

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ OIL \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED 10-14-81

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_

PUBLIC LEASE NO. \_\_\_\_\_

INDIAN C-14-20-5301

DRILLING APPROVED: 11-12-81

SUDDEN IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GQR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: 4786' 6R

DATE ABANDONED: 5-5-82 LOCATION ABANDONED, WELL NEVER DRILLED

FIELD: UNDESIGNATED 3/86

UNIT: \_\_\_\_\_

COUNTY: SAN JUAN

WELL NO. Kin Diilidii #10-11

API NO. 43-037-30742

LOCATION 600 FT. FROM (N)  LINE,

800

FT. FROM  (W) LINE.

NW NW

1/4 - 1/4 SEC. 10

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
42S	26E	10	SUPERIOR OIL CO.				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR  
 P. O. DRAWER "G", CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface: 600' FNL, 800' FWL, SEC. 10, T42S, R26E  
 At proposed prod. zone: Same as surface. *NWNW*

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 7 miles Southeast of Aneth, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 600'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4786.0' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	New 13-3/8"	48# H-40	100'	Redimix to surface
12-1/4"	New 8-5/8"	32# H-40	1000'	700 sx to surface
7-7/8"	New 5-1/2"	15.5#, K-55	6000'	250 sx

- Drill 18" hole to 100' and set 100' of new 13-3/8", 48#/ft, H-40 ST&C casing and Cement to surface with Redimix.
- Drill 12-1/4" hole to 1000' and set 1000' of new 8-5/8", 32#/ft, H-40, ST&C casing. Cement to surface with 700 sx class 'B' cement.
- Drill 7-7/8" hole to 6000' or base of Desert Creek, Log well with DIL GR, FDC CNL, BHC Sonic and Velocity survey. Set 6000' of new 5-1/2", 15.5#/ft, K-55 ST&C casing and Cement with 250 sx class 'B'.
- Complete in Ismay and/or Desert Creek based on log evaluation and stimulate as necessary.

cc: Orig + 5 - USGS, State - 2, Navajo Tribe -1, Drilling Department, Regulatory Group, Denver Expl.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Dwaine I. Blanscet TITLE Sr. Production Engineer DATE 10-14-81

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/2/81

BY: [Signature]

5. LEASE DESIGNATION AND SERIAL NO.  
N00-C-14-20-5301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
NAVAJO

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Kin diilidij

9. WELL NO.  
#10-11

10. FIELD AND POOL, OR WILDCAT  
WILDCAT *Undesignated*

11. SEC., T., R., M. OR BLM. LAND SURVEY OR AREA  
SEC. 10, T42S, R26E SLM

12. COUNTY OR PARISH  
SAN JUAN

13. STATE  
UTAH

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

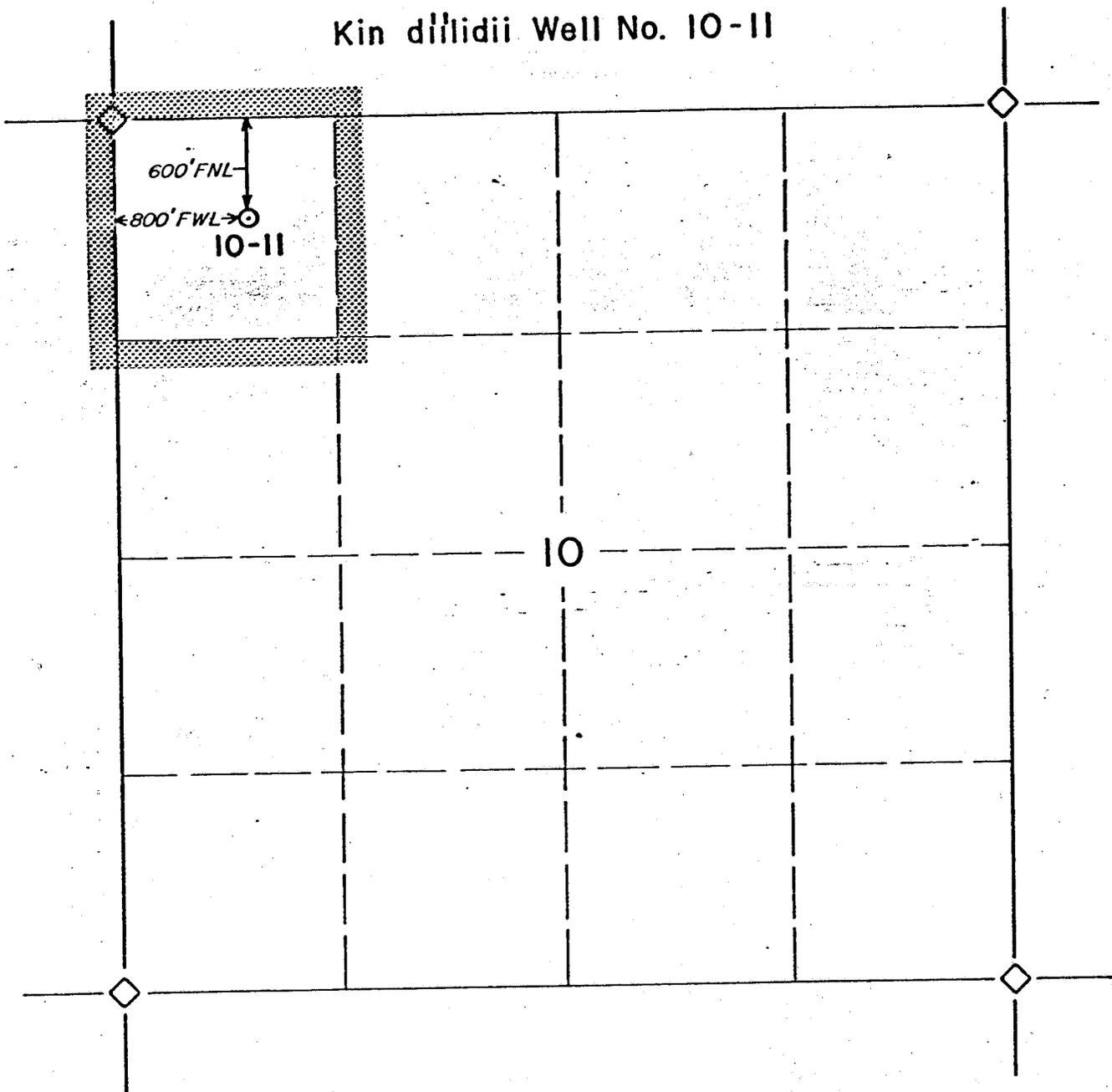
20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
12-15-81

4

**THE SUPERIOR OIL CO.**  
OPERATOR

Kin d'ilidii Well No. 10-11



NW/NW SECTION 10, T.42S. - R.26E.



- ⊙ Location
- Well
- ⊕ Injector

Scale: 1" = 1000'



*Charles L. Hill*

# **SUPERIOR OIL**

October 14, 1981

Mr. R. W. Vinyard  
District Engineer  
U. S. Geological Survey  
P. O. Box 959  
Farmington, New Mexico 87401

Re: Surface Use Development Plan  
Proposed Well  
Kin diilidii #10-11  
600' FNL, 800' FWL  
Section 10, T42S, R26E, SLM  
San Juan County, Utah

Dear Mr. Vinyard:

The "Surface Use Development Plan" for the proposed Superior's Kin diilidii #10-11 is as follows:

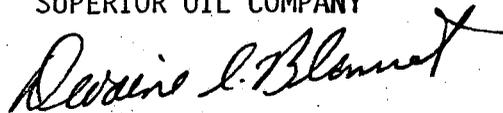
1. The existing road and the location of the off road exits are shown on the attached road and pipeline plat.
2. The existing unimproved road will require improvements to provide a 20' wide travel surface. No major cuts or fills are anticipated.
3. The location and status of wells in the vicinity are shown on the attached road and pipeline plat.
4. The location of any production facilities, flow lines and lateral roads in the vicinity of the proposed well are shown on the attached plat. The 2" flow line from the proposed well will run 200' south to a new tank battery, the area of the tank battery being approximately 100' X 300' where the oil, gas and water will be separated. If the new production facilities are required, a detailed building plan will be submitted.
5. Water for drilling operations will be obtained from the San Juan River.
6. Materials necessary for the construction of the access road and drilling pad will be obtained from the location. No access roads for the purpose of hauling materials will be necessary.

# SUPERIOR OIL

7. Waste materials will be collected in earth pits 6-8' deep with steep sides. The perimeter of these pits will be fenced with small mesh wire. When drilling operations are complete these pits will be back-filled and leveled to the contour of the original landscape. Small portable trailer houses for the company and contract drilling personnel may be on the location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.
8. The location and position of drilling equipment is shown on the attached plat. Included on this plat is a cross section diagram showing cuts and fills necessary for the construction of the drilling pad. The drilling pad will be located approximately at ground level. Materials at the location will be used for elevation of the pad. An 18" levee will be constructed along the south side of the drilling pad to protect natural drainage areas.
9. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation is sparse and consists of scattered Snakeweed and Russian Thistle. There are no Indian habitations or artifacts in the immediate vicinity of the proposed drillsite, access road, flow line, construction and material site or road used in transportation of material.

Very truly yours,

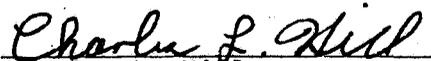
SUPERIOR OIL COMPANY



Dwaine I. Blanscet  
Senior Production Engineer

I hereby certify that I or persons under my direct supervision, have inspected the 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 the SUPERIOR OIL COMPANY and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

10-23-81  
Date

  
Charles L. Hill  
Area Production Superintendent

# DESIGNATION OF OPERATOR

Indian Affairs

The undersigned is, on the records of the Bureau of ~~XXXXXX~~ holder of lease

DISTRICT LAND OFFICE: Window Rock, Arizona  
SERIAL No.: N00-C-14-20-5301

and hereby designates

NAME: The Superior Oil Company  
ADDRESS: 1860 Lincoln Street, Suite 800  
Denver, Colorado 80295

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

San Juan County, Utah  
Township 42 South, Range 26 East, SLM  
Section 4: E $\frac{1}{2}$ , SE $\frac{1}{4}$ NW $\frac{1}{4}$ ,  
Section 9: E $\frac{1}{2}$ NE $\frac{1}{4}$ , NW $\frac{1}{4}$ NE $\frac{1}{4}$ , NE $\frac{1}{4}$ SE $\frac{1}{4}$   
Section 10: W $\frac{1}{2}$ NW $\frac{1}{4}$ , NW $\frac{1}{4}$ SW $\frac{1}{4}$

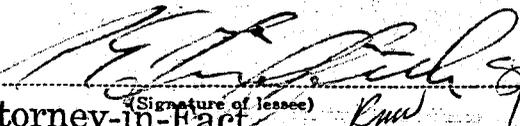
not to exceed the base of the Desert Creek  
(Pennsylvanian) Formation and not to exceed  
6,100' beneath the surface.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

GULF OIL CORPORATION

BY: 

Attorney-in-Fact (Signature of lessee)

P.O. Drawer 1150  
Midland, Texas 79702

9-28-81

(Date)

(Address)

SUPPLEMENT TO FORM 9-331-C

WELL: Kin diilidii #10-11  
600' FNL, 800' FWL, Sec. 10, T42S, R26E

ELEVATION: 4786' ungraded ground level.

SURFACE FORMATION: Chinle

ESTIMATED FORMATION TOPS: (Measured from KB at 5000.5')

DeChelly	2945'
Organ Rock	3079'
Cutler	3605'
Hermosa	4787'
Upper Ismay	5685'
Lower Ismay	5765'
Gothic Shale	5815'
Desert Creek	5875'
TD	6000'

WATER BEARING FORMATIONS: Water could be encountered intermittently in the DeChelly, Cutler and Hermosa formations.

HYDROCARBON BEARING FORMATIONS: Oil and gas could be encountered in the Upper Ismay, Lower Ismay and Desert Creek formations.

MUD PROGRAM: Surface to 100' - Gelled fresh water at approximately 8.5 ppg.  
100' to 1000' - Gelled fresh water at 8.5 - 8.8 ppg.  
1000' to 6000' - Lignosulfonate or similar mud system with water loss controlled to 20 cc or less and weighted to 8.5 - 10 ppg.

CASING: Conductor - 13-3/8", 48#/ft, H-40, ST&C new casing set to approximately 100'. Hole size 18".  
Surface - 8-5/8", 32#/ft, H-40, ST&C new casing set to approximately 1000'. Hole size 12-1/4"  
Production - 5-1/2", 15.5#, K-55 ST&C new casing set to approximately 6000'. Hole size 7-7/8".

CEMENT PROGRAM: Conductor - Cement to surface with Redimix.  
Surface - Cement to surface with approximately 550 sx light lead and 150 sx class 'B' tail.  
Production - Cement with 250 sx class 'B'.

LOGGING PROGRAM: DIL-GR, FDC-CNL, BHC Sonic and Velocity survey.

DRILL STEM TEST: No drill stem test planned at this time.

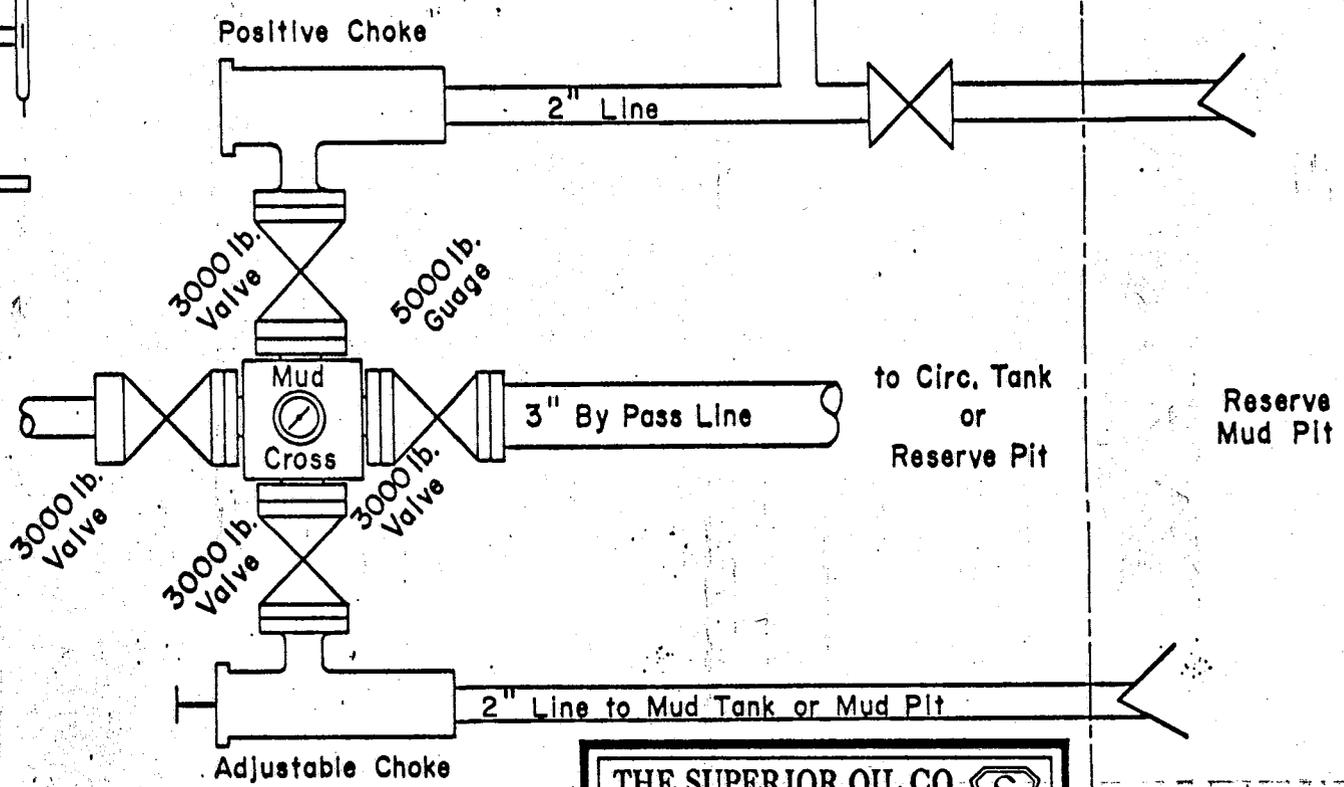
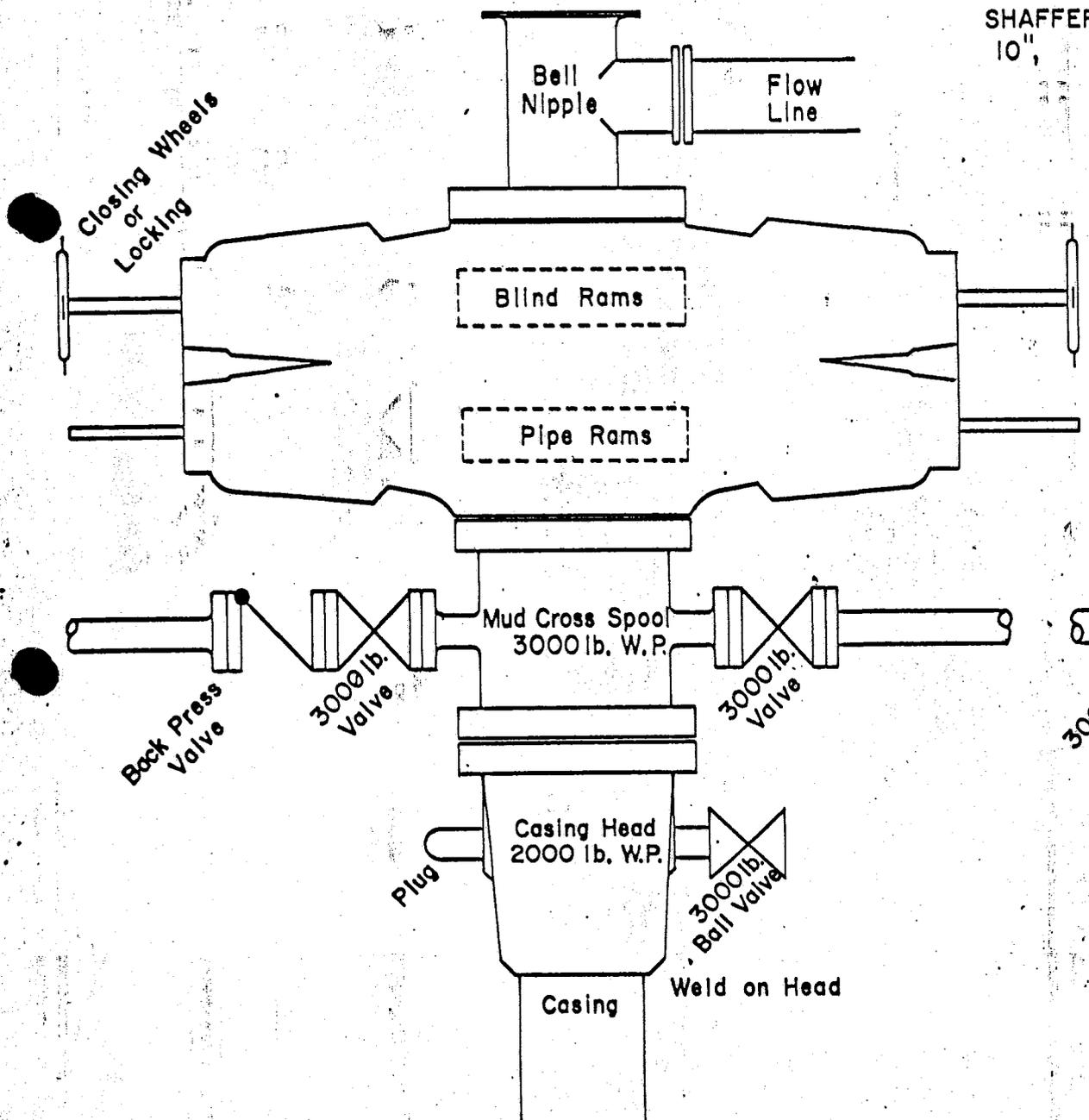
CORING: Core any shows with drilling breaks in the Ismay and Desert Creek formations.

PRESSURE CONTROLS: Blowout preventer equipment will be 10" Series 600 with blind rams and drill pipe rams hydraulically and manually controlled. The blind rams will be tested on each trip and the pipe rams will be tested daily. The schematic of the pressure control equipment can be seen on the attached diagram. The mud system will be monitored by visual inspection.

ANTICIPATED STARTING DATE: December 15, 1981

Circulating Tank

SHAFFER DOUBLE GATE BLOW OUT PREVENTER  
10", 3000 lb. W.P., 6000 lb. Test, Type E



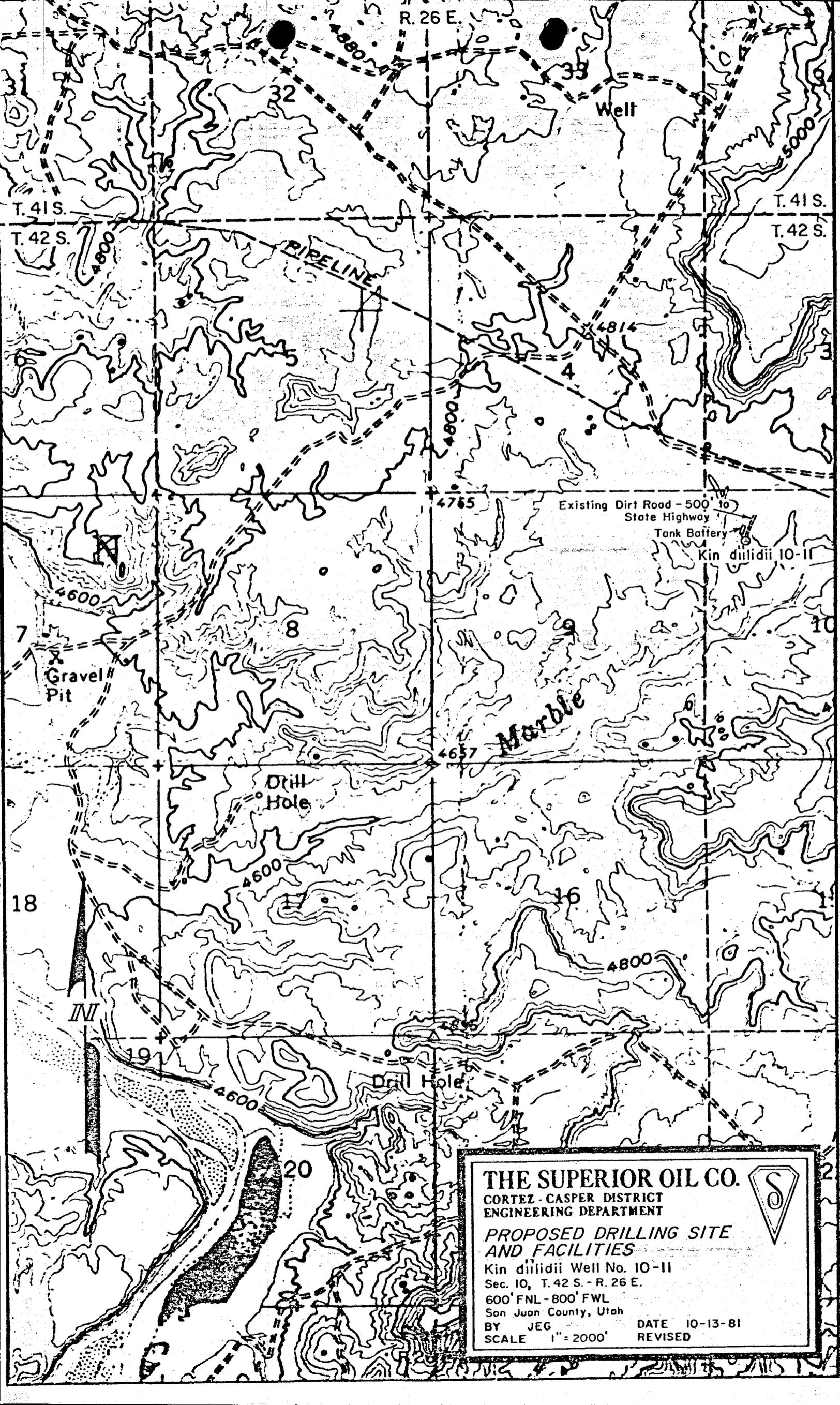
**THE SUPERIOR OIL CO.**  
CORTEZ-CASPER DISTRICT  
ENGINEERING DEPARTMENT



**SCHEMATIC DIAGRAM  
OF PRESSURE CONTROL  
EQUIPMENT**

BY JES  
SCALE NONE

DATE 6/25/79  
REVISED



T. 41 S.

T. 41 S.

T. 42 S.

T. 42 S.

R. 26 E.

PIPELINE

Well

Existing Dirt Road - 500' to State Highway

Tank Battery

Kin diilidii 10-11

Gravel Pit

Drill Hole

Marble

Drill Hole

### THE SUPERIOR OIL CO.

CORTEZ - CASPER DISTRICT  
ENGINEERING DEPARTMENT



#### PROPOSED DRILLING SITE AND FACILITIES

Kin diilidii Well No. 10-11

Sec. 10, T. 42 S. - R. 26 E.

600' FNL - 800' FWL

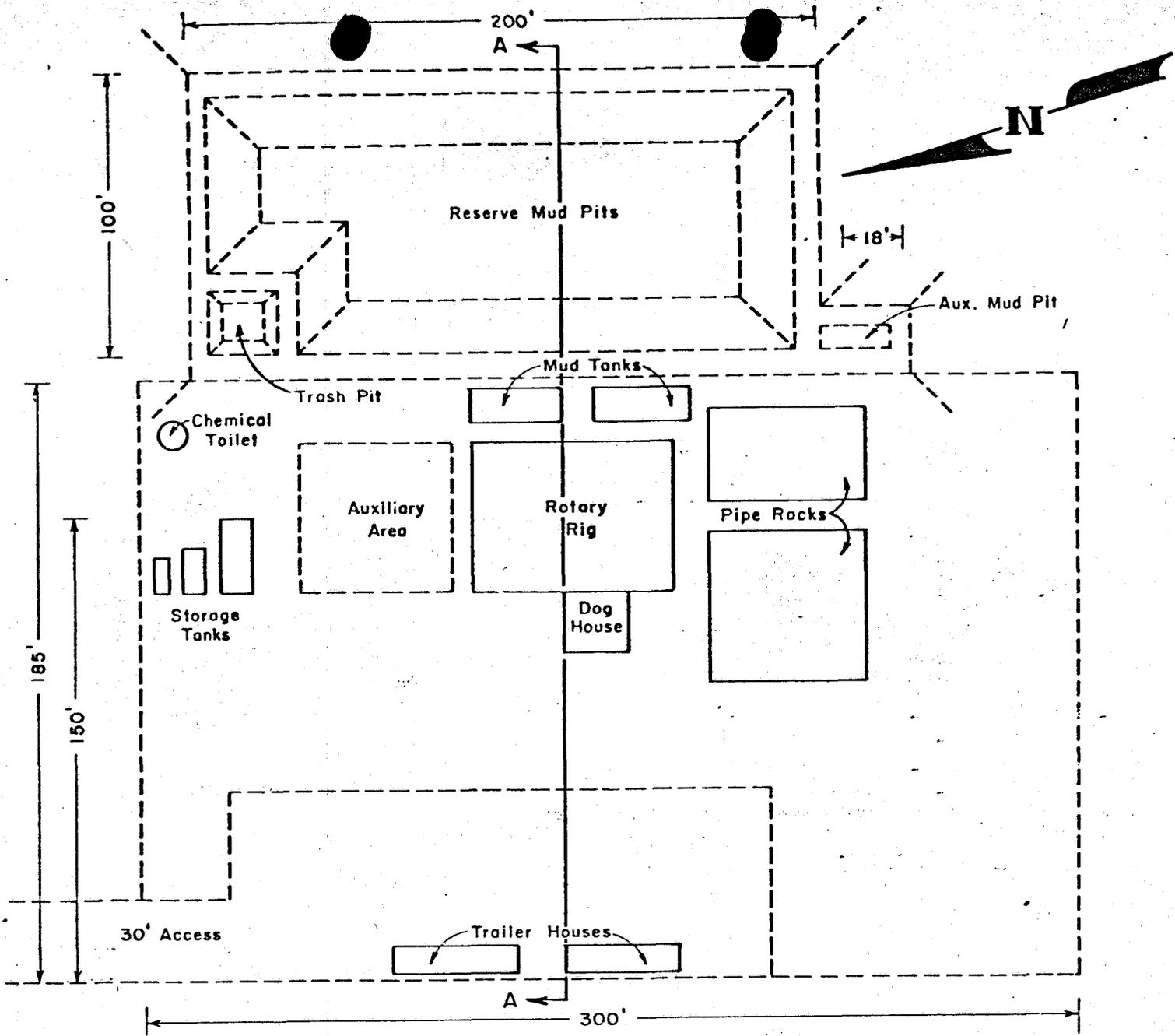
Son Juan County, Utah

BY JEG

DATE 10-13-81

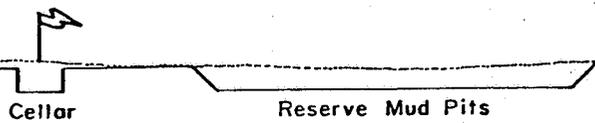
SCALE 1" = 2000'

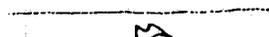
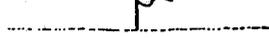
REVISED



The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE  
 Kin diilidii No. 10-11  
 Original Elev. 4786.0'



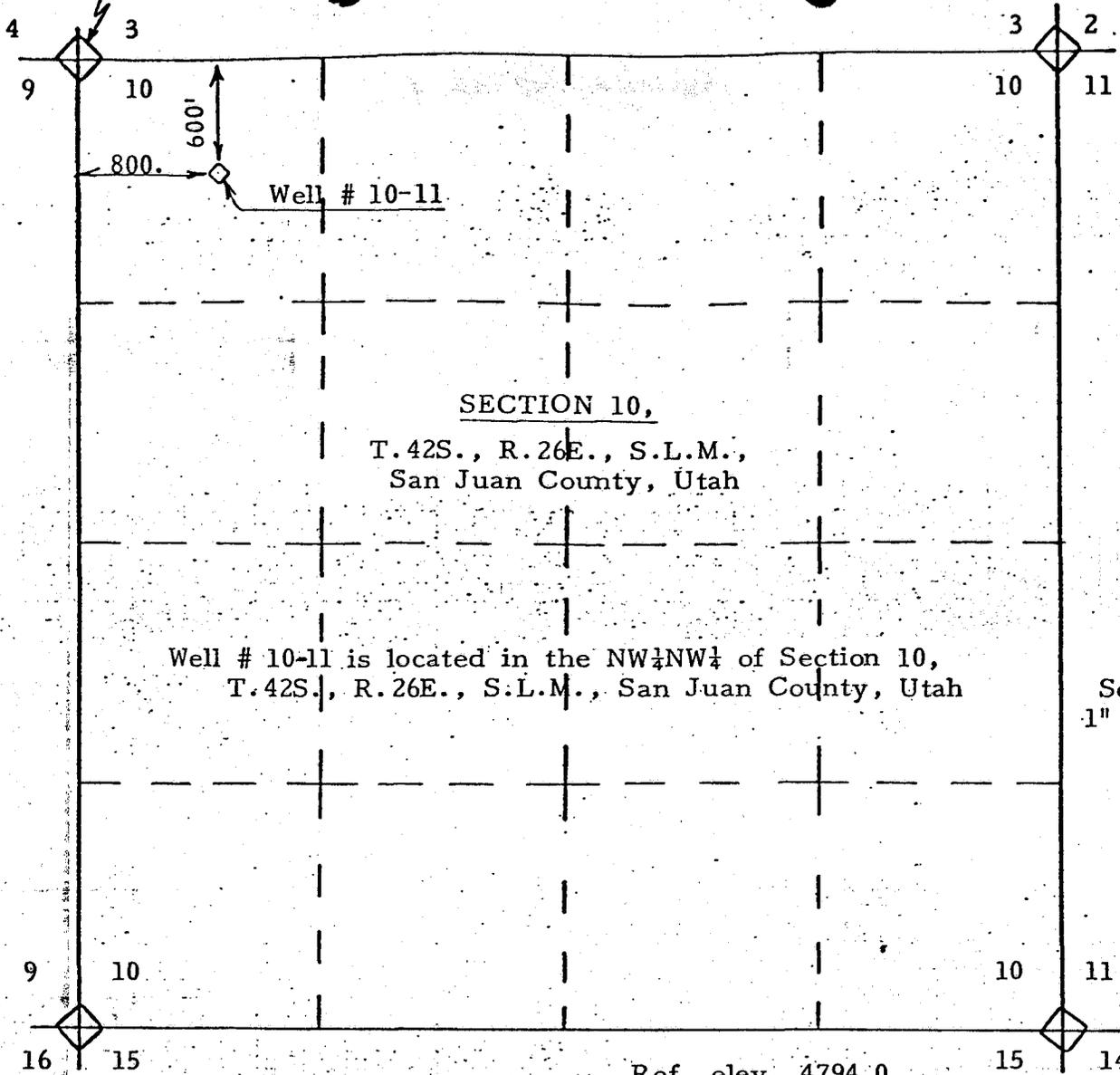
Original Contour   
 Reference Point   
 Graded Proposal 

**THE SUPERIOR OIL CO.**   
 CORTEZ CASPER DISTRICT  
 ENGINEERING DEPARTMENT  
**RIG LAYOUT & DRILL  
 PAD CROSS SECTION**  
 Kin diilidii Well No. 10-11  
 Sec. 10, T.42S.-R.26E.  
 San Juan Co., Utah  
 BY JEG DATE 10/13/81  
 SCALE 1" = 80' REVISED

Original stone corner

Superior Oil Company  
Well 10-11

10-12-81



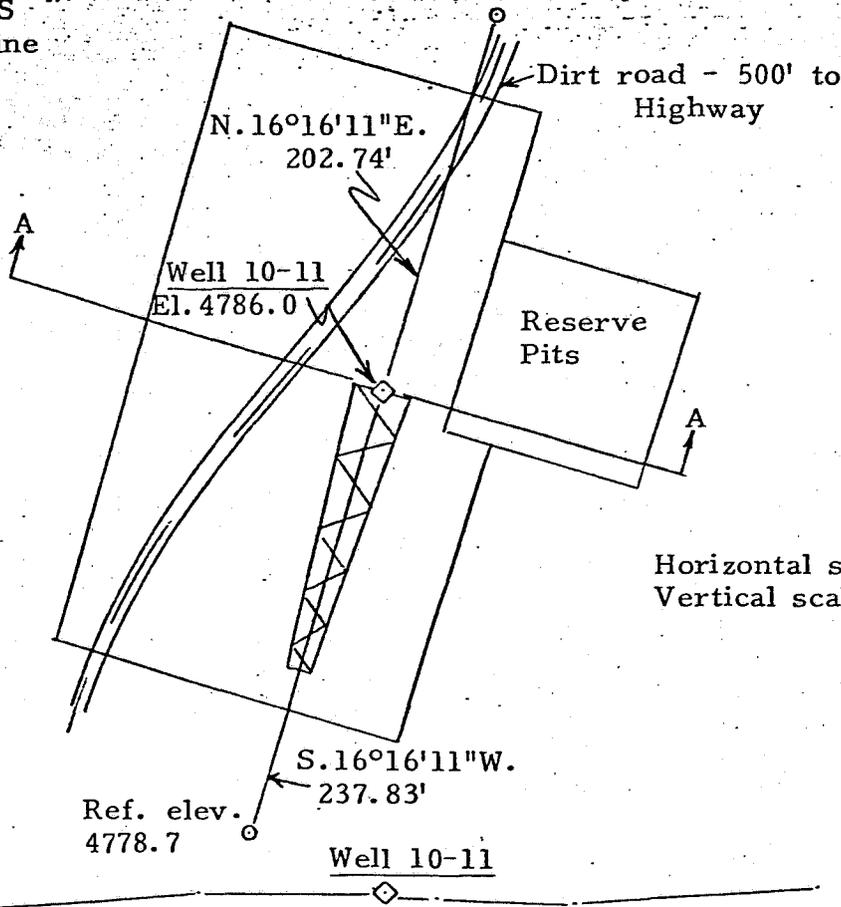
Well # 10-11 is located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 10,  
T.42S., R.26E., S.L.M., San Juan County, Utah

Scale:  
1" = 1000'

Ref. elev. 4794.0

Elevation datum is USGS  
map elevation on east line  
of Sec. 10 (state line)  
at intersection with  
pipeline)- Elev. 4759

Soil: Sandy.  
Vegetation:  
Sparse grass-shrubs.



Horizontal scale: 1" = 100'  
Vertical scale: 1" = 50'

4790	—
4780	—
4770	—

SECTION A-A

KNOW ALL MEN BY THESE PRESENTS:  
THAT I, FREDRIC P. THOMAS  
do hereby certify that I prepared this plat from an  
actual and accurate survey of the land and that the  
same is true and correct to the best of my knowledge  
and belief.

*Fredric P. Thomas*

FREDRIC P THOMAS  
Reg. L.S. and P.E.  
Colo. Reg. No. 6728

Bearing by  
Solar  
observation

Utah reg. no. 4346

THOMAS Engineering Inc.

215 N. Linden  
Cortez, Colorado  
565-4496



\*\* FILE NOTATIONS \*\*

DATE: Nov 2, 1981  
OPERATOR: Superior Oil Company  
WELL NO: Kin diilidii #10-11  
Location: Sec. 10 T. 42S R. 26E County: San Juan

File Prepared:  Entered on N.I.D.:   
Card Indexed:  Completion Sheet:

API Number 43-037-30742

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Director: OK as per rule C-3  
\_\_\_\_\_  
\_\_\_\_\_

Administrative Aide: OK as per Rule C-3,  
\_\_\_\_\_  
\_\_\_\_\_

APPROVAL LETTER:

Bond Required:  Survey Plat Required:   
Order No. \_\_\_\_\_ O.K. Rule C-3   
Rule C-3(c), Topographic Exception - company owns or controls acreage  
within a 660' radius of proposed site

Lease Designation Ind. Plotted on Map

Approval Letter Written

Hot Line  P.I.

November 13, 1981

Superior Oil Company  
P. O. Drawer "G"  
Cortez, Colo. 82321

RE: Well No. Kin Diilidii #10-11,  
Sec. 10, T. 42S, R. 26E,  
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30742.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight  
Director

CBF/db  
CC: UGGS

**SUPERIOR OIL**

MAY 11, 1982

State of Utah  
Natural Resources & Energy  
Oil, Gas & Mining  
4241 State Office Bldg  
Salt Lake City, Utah 84114

Re: Your Letter of 5-5-82

Gentlemen:

The status of the proposed wells listed in your referenced letter is as follows:

Well No. East Aneth #28-32  
Section 28, T41S, R26E  
San Juan County, Utah

MMS approval for this well has not been received due to delay in receiving tribal approval. This is still a viable prospect.

Well No. East Aneth #29-41  
Section 29, T41S, R26E  
San Juan County, Utah

Well No. East Aneth #30-32  
Section 30, T41S, R26E  
San Juan County, Utah

MMS approval on the two above listed proposed wells was received in January 1982, but drilling has been delayed until wells East Aneth #29-11 in Section 29 and East Aneth #30-43 in Section 30 are drilled.

✓ Well No. Kin Diilidii #4-22  
Section 4, T42S, R26E  
San Juan County, Utah

✓ Well No. Kin Diilidii #10-13  
Section 10, T42S, R26E  
San Juan County, Utah

✓ Well No. Kin Diilidii #10-11  
Section 10, T42S, R26E  
San Juan County, Utah

RECEIVED  
MAY 13 1982

DIVISION OF  
OIL, GAS & MINING

**SUPERIOR OIL**

~~Well No. Alkali Canyon #6-44  
Section 6, T39S, R24E  
San Juan County, Utah~~

The four proposed wells listed above will not be drilled, APDs should be cancelled. The acreage involved with these four proposed wells has been dropped.

Respectfully submitted,



Wm. H. Edwards  
Special Projects Superintendent

WHE/th