

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 10-19-81
 LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN Noo-C-14-20-
 DRILLING APPROVED: 10-28-81 _____ 5301
 SPUDDED IN: _____
 COMPLETED: _____ PUT TO PRODUCING: _____
 INITIAL PRODUCTION: _____
 GRAVITY A.P.I. _____
 GOR: _____
 PRODUCING ZONES: _____
 TOTAL DEPTH: _____

WELL ELEVATION: 4829.78' 6R
 DATE ABANDONED: LOCATION ABANDONED WELL NEVER DRILLED 5-5-82
 FIELD: WILDCAT 3/86 Undesignated
 UNIT: _____

COUNTY: SAN JUAN
 WELL NO. KIN DIILIDII # 4-22 _____ 43-037-30737
 LOCATION 3356 FT. FROM () (S) LINE. 1604 FT. FROM () (W) LINE. SE NW 1/4 - 1/4 SEC. 4

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				<u>42S</u>	<u>26E</u>	<u>4</u>	<u>SUPERIOR OIL CO.</u>

SUPERIOR OIL

October 14, 1981

M

RECEIVED
OCT 15 1981

Mr. Mike Minder
Geological Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

Re: Kin diilidii #4-22
3356' FSL, 1604' FWL
Section 4, T42S, R26E, SLM
San Juan County, Utah

Dear Mr. Minder:

Enclosed is Superior Oil's Application for Permit to Drill for the above referenced well. This well is staked on an unorthodox location in accordance with Rule C-3 (c) General Rules and Regulations of Practice and Procedure. This is necessary due to geological conditions. Our Denver exploration office will request an exception to this rule in the very near future.

Your cooperation in this matter is appreciated.

Very truly yours,

SUPERIOR OIL COMPANY

Charles L. Hill

C. L. Hill
Area Production Superintendent

DIB/1h

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

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
 1604' FWL, 3356' FSL, SEC. 4, T42S, R26E
 At proposed prod. zone
 Same as surface **SE NW**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 5 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)
 1924'

16. NO. OF ACRES IN LEASE
 2499.72

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 7400'

19. PROPOSED DEPTH
 6000'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4829.78' GR

22. APPROX. DATE WORK WILL START*
 1-15-82

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	13-3/8"	48#, H-40	100'	Redimix to surface
12-1/4"	8-5/8"	32#, H-40	2070'	950 sx to surface
7-7/8"	5-1/2"	15.5#, K-55	6000'	250 sx

1. 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.
2. Drill 12-1/4" hole to 2070' and set 2070' of new 8-5/8", 32#/ft. H-40 ST&C casing and cement to surface with 950 sx class 'B' cement.
3. 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'.
4. 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 Senior Prod. 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: 10-28-81
BY: M. J. Minder

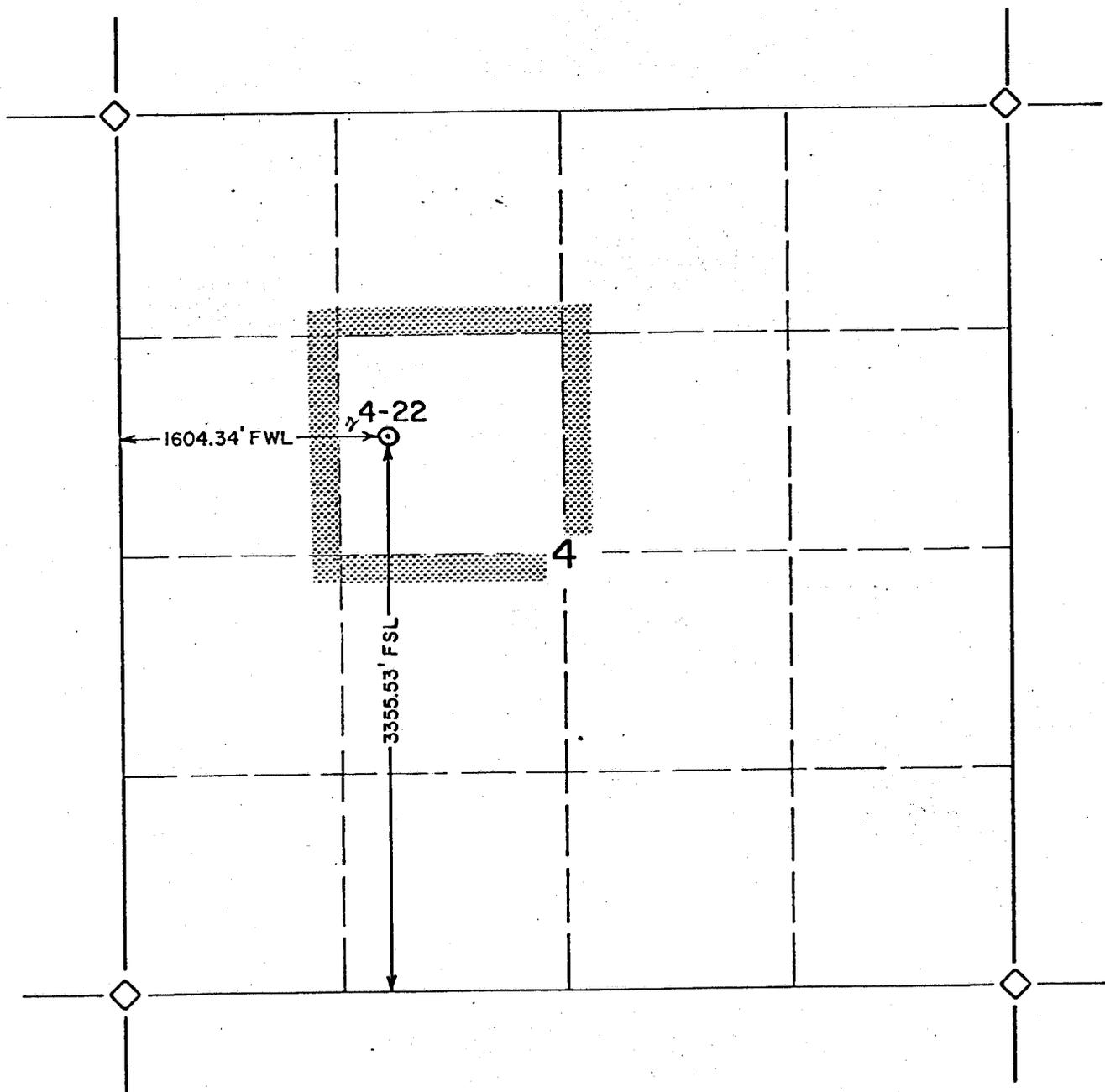
RECEIVED
OCT 10 1981
DIVISION OF
OIL, GAS & MINING

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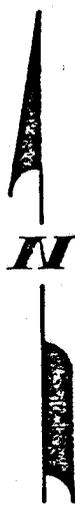
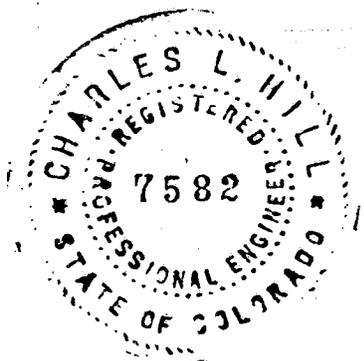
THE SUPERIOR OIL CO.

OPERATOR

Kin dillidii Well No. 4-22



SE/NW SECTION 4, T.42S. - R.26E.



- ⊙ Location
- Well
- ⊕ Injector

Charles L. Hill

Scale: 1" = 1000'



SUPERIOR OIL

October 14, 1981

Mr. Mike Minder
Geological Engineer
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

Re: Kin diilidii #4-22
3356' FSL, 1604' FWL
Section 4, T42S, R26E, SLM
San Juan County, Utah

Dear Mr. Minder:

Superior Oil Company controls all oil and gas mineral rights within a 660' radius of the referenced well. Superior Oil is designated as operator of Section 4, T42S, R26E, SLM from Gulf Oil Corporation.

Very truly yours,

SUPERIOR OIL COMPANY

Charles L. Hill

C. L. Hill
Area Production Superintendent

DIB/1h

DESIGNATION OF OPERATOR

Indian Affairs

The undersigned is, on the records of the Bureau of ~~Land Management~~ 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 $\frac{1}{4}$

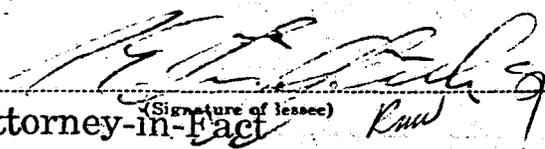
not to exceed the base of the Desert Creek
(Pennsylvanian) Formation and not to exceed
6,100' beneath the surface.

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: 
(Signature of lessee)
Attorney-in-Fact

P.O. Drawer 1150
Midland, Texas 79702

9-28-81

(Date)

(Address)

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 #4-22
3356' FSL, 1604' FWL
Section 4, T42S, R26E
San Juan County, Utah

Dear Mr. Vinyard:

The "Surface Use Development Plan" for the proposed Superior's Kin diilidii #4-22 is as follows:

1. The existing roads and the location of the off road exits are shown on the attached road and pipeline plat.
2. A new 100' X 20' access road will be required as shown on the attached plat. The proposed road will run north from an existing county road to the location and will be of compacted sand and gravel with a maximum grade of 3%. 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 earth pits will be backfilled 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.
9. Surface land is owned by the Navajo Tribe and is used primarily for grazing. Vegetation is sparse and consists of scattered Galleta Grass, and Snakeweed. 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 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 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.

10-15-81
Date


C. L. Hill
Area Production Superintendent

SUPPLEMENT TO FORM 9-331-C

WELL: Kin diilidii #4-22
1604' FWL, 3356' FSL, Sec. 4, T42S, R26E

ELEVATION: 4830' ungraded ground level.

SURFACE FORMATION: Morrison

ESTIMATED FORMATION TOPS: (Measured from KB at 4844')

Bluff	614'
Summerville	824'
Entrada	974'
Navajo	1094'
Chinle	2014'
DeChelly	2954'
Organ Rock	2994'
Cutler	3734'
Hermosa	4752'
Upper Ismay	5699'
Lower Ismay	5789'
Gothic Shale	5839'
Desert Creek	5884'
TD	6000'

WATER BEARING FORMATIONS: Water could be encountered intermittently from 600' to 2014' and 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 2070' - Gelled fresh water at 8.5 - 8.8 ppg.
2070' 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 2070'. Hole size 12-1/4".
Production - 5-1/2", 15.5#/ft, 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 750 sx light lead and 200 sx class 'B' tail.
Production - Cement with 250 sx class 'B'.

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

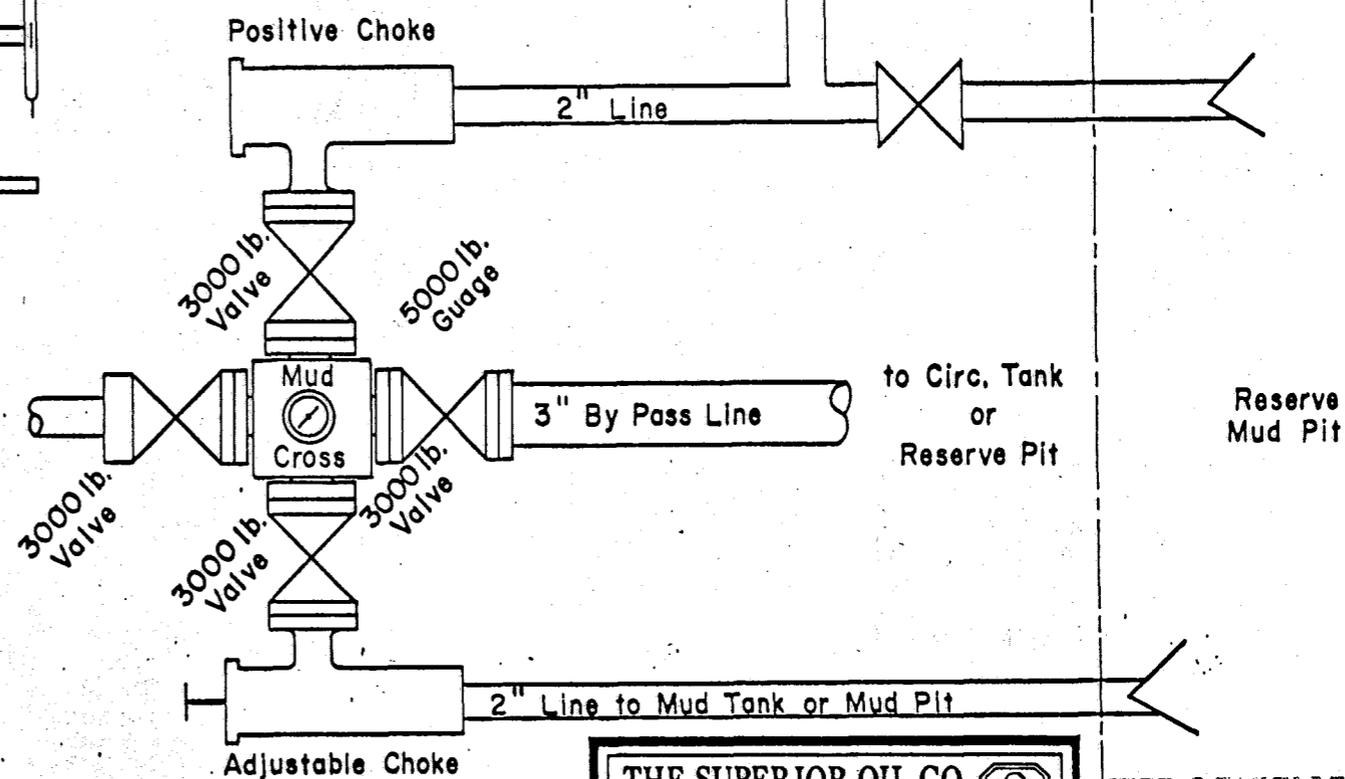
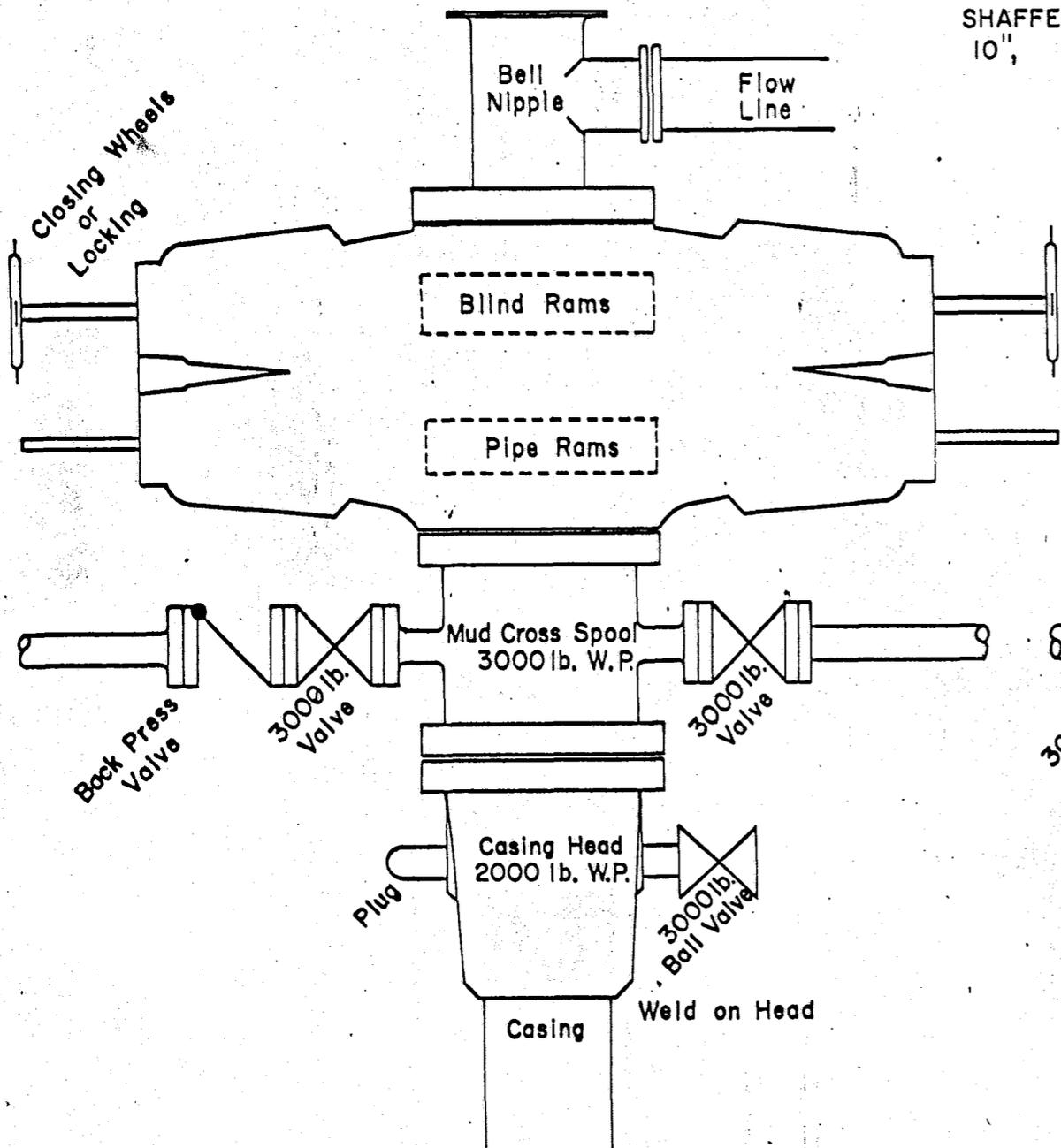
DRILL STEM TEST: No drill stem test planned at this time.

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: January 15, 1982 for 15 days.

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



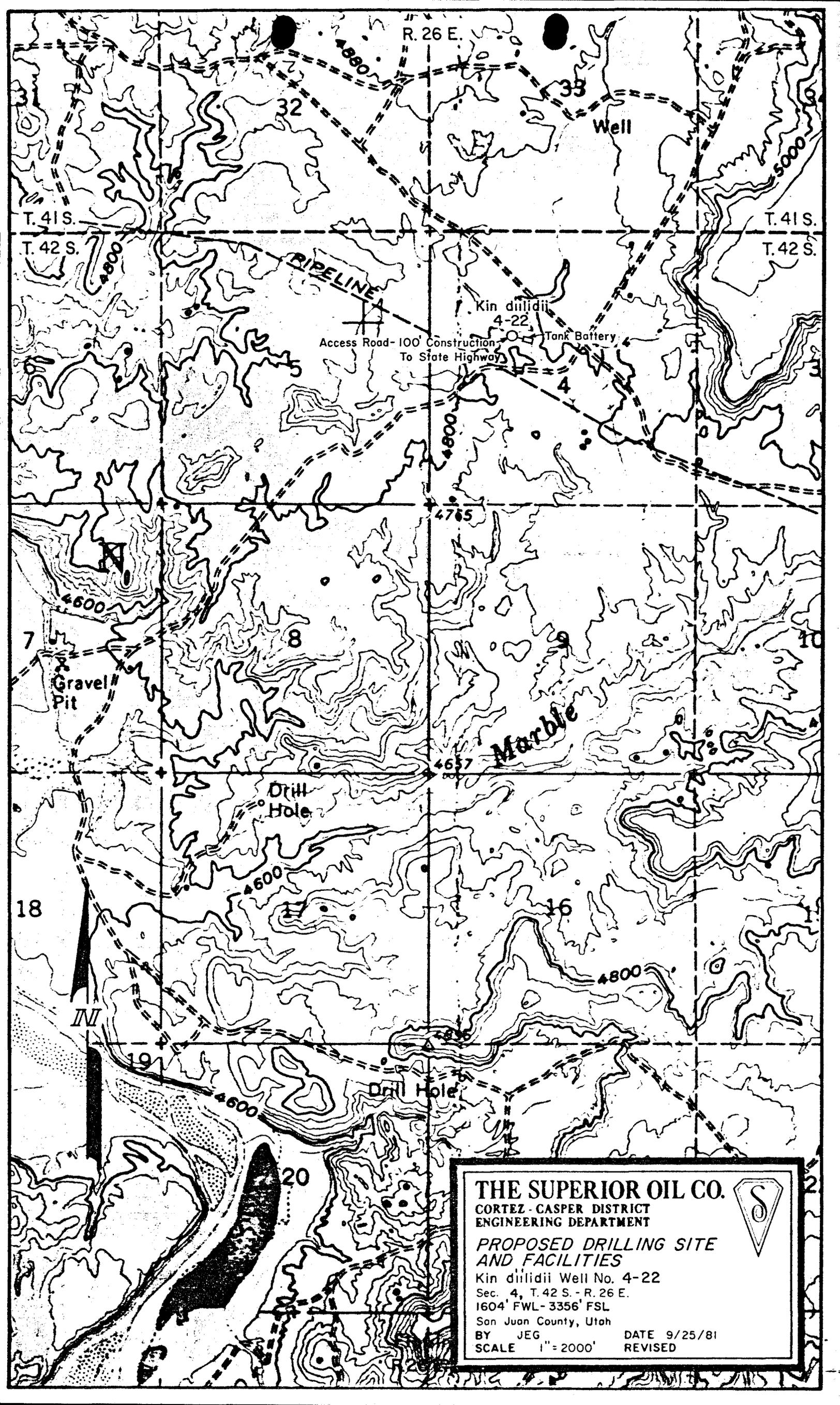
Circulating Tank

Reserve Mud Pit

THE SUPERIOR OIL CO.
 CORTEZ-CASPER DISTRICT
 ENGINEERING DEPARTMENT

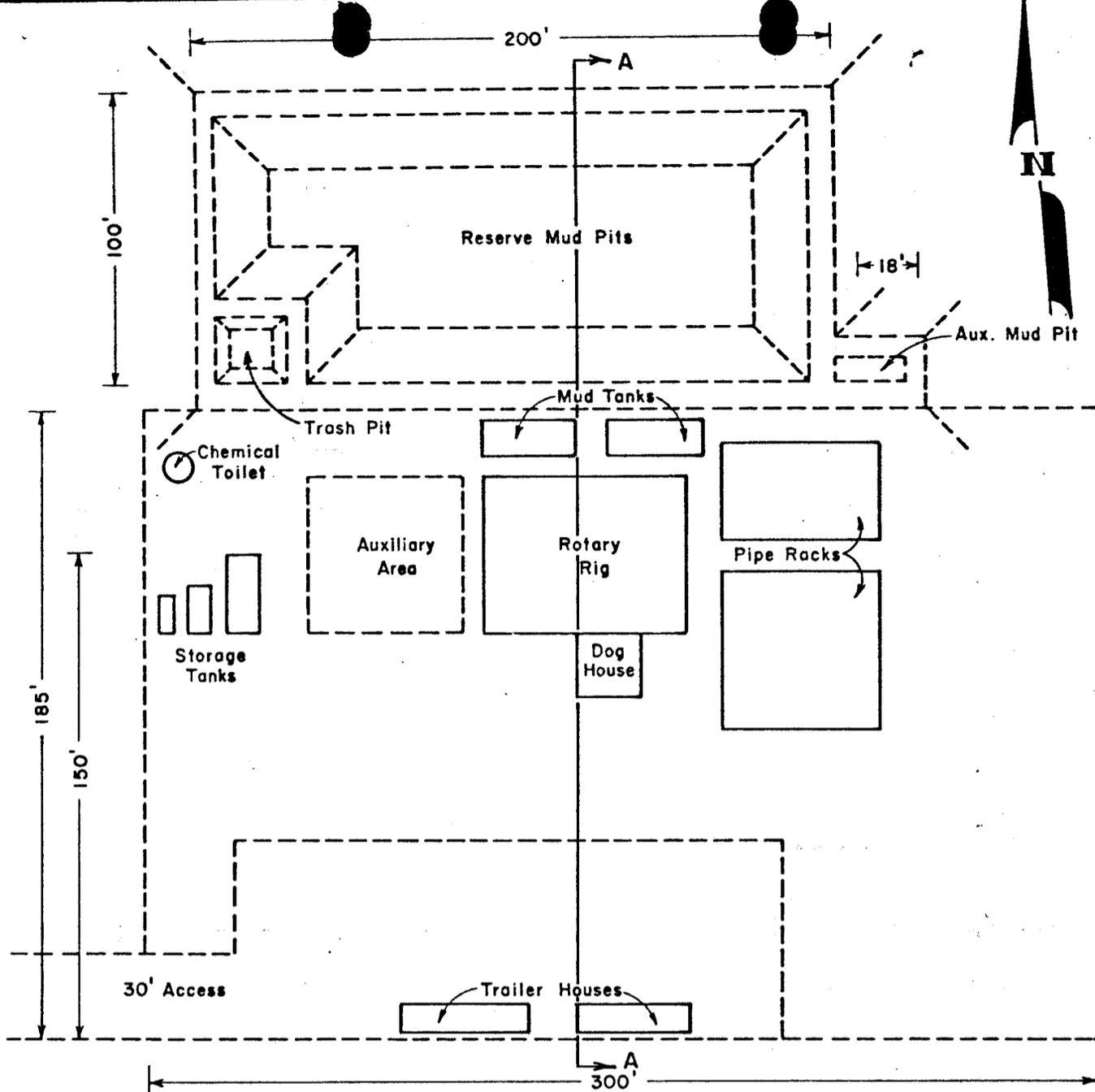
**SCHEMATIC DIAGRAM
 OF PRESSURE CONTROL
 EQUIPMENT**

BY JEG DATE 6/25/79
 SCALE NONE REVISED



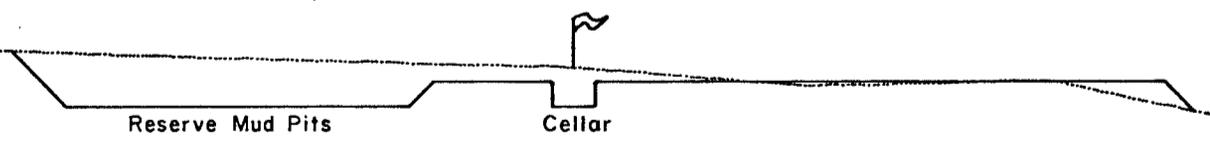
THE SUPERIOR OIL CO.
 CORTEZ - CASPER DISTRICT
 ENGINEERING DEPARTMENT
*PROPOSED DRILLING SITE
 AND FACILITIES*
 Kin diilidii Well No. 4-22
 Sec. 4, T. 42 S. - R. 26 E.
 1604' FWL- 3356' FSL
 San Juan County, Utah
 BY JEG DATE 9/25/81
 SCALE 1" = 2000' REVISED

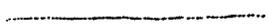
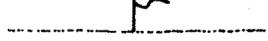




The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
 Kin diilidii No. 4-22
 Original Elev. 4829.8



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. 4-22
 Sec. 4, T. 42 S.-R. 26 E.
 San Juan Co., Utah
 BY JEG DATE 9/25/81
 SCALE 1" = 50' REVISED

T. 41S.

32 33 33 34

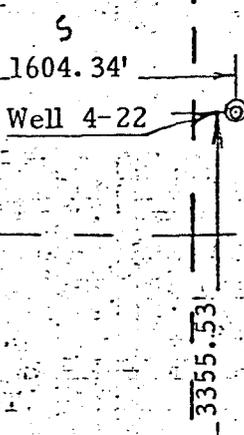
T. 42S.

5 4 4 3

SECTION 4
T. 42S., R. 26E., S.L.M.,
San Juan County, Utah

Found original stone

Found original stone



Well 4-22 is located in the
SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 4,
T. 42S., R. 26E., S.L.M.,
San Juan County, Utah

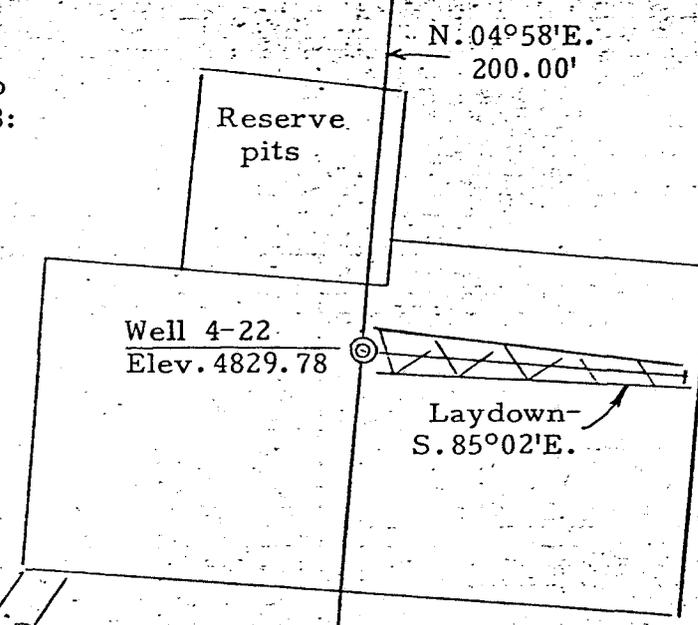
Scale:
1" = 1000'

8 9 9 10

Ref. elev. 4836.81

Elevation datum is USGS map
elevation for NE Cor. Sec. 8:
elev - 4765

Soil: Rocky.
Vegetation: Sparse brush.



Access road - 100' to
State Highway

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

Ref. elev. 4817.68

SECTION A-A

- 40
- 30
- 20
- 10

C/L drainage

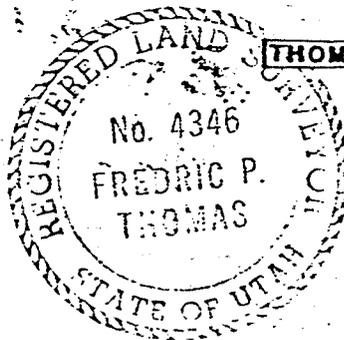
KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plat from an
actual and accurate survey of the land and that the
same is true and correct to the best of my knowledge
and belief.

Fredric P. Thomas

FREDRIC P THOMAS
Reg. L.S. and P.E.
Soloer
Bearing by
Soloer
observation.

Utah Reg. No. 4346

N



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

** FILE NOTATIONS **

DATE: Oct. 26, 1981
OPERATOR: Superior Oil Company.
WELL NO: Kin diilidii #4-22
Location: Sec. 4 T. 42S R. 26E County: San Juan

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

API Number 43-087-30737

CHECKED BY:

Petroleum Engineer: M.S. Winder 10-28-81

Director: _____

Administrative Aide: ok as per Rule C-3(c)

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 2nd Plotted on Map

Approval Letter Written

Hot Line P.I.

October 28, 1981

Superior Oil Company
P. O. Drawer "G"
Cortez, Colo. 81321

RE: Well No. Kin D111111 #4-22,
Sec. 4, T. 42S, R. 26E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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

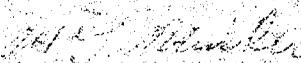
Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-037-30737.

Sincerely,

DIVISION OF OIL, GAS AND MINING


Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 5, 1982

Superior Oil Company
P. O. Drawer "G"
Cortez, Colorado 81321

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Carl Furse
Clerk Typist

Well No. East Aneth #28-32
Sec. 28, T. 41S, R. 26E.
San Juan County, Utah

Well No. East Aneth #29-41
Sec. 29, T. 41S, R. 26E.
San Juan County, Utah

Well No. East Aneth #30-32
Sec. 30, T. 41S, R. 26E.
San Juan County, Utah

Well No. Kin Dillidii #4-22
Sec. 4, T. 42S, R. 26E.
San Juan County, Utah

~~Well No. Kin Dillidii #10-13~~
~~Sec. 10, T. 42S, R. 26E.~~
~~San Juan County, Utah~~

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