

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved **RECEIVED**
Budget Bureau No. 1004-013
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

D-028942A

6. IF INDIAN ALLOTTEE OR TRIBE NAME

SEP 3 1985
COLORADO OIL & GAS CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME McCallum Unit	
2. NAME OF OPERATOR Conoco Inc.		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR 907 N. Poplar Casper, Wyoming 82601		9. WELL NO. 123	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 700' FNL & 800' FEL, NE/NE		10. FIELD AND POOL, OR WILDCAT McCallum/Pierre "B"	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T9N, R79W	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8,100' GL		12. COUNTY OR PARISH Jackson	13. STATE Colorado

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Conoco proposes to amend the Application for Permit to Drill submitted for this well as follows:

10-Point Drilling Program

Item 5: The minimum specifications for pressure equipment will be 2,000 psi. A double-ram blowout preventer with a choke manifold will be used. See diagram attached.

WRS
FJP
HPM
✓
RDC
LAG
✓
C
D

18. I hereby certify that the foregoing is true and correct
SIGNED J C Thompson TITLE Administrative Supervisor DATE August 28, 1985

(This space for Federal or State office use)
APPROVED BY William Smith TITLE DIRECTOR DATE SEP 10 1985
CONDITIONS OF APPROVAL, IF ANY: O & G Cons. Comm.

BLM-Craig(3)
COGCC (2)
File 3788



*See Instructions on Reverse Side

Attached to Form 3160-3
McCallum Unit No. 123
Jackson County, Colorado

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1. The Geologic Name of the Surface Formation:

Pierre

2. Estimated Tops of Important Geologic Markers:

<u>Formations</u>	<u>Drilled Depth</u>
Pierre "B"	1,210'

3. Waterbearing Zones:

Pierre "A"

4. Proposed Casing Program:

Either new or used casing may be used in this well. If used casing is installed, it will be inspected to "B" condition.

Surface: 0' - 150'; 8 5/8" OD, 24 lb., K-55, ST&C
Production: 0' - 1,290'; 5 1/2" OD, 14 lb., K-55, ST&C

5. Specifications for Pressure Control:

Our minimum specifications for pressure equipment will be 2,000 pounds (see attached diagram).

6. Proposed Circulating Medium:

0' - 150': Native mud and water with additions of gel and lime for sufficient viscosity to clean hole, land and cement casing.

150' - T.D.: Gelled chemical mud with the following properties:

Density: 9.0 - 9.6 ppg
Viscosity: 30-50 Sec./qt.
Filtrate Loss: 15 cc or less; reduce to 6 cc prior to drilling Pierre "B" formation.

7. Auxiliary Equipment:

We will use a kelly cock and a sub on the floor with a full opening valve.



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McCallum Unit No. 123
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8. Testing, Logging & Coring:

No cores or DST's are planned. Logging will be as follows:

IES-SP-GR	150'-T.D.
FDC-GR-Cal	150'-T.D.

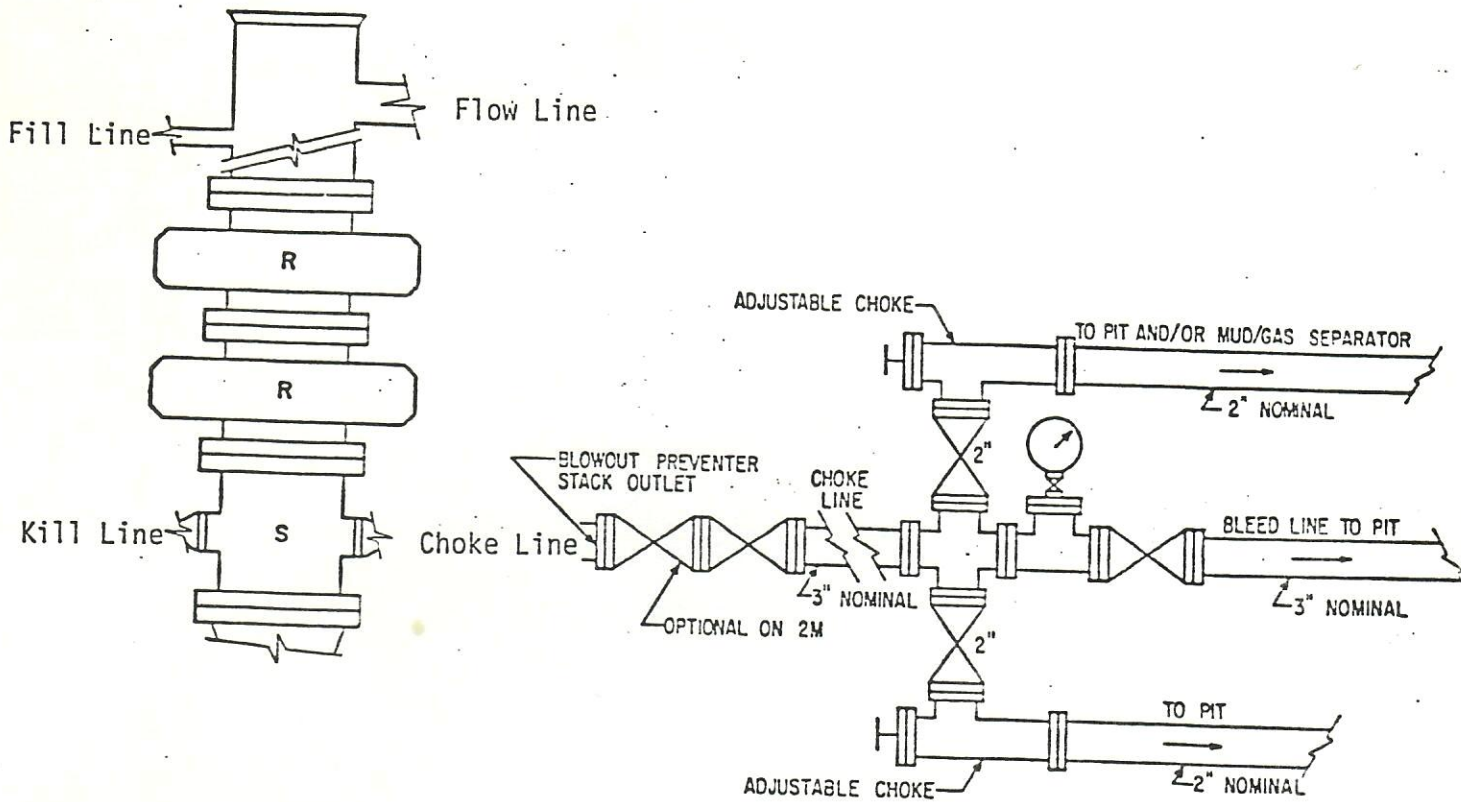
9. Abnormal Pressures and Temperatures:

We do not anticipate encountering any abnormal pressures or temperatures. If encountered, a BOP will be used for control while drilling with mud. Mud weight will be increased if necessary to insure adequate control.

10. Starting Date and Duration:

The well will be spudded approximately November 11, 1985. It is expected that drilling operations will require 6 days to complete.

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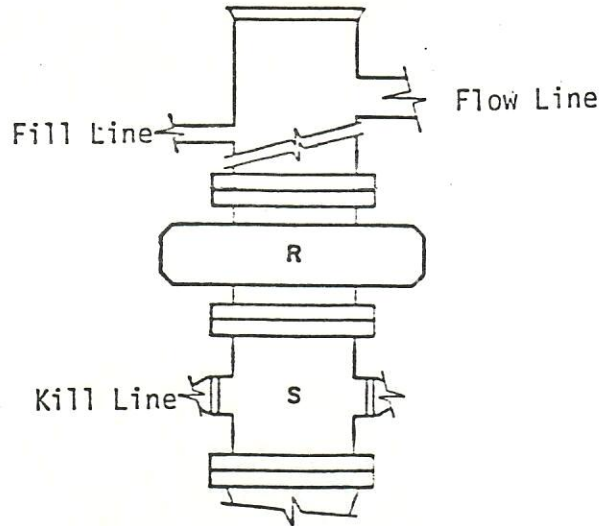
DOUBLE RAM TYPE PREVENTERS

Minimum BOP Stack	2,000 psi Working Pressure
One Pipe Ram	2,000 psi Working Pressure
One Blind Ram	2,000 psi Working Pressure
Manifold	2,000 psi Working Pressure
Well Head	2,000 psi Working Pressure



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Single Ram Type Preventers

Minimum BOP Stack	2,000 psi Working Pressure
Pipe Ram	2,000 psi Working Pressure
Manifold	2,000 psi Working Pressure
Wellhead	2,000 psi Working Pressure



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CONOCO INC.
13 POINT SURFACE USE PLAN
FOR
WELL LOCATION
MCCALLUM UNIT NO. 123
LOCATED IN
SECTION 13, T9N, R79W; 6TH P.M.
JACKSON COUNTY, COLORADO



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CONOCO INC.
McCallum Unit No. 123
Section 13, T9N, R79W, 6th P.M.

1. EXISTING ROADS

See attached Topographic Maps, Figures 1 and 2.

To reach McCallum Unit No. 123, located in NE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 13, T9N, R79W, 6th P.M., Jackson County, Colorado:

Proceed north along Colorado State Highway 125 - 3.5 miles to its junction with an existing improved dirt road which exits to the right; proceed easterly along this road - 4.9 miles to its junction with the proposed access road (to be discussed in Item #2).

The highway mentioned above is a bituminous surface road, all other roads described above are oil field roads constructed of materials accumulated during their construction.

There is no anticipated construction on any of the above described existing roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling of this well and the production of such if production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See attached Topographic Map, Figure 2.

The planned access road leaves the existing road described in Item #1 in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 18, T9N, R78W, 6th P.M., and proceeds in a westerly direction 0.4 miles to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

This proposed access road will be a 16' flat-bladed road (8' on either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from any normal meteorological conditions that are prevalent to this area. In the event of production, all roads will be crowned and gravelled to a minimum depth of six inches.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$ to 1 slopes and terraced.

There will be no culverts required along this road.



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The road will be centerline flagged prior to the commencement of construction.

If deemed necessary by the Bureau of Land Management of their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access end and the outlet end.

There are no fences encountered along this access road; there will be no gates or cattleguards required.

3. LOCATION OF EXISTING WELLS

The location site lies near what is known as the McCallum Oil Field; therefore, there are various wells within a one-mile radius of this location site (see Figure 3).

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are tank batteries, production facilities, oil gathering lines, injection lines, or disposal lines within a one-mile radius of this location site. The exact location of these lines is not known. See Figures 4 and 4A for the approximate location of these facilities.

The proposed flow line will run northwest approximately 3,250' to an existing line. The proposed powerline will run northwest approximately 2,500' to an existing powerline (see Figures 4 and 4A for the approximate location of these proposed facilities).

These proposed facilities will be constructed using bulldozers, graders, and workman crews to lay and place lines.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

See Figure 1.

The proposed water source for this well is the Canadian River that is approximately 8 road miles northwest of this location site and water will be hauled by truck on existing roads and the proposed access road to the proposed location site.



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If this water is not available, then the appropriate arrangements will be made to acquire the water necessary for the drilling of this well from other sources.

All regulations and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources is anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Figure 5.

A reserve pit will be constructed.

The reserve pit will be approximately 6' deep and at least one-half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one-half will be used to store non-flammable materials, such as cuttings, salts, drilling fluids, chemical and produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to the surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the waterfowl, wildlife and domesticated animals.

At the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed it will be fenced on the fourth side and allowed to dry completely prior to the time that back-filling and reclamation activities are attempted. The specifications for the fence are attached to this Surface Use Plan.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of 4' of soil and all requirements in Item #10 will be followed.



CONOCO INC.
McCallum Unit No. 123
Section 13, T9N, R79W, 6th P.M.
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A portable trash basket will be placed on the location site to contain trash and other waste materials.

A portable toilet will be supplied for human waste. All sewage and trash will be hauled away from the location and disposed of in an approved disposal facility.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future. Production equipment will be painted flat tan (reflectivity less than 20% as determined by comparison with Munsell Neutral Value Scale).

9. WELL SITE LAYOUT

See Figure 5.

The B.L.M. Kremmling Area Manager shall be notified at least 48 hours before any construction begins on the proposed location site and road.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pit will be lined with a gel and any other type of material necessary to make it safe and tight.

A burn cage, if needed, will be located a minimum of 125' from the wellhead.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

Any cultural resources discovered will be protected and reported immediately. All equipment will be parked on the cleared drill pad.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped (to a depth of 1') and stockpiled into a maximum of two piles, well separated from subsurface materials. When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area of the location site. In the event insufficient topsoil is available to cover all disturbed areas, additional topsoil will be hauled in and spread.



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All disturbed areas shall be drill seeded to a depth of 1/2" with the following mixture:

<u>Species</u>	<u>Pounds/Acre PLS</u>
Western Wheatgrass (Arriba)	3
Streambank Wheatgrass	3
Hard Fescue	3
Yellow Sweet Clover	3
Antelope Bitterbrush	1

Construction and maintenance for surface use approved under this plan will be in accordance with the surface use standards as set forth in the BLM/USGS Oil & Gas Brochure entitled, "Surface Operating Standards for Oil & Gas Explorations & Development." This includes, but is not limited to, such items as road construction and maintenance, handling of topsoil, and rehabilitation.

In the event production is not obtained, any pipeline routes and all new access routes will be blocked at their intersection with existing roads, and will be scarified. Roads will be blocked with boulders measuring at least 24" in diameter. The well pads will be fenced to exclude livestock after reseeding. The fence will remain in place for a minimum of three growing seasons (see Fence Specifications, attached).

All pits should be fenced and allowed to dry prior to backfilling. All pits must be dried and backfilled within one year of completion or plugging of well. This may require treatment or hauling of pit fluids.

11. OTHER INFORMATION

The topography of the general area (see Topographic Map, Figure 1).

There are no occupied dwellings or other facilities of this nature in the area of this location (see Topographic Map "B").

All lands involved in this location site are federally owned, and under B.L.M. jurisdiction.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Michael S. Rooney
Conoco Inc.
907 North Poplar
Casper, Wyoming 82601
(307) 234-7311



CONOCO INC.
McCallum Unit No. 123
Section 13, T9N, R79W, 6th P.M.
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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 the operation proposed herein will be performed by CONOCO INC. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

8-16-85
Date

for K. G. Melder
Michael S. Rooney
Production Superintendent

rae

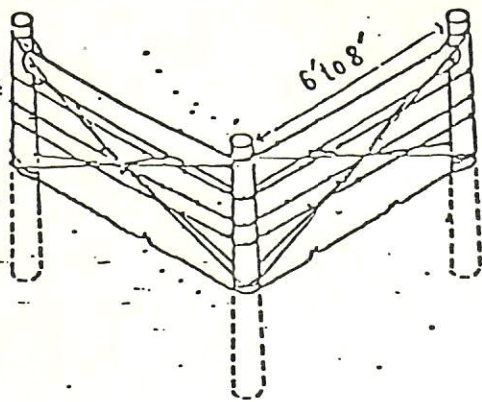
Attachments



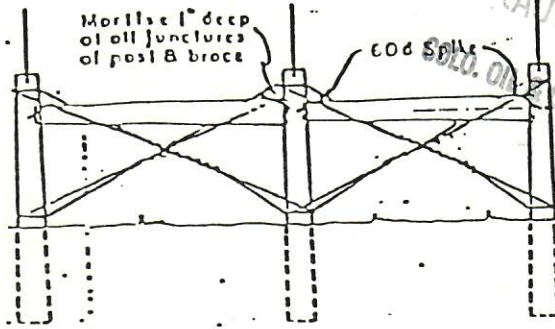
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SOLO. ON GAS CONS. COMM.

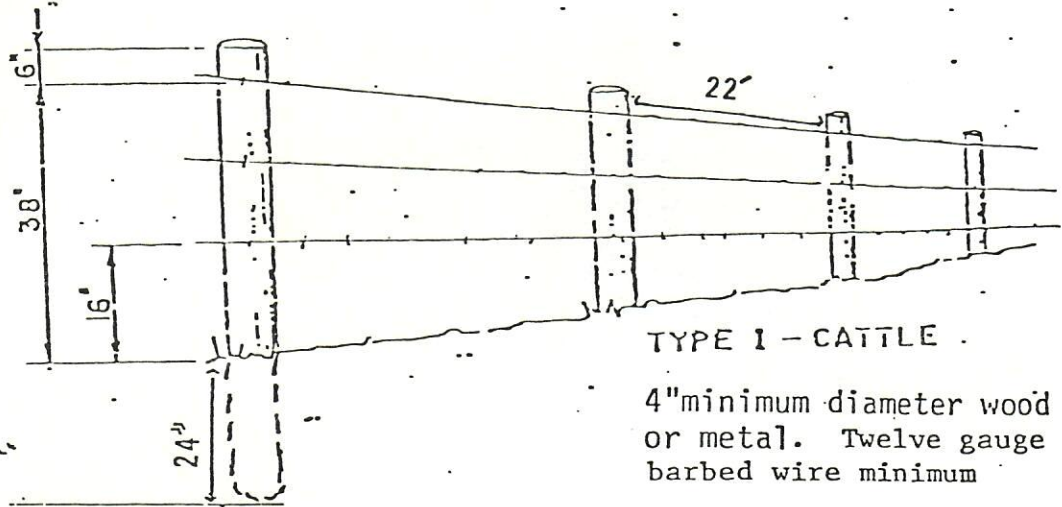


PANEL AT CORNERS
6"minimum diameter wood



ALTERNATE STYLE PANEL AT GATES, CATTLEGUARDS & CORNERS

6"minimum diameter wood



TYPE I - CATTLE
4"minimum diameter wood or metal. Twelve gauge barbed wire minimum

The above described fence will be routed around the exterior boundary of the entire disturbed area. Gates will not be included or installed in the fence. The fence will be in place and complete immediately after reclamation practices are completed. Maintenance will be on an as needed basis or as directed by the Kremmling Resource Area Manager. Materials used in construction of the fence will be of type and quality adequate to last until revegetation is successful (in the opinion of the Kremmling Resource Area Manager). The fence will be removed and all associated cleanup completed, within 60 days of such request by the Kremmling Resource Area Manager.



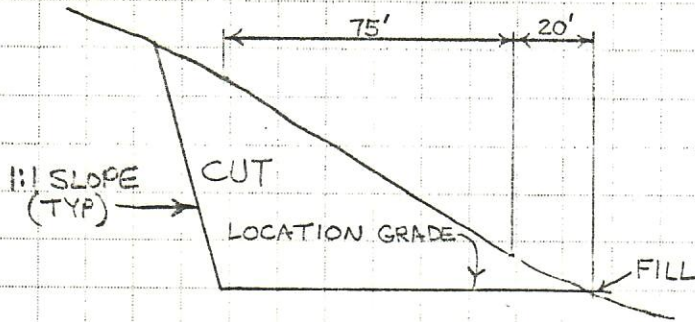
MOUNTAIN WEST SURVEYS, INC.

908 Park Avenue
KREMMLING, COLORADO 80459
(303) 724-3333

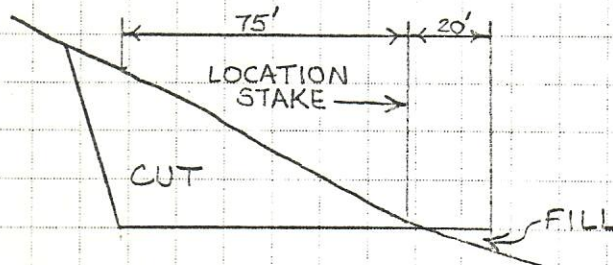
JOB _____
SHEET NO. TWO OF TWO
CALCULATED BY SOS DATE RECEIVED 8-85
CHECKED BY PJO DATE 7-7-85
SCALE _____

REC'D AUG 21 1985
COLO. OIL & GAS CONS. COMM.

CONOCO OIL COMPANY
MECALLUM WELL #123

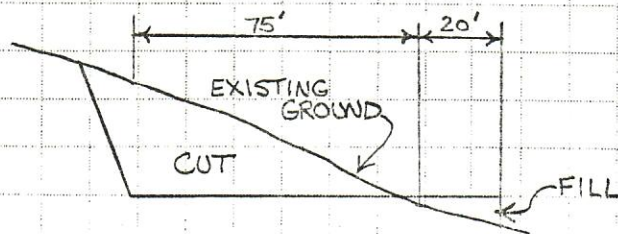


STA 0+00



STA 0+90

SCALE
VERT 1"=10'
HORIZ 1"=50'



STA 1+90

