEW MEXICO

DATUM IS MEAN SEA LEVEL

Com Z

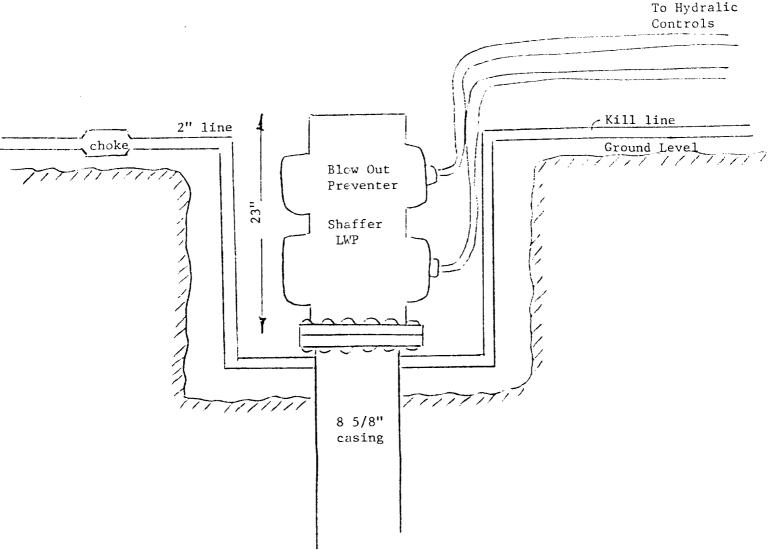
NEW MEXICO



SCHEMATIC DIAGRAM OF PRESSURE CONTROL EQUIPMENT

BLACK OIL - CPGS

Marlebru Federal No. 2 Sec. 19, T.18N, R.4W



Blowout preventer will be a Shaffer LWP hydraulic with a 7-1/16" bore. Blowout preventer will be attached to casing with a 8 5/8" flange. The BOP will be coupled with a hydraulic closing unit and will be 23" from the top of the flange to the top of the B.O.P. Blowout prevention equipment will be in compliance with stipulation 5 of the general requirements for oil and gas operations on Federal Indian leases.