

SUPERIOR OIL

September 17, 1982

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

Re: Alkali Point #17-22
1550' FNL, 1561' FWL
Section 17, T38S, R24E 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 17, T38S, R24E, SLM from Celeste C. Grynberg, Sidney M. Weinstein and Peter J. Scott.

Very truly yours,

SUPERIOR OIL COMPANY

Charles L. Hill

Charles L. Hill
Area Production Superintendent

DIB/1h



SUPERIOR OIL

September 17, 1982

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

Re: Alkali Point #17-22
1550' FNL, 1561' FWL
Section 17, T38S, R24E, SLM
San Juan County, Utah

Dear Mr. Minder:

Enclosed is Superior Oil's Application for Permit to Drill the captioned well. This well is staked on an unorthodox location in accordance with Rule C-3 (c) State of Utah, General Rules and Regulations and Rules of Practice and Procedure. This is necessary to remain greater than 200' from a Pure Transportation Company Pipeline running north and south through SE-1/4 NW-1/4 of Section 17. An exception is requested since the well is within 500' of a 1/4-1/4 section line.

If there are any questions, please feel free to contact me. Your cooperation in this matter is appreciated.

Very truly yours,

SUPERIOR OIL COMPANY



Charles L. Hill
Area Production Superintendent

DIB/lh

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 1550' FNL, 1561' FWL, SEC. 17, T38S, R24E, SLM SEP 28 1982

At proposed prod. zone
Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Hatch, Utah - 9 miles NNE

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
1530'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
6300'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5441.15' Grade

22. APPROX. DATE WORK WILL START*
November 20, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	13-3/8"	54.5#	100'	180 sx
12-1/4"	8-5/8"	24#	2160'	900 sx Light, 200 sx Class "B"
7-7/8"	5-1/2"	15.5#	6300'	300 sx Class "B"

1. Drill 18" hole to 100', set 100' of new 13-3/8", 54.5#/ft. K-55 ST&C casing. Cement to surface with Redimix.
2. Drill 12-1/4" hole to 2160', set 2160' of new 8-5/8", 24#/ft. K-55 ST&C casing. Cement to surface with 900 sx Light and 200 sx Class "B".
3. Drill 7-7/8" hole to 5885', core 60' of Upper Ismay, DST Upper Ismay, drill to 6095', core 120' of Desert Creek, DST Desert Creek, drill to total depth of 6300', condition hole and run open hole logs from 6300' to 2160', set 6300' of new 5-1/2", 15.5#/ft. K-55 ST&C casing. Cement with 300 sx Class "B".
4. Complete in Ismay and/or Desert Creek based on core, DST and log evaluation and stimulate as necessary.

Orig + 3 - MMS-SLC; MMS - Dur; BLM - Monticello; State - 3, Reg. Group, 11 Files

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 D. I. Blanscet TITLE Sr. Production Engineer DATE 9-17-82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____

RECEIVED
DIVISION OF OIL, GAS & MINING
SEP 28 1982
CHANNET REC

5. LEASE DESIGNATION AND SERIAL NO.
USA-U-20904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
ALKALI POINT

9. WELL NO.
#17-22 ✓

10. FIELD AND POOL, OR WILDCAT
UNDESIGNATED WILDCAT

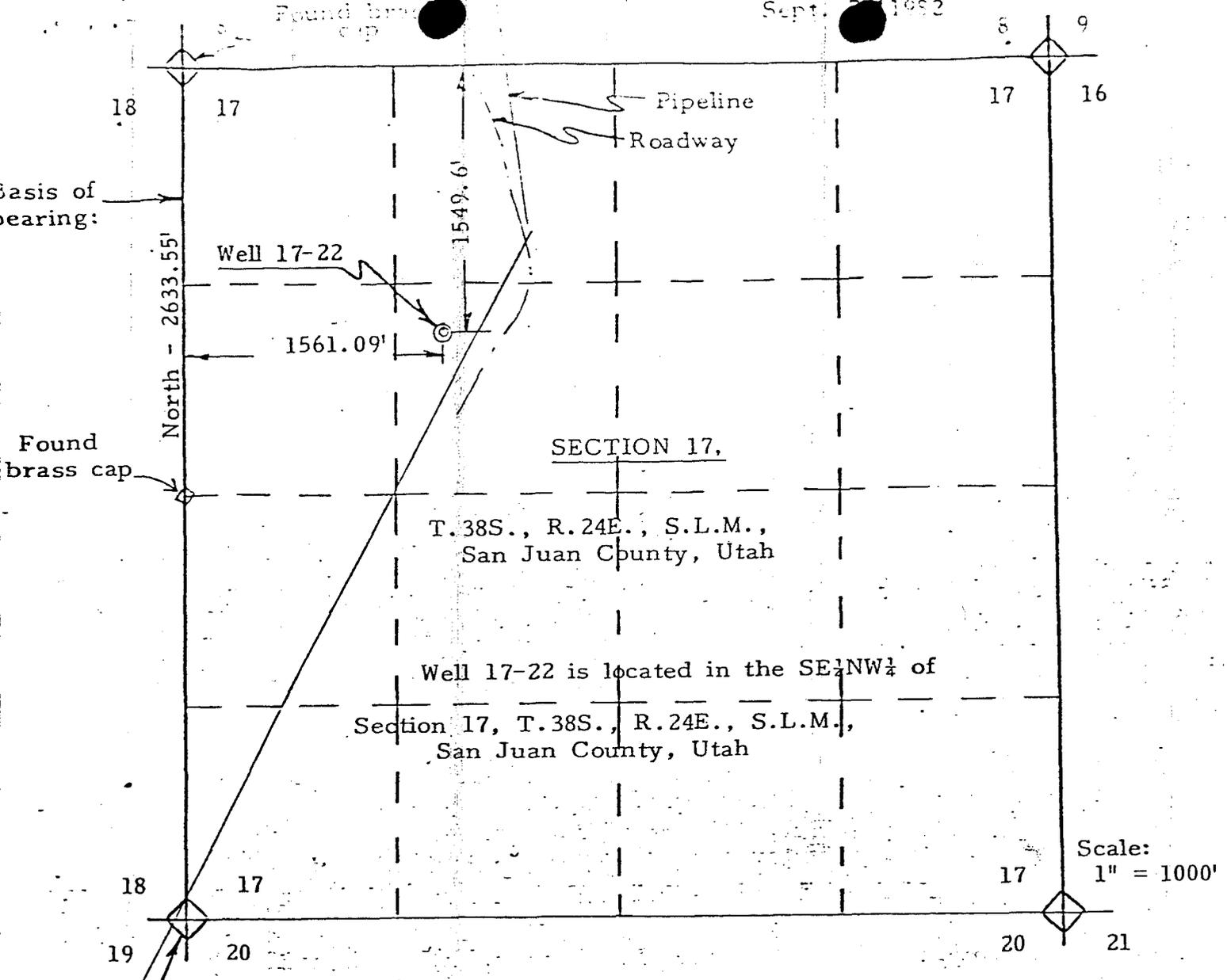
11. SEC., T., R., M., OR BLK. AND SUBVEY OR AREA
SEC. 17, T38S, R24E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 9-29-82
BY: Norman Stout

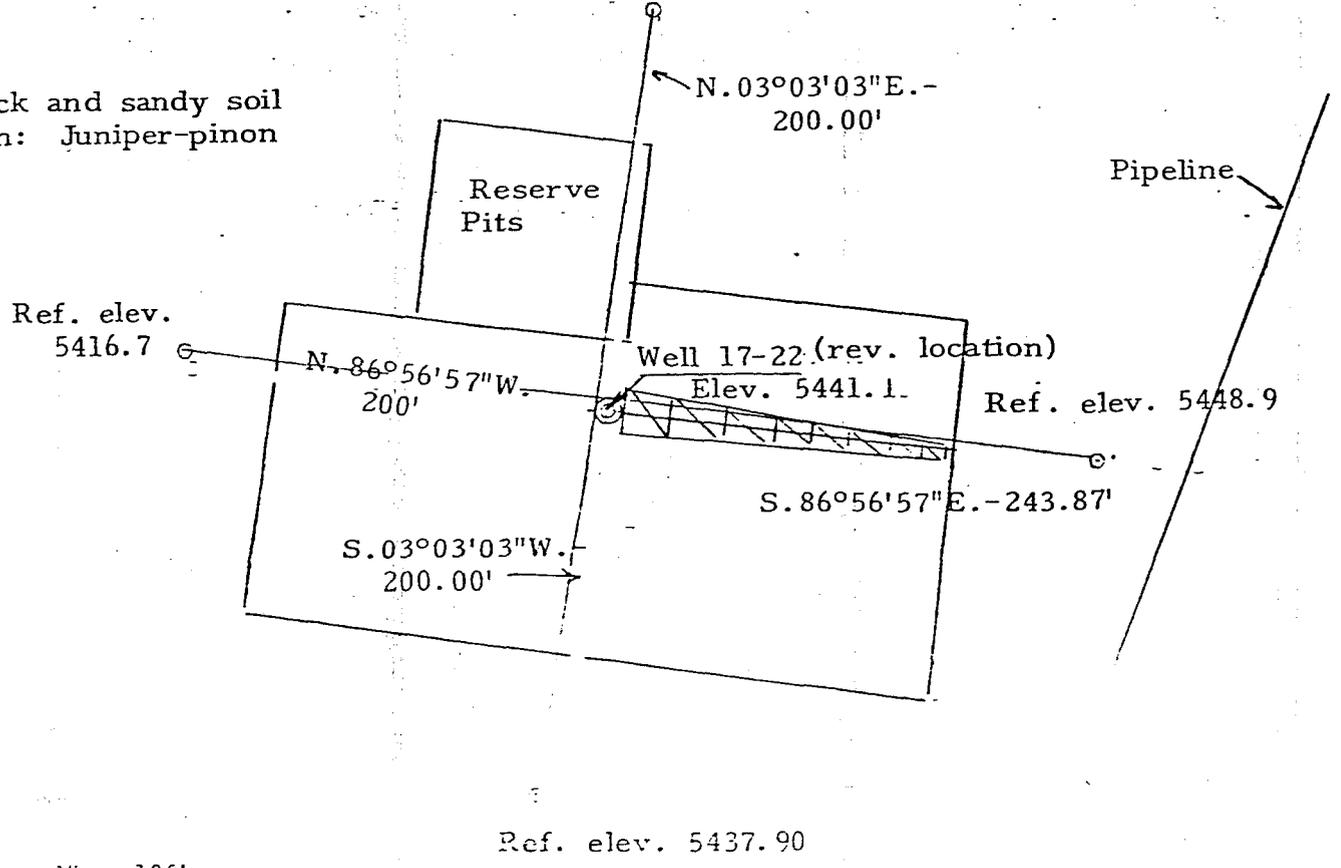
Sept. 7, 1982



Found brass cap - basis of elev., USGS elev. 5303

Ref. elev. 5438.8

Soil: Rock and sandy soil
Vegetation: Juniper-pinon



Scale: 1" = 100'

KNOW ALL MEN BY THESE PRESENTS:
THAT I, FREDRIC P. THOMAS
do hereby certify that I prepared this plot 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.
Cada Reg. No. 6728

Bearing by
Solar
observation



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND NUMBER: USA-U-20904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: ALKALI POINT

9. WELL NO.: #17-22

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA: SEC. 17, T38S, R24E, SLM

12. COUNTY OR PARISH: SAN JUAN

13. STATE: UTAH

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: 1530' FNL, 1520' FWL, SEC. 17, T38S, R24E, SLM
At proposed prod. zone: Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Hatch, Utah - 9 miles NNE

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1530'

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 80

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

19. PROPOSED DEPTH: 6300'

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5441.15' Grade

22. APPROX. DATE WORK WILL START*: November 20, 1982

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
18"	13-3/8"	54.5#	100'	180 sx
12-1/4"	8-5/8"	24#	2160'	900 sx Light, 200 sx Class "B"
7-7/8"	5-1/2"	15.5#	6300'	300 sx Class "B"

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3. Drill 7-7/8" hole to 5885', core 60' of Upper Ismay, DST Upper Ismay, drill to 6095', core 120' of Desert Creek, DST Desert Creek, drill to total depth of 6300', condition hole and run open hole logs from 6300' to 2160', set 6300' of new 5-1/2", 15.5#/ft, K-55 ST&C casing. Cement with 300 sx Class "B".
4. Complete in Ismay and/or Desert Creek based on core, DST and log evaluation and stimulate as necessary.

Orig + 3 - MMS-SLC; MMS - Dur; BLM - Monticello; State - 3, Reg. Group, 3 Files

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 D. J. Blanscet TITLE Sr. Production Engineer DATE 9-17-82
(This space for Federal or State office use)

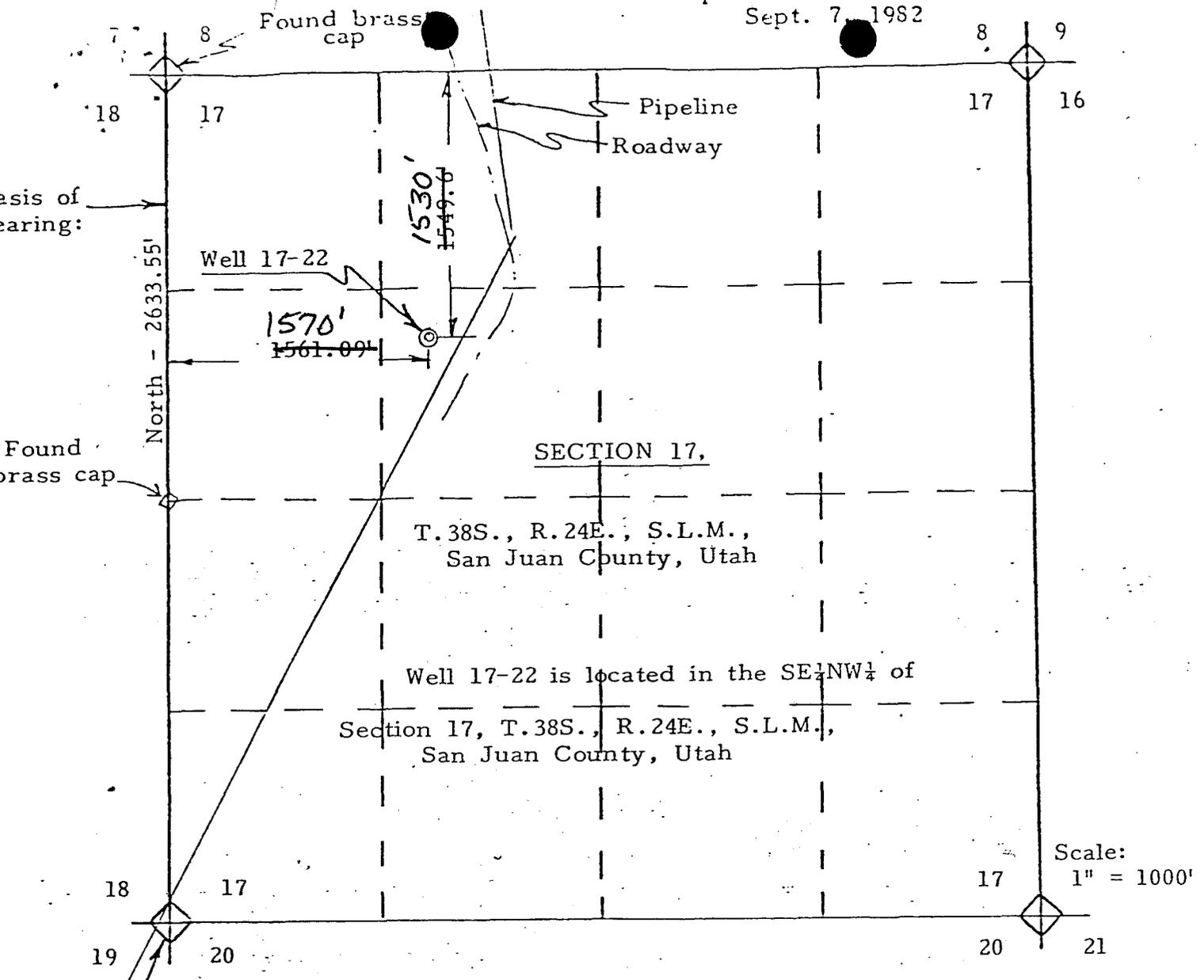
PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY [Signature] TITLE E. W. Gynn District Oil & Gas Supervisor DATE NOV 02 1982
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

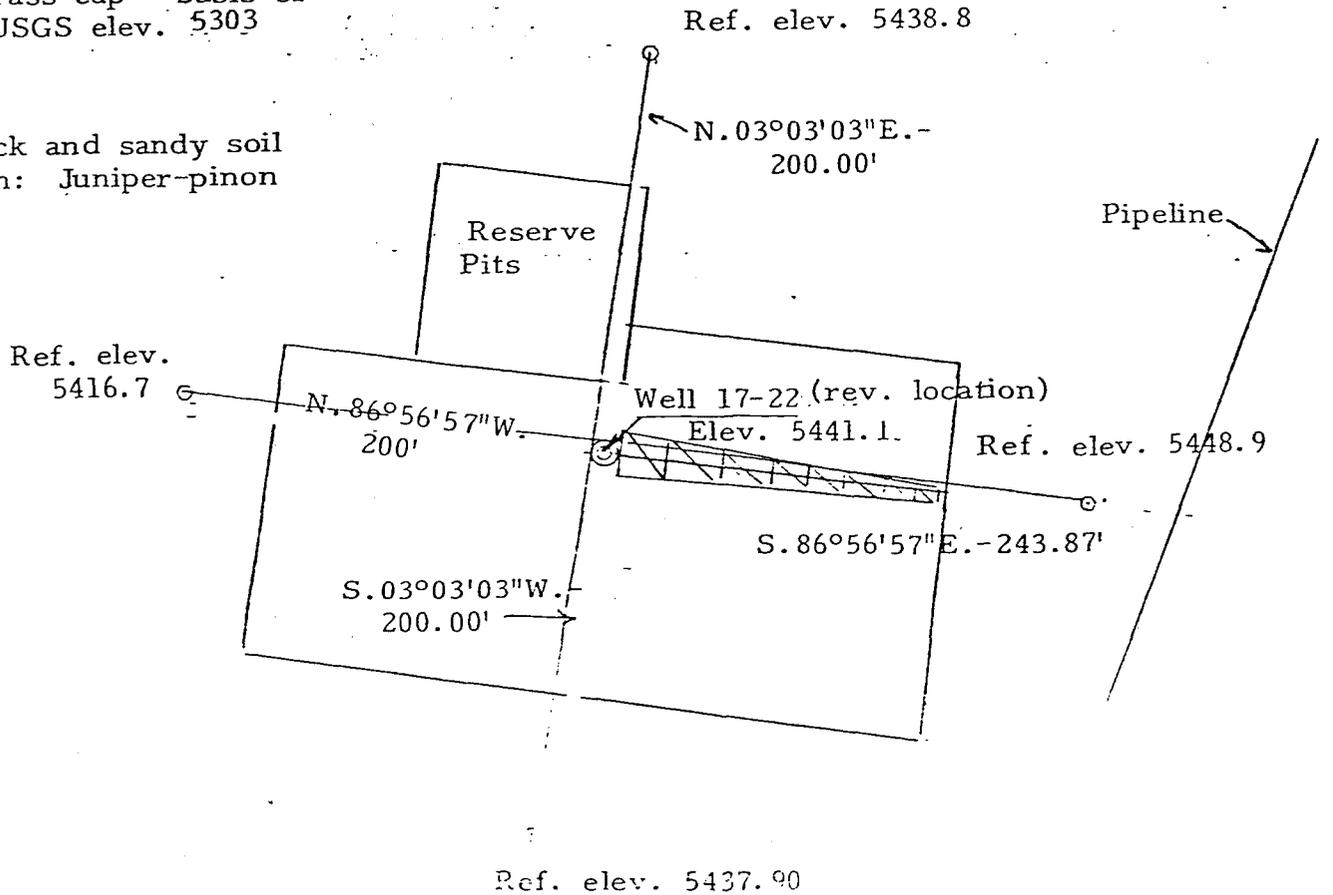
State O & G

Sept. 7, 1982



Found brass cap - basis of elev., USGS elev. 5303

Soil: Rock and sandy soil
Vegetation: Juniper-pinon



Scale: 1" = 100'

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 n. s. n. 4346



THOMAS Engineering Inc.

215 N. Linden
 Cortez, Colorado
 565-4496

Superior Oil Company
Well No. 17-22
Section 17, T.38S., R.24E.
San Juan County, Utah
Lease U-20904

Supplemental Stipulations

Construction:

- 1) The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM Stipulations before any work.
- 2) The San Juan County Road Department (801-587-2231, ext. 43), will be contacted before county roads are used.
- 3) Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer (801-647-1303) and by receiving permission from the land owner or surface managing agency to use the land containing the water source.
- 4) If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
- 5) New construction will be limited to a total disturbed width of 20 feet. Surfacing material will not be placed on the access road or location without prior BLM approval.
- 6) Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- 7) A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in.
- 8) Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
- 9) Adequate and sufficient electric/radioactive logs will be run to locate and identify the saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

Reclamation:

- 1) The operator or his contractor will contact the BLM office in Monticello, Utah (801-587-2201), 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- 2) Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- 3) When broadcast seeding, a harrow or similar implement will be dragged over the seeded area to assure seed cover.
- 4) After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.

Production:

- 1) The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
- 2) All above-ground production facilities will be painted a neutral color to be approved by the BLM.
- 3) The access shall be upgraded to BLM Class III road specifications.

SUPPLEMENT TO FORM 9-331-C

WELL: Alkali Point #17-22
1550' FNL, 1561' FWL SLM

ELEVATION: 5441' Ungraded Ground Level

SURFACE FORMATION: Dakota

ESTIMATED FORMATION TOPS:

Chinle	2110'
DeChelly	3085'
Upper Hermosa	5046'
Upper Ismay	5885'
Lower Ismay	6025'
Gothic Shale	6075'
Desert Creek	6095'
Chimney Rock	6200'
TD	6300'

WATER BEARING FORMATION: Water could be encountered intermittently from 400' to 2110'.

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

MUD PROGRAM: Surface to 2600' - gelled fresh water at approximately 8.4 - 8.8 ppg.
2600' - 6300' - lignosulfonate or similar mud system with water loss controlled at 12-20 cc and weighted to 9.4 - 9.6 ppg and viscosity of 36-40 Sec. API.

CASING: Conductor - 13-3/8" 54.5#/ft K-55 ST&C new casing set to 100'. Hole size 18".
Surface - 8-5/8" 24#/ft K-55 ST&C new casing set to 2160'. Hole size 12-1/4".
Production - 5-1/2", 15.5#/ft K-55 ST&C new casing set to 6300'. Hole size 7-7/8".

CEMENT PROGRAM: Conductor - cement to surface with Redimix. 180 sx.
Surface - cement to surface with 900 sx Light and 200 sx Class "B".
Production - cement with 300 sx Class "B".

LOGGING PROGRAM: DIL-GR, FDC-CNL, BHC Sonic, Velocity Survey from TD to 2160'.

(2)

DRILL STEM TESTS:

DST #1 - Upper Ismay at 5885'.

DST #2 - Desert Creek at 6095'.

CORING:

One 60' core - Upper Ismay

Two 60' cores - Desert Creek

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 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: November 20, 1982 for 20 days.

DIB/lh

SUPERIOR OIL

September 17, 1982

Mr. R. W. Guynn
District Supervisor
Minerals Management Service
Oil & Gas Division
2000 Administration Bldg.
1745 West, 1700 South
Salt Lake City, Utah 84104

Re: Surface Use Development Plan
Alkali Point #17-22
1550' FNL, 1561' FWL
Section 17, T38S, R24E SLM
San Juan County, Utah

Dear Mr. Guynn:

The "Surface Use Development Plan" for Superior's proposed Alkali Point #17-22 is as follows:

1. The existing road and pipeline locations are shown on the attached survey plat.
2. Access to the location will be via the pipeline road which will intersect the edge of the drill site location. Improvement to the existing access road will be required but will be limited to the existing disturbed width.
3. The proposed drill site location size and layout is shown on the attached plat. The top 6 inches of soil material will be removed from the location and stockpiled northeast of location as indicated on attached plat. Materials necessary for construction of the drilling pad will be obtained from the location. No major cuts or fills are anticipated.
4. A trash pit will be constructed near the mud tanks with steep sides and dug at least 6' into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The reserve pit may be lined at the contractors discretion with Bentonite or plastic and fenced on three sides with four strand barbed wire.
5. The location and position of drilling equipment is shown on the attached plat. Small portable trailer houses for company and contract personnel may be on location. A sufficient number of OSHA approved chemical toilets will be provided and maintained.

SUPERIOR OIL

6. Water for drilling operations will be obtained from the Perkins Ranch.
7. If the well is productive, a tank battery to separate oil, gas and water will be constructed on the drill pad with the heater treater located at least 150' from wellhead on the southwest corner of pad. The stock tanks will be located on the east end of pad at least 200' from the heater treater location.
8. Upon completion of drilling, all trash will be collected from the location and surrounding area, disposed of in the trash pit, compacted and buried under a minimum of 2' of compacted soil.
9. When the reserve pit is dry, all disturbed areas will be recontoured, stockpiled topsoil spread evenly over disturbed area and the area scarified with the contour to a depth of 12 inches. Seed will be broadcast between October 1 and February 28 with following prescription per BLM request:

2#/acre Indian Ricegrass
2#/acre Fourwing Saltbush
1#/acre Alkali Sacaton
1#/acre Shadscale
1#/acre Curleygrass

Very truly yours,

SUPERIOR OIL COMPANY

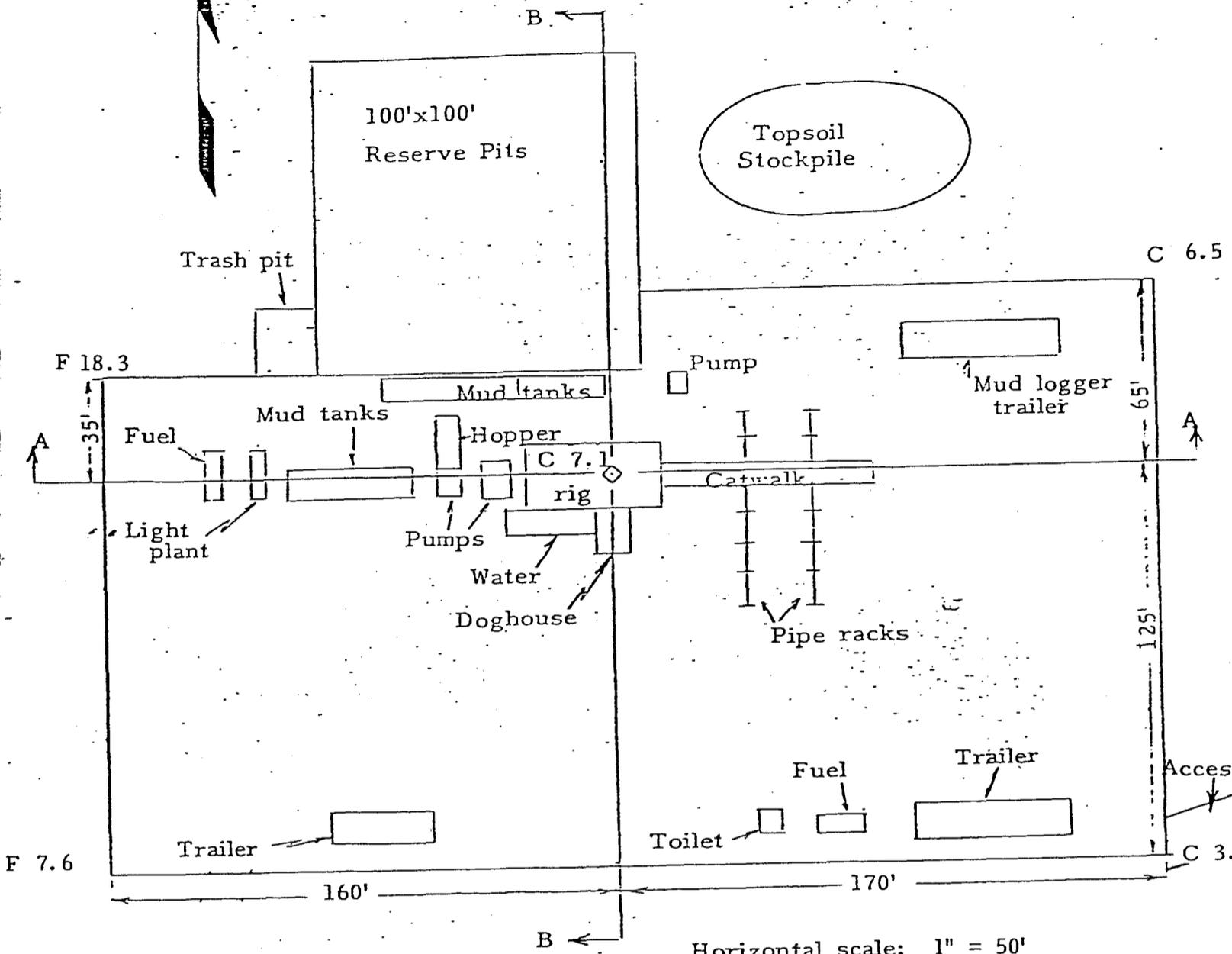


Dwaine I. Blanscet
Sr. Production Engineer

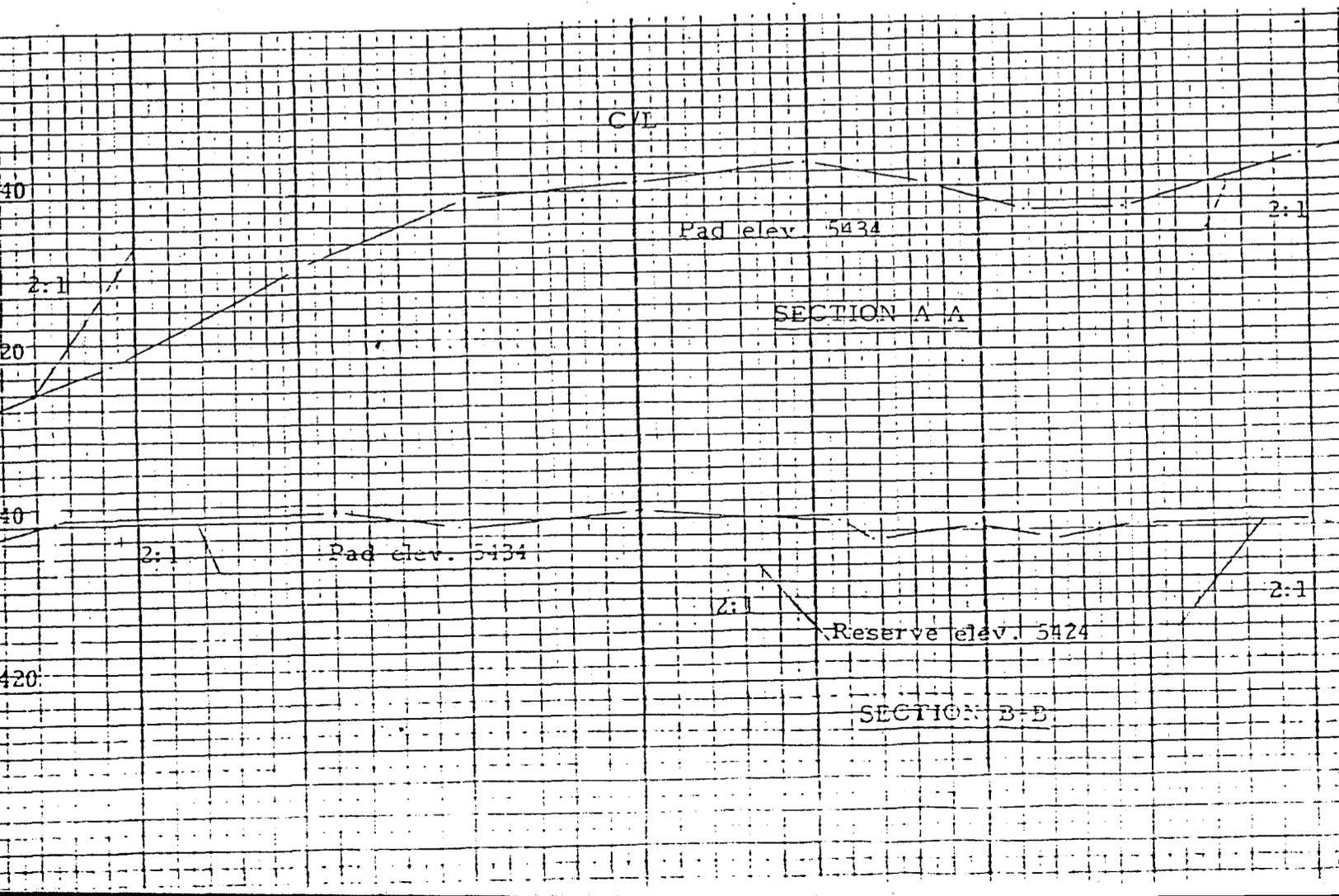
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated 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.

9/20/82
Date

Charles L. Hill
Charles L. Hill
Area Production Superintendent

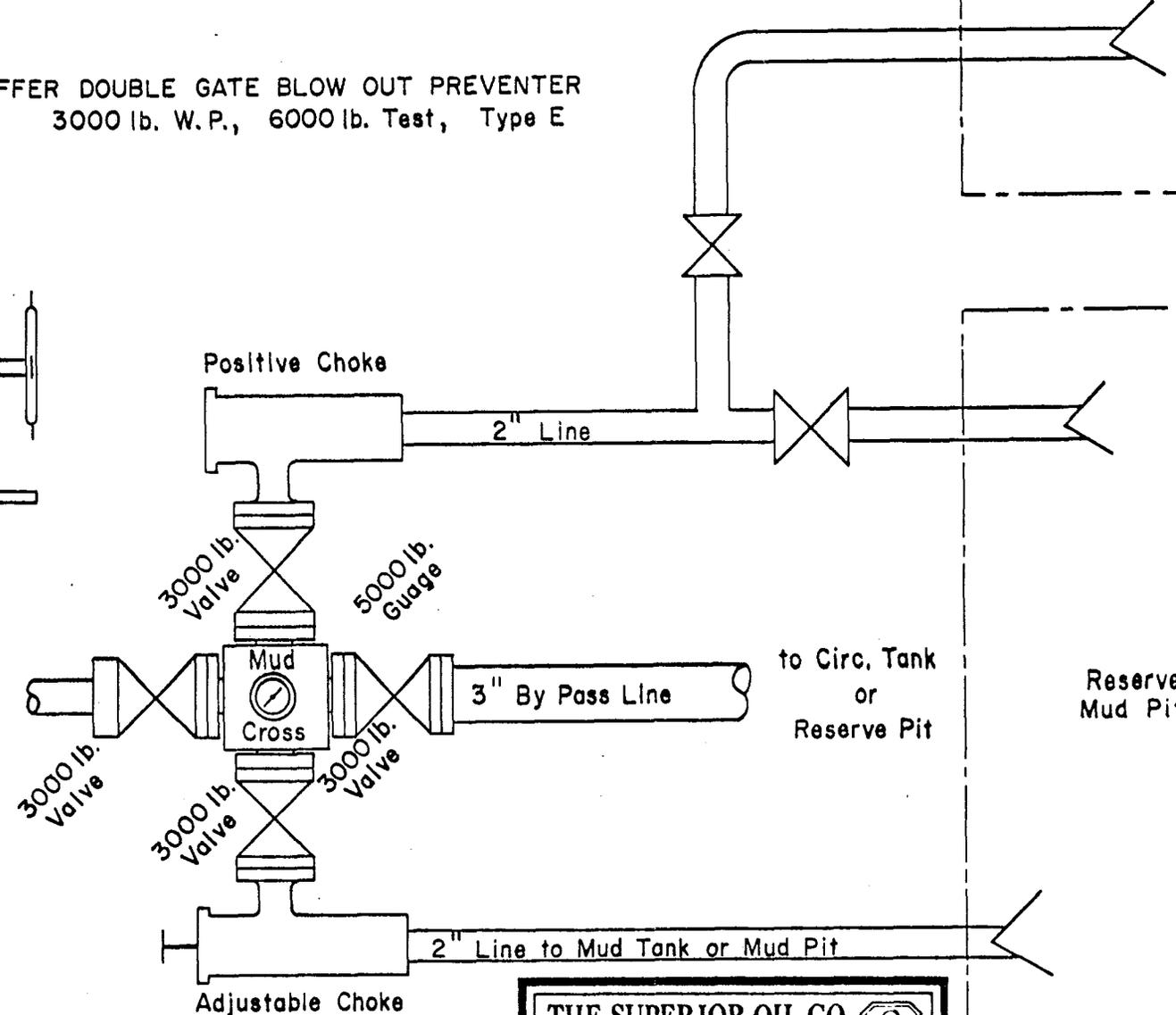
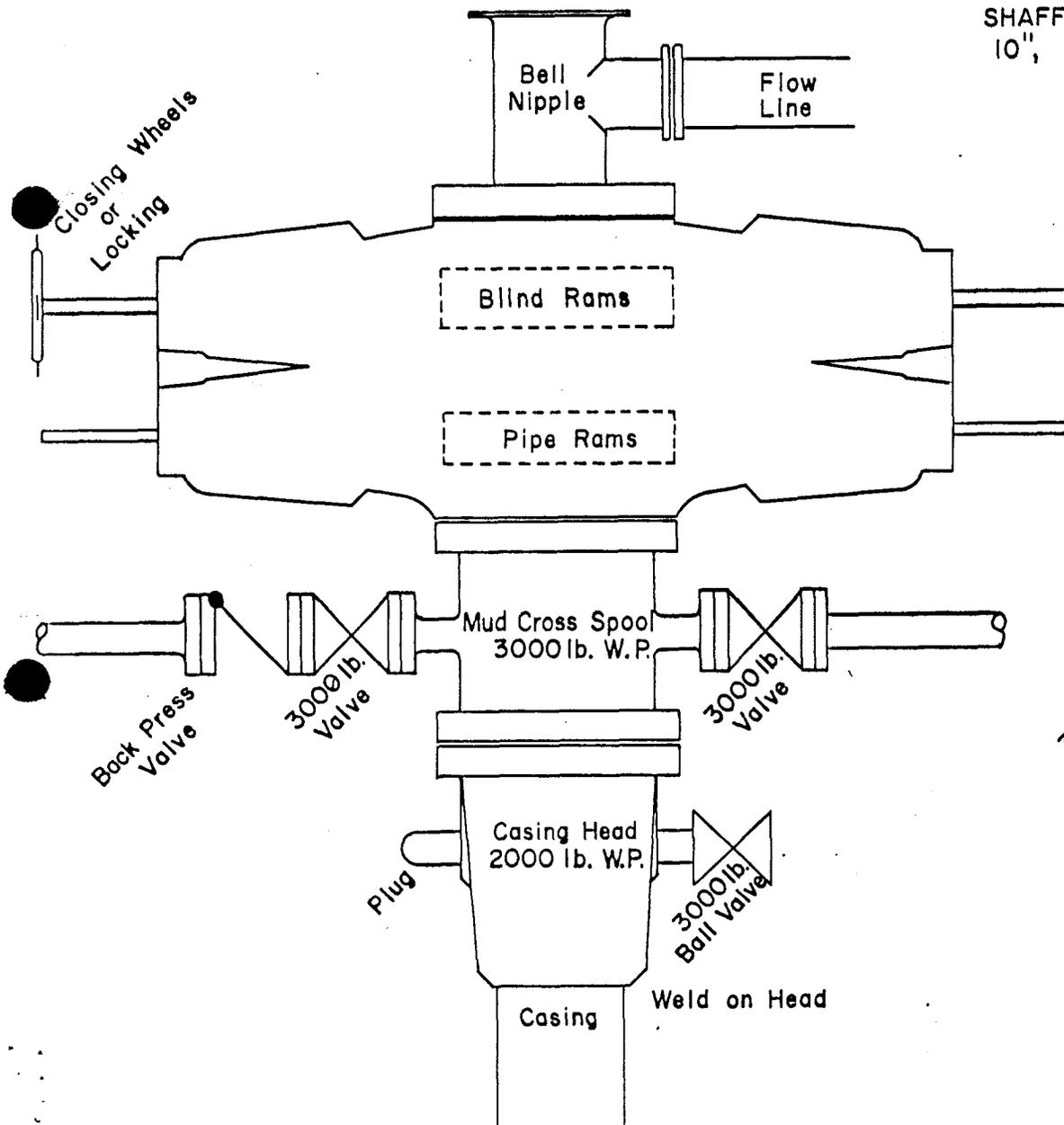


Horizontal scale: 1" = 50'
 Vertical scale: 1" = 20'



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 JEG DATE 6/25/79
SCALE NONE REVISED

OPERATOR SUPERIOR OIL CO DATE 9-29-82

WELL NAME ALKALI POINT #17-22

SEC SE NW 17 T 38 S R 24 E COUNTY SAN JUAN

43-637-30820
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

241 FW QAL, 230 FN QAL

NO NEARBY WELLS OR SITES

RJP ✓

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c ✓

SPECIAL LANGUAGE:

REQUESTED UNORTHODOX LOCATION IS DEEMED ESSENTIAL IN ORDER TO MAINTAIN REASONABLE DISTANCE FROM PIPELINE RUNNING THROUGH MIDDLE OF SECTION.

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC. *THE HATCH FIELD INCLUDES THE EAST 1/2 OF SEC 16*

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

POTASH *no*

September 30, 1982

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

RE: Well No. Alkali Point #17-22
SENE Sec. 17, T.38S, R.24E
San Juan County, Utah

Gentlemen:

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:

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

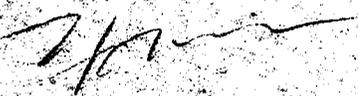
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-037-30820.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other

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. See space 17 below.)
AT SURFACE: 1457' FNL, 1615' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
USA-U-20904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
ALKALI POINT

9. WELL NO.
#17-22

10. FIELD OR WILDCAT NAME
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 17, T38N, R24E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30820

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5440' 8"

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
 - FRACTURE TREAT
 - SHOOT OR ACIDIZE
 - REPAIR WELL
 - PULL OR ALTER CASING
 - MULTIPLE COMPLETE
 - CHANGE ZONES
 - ABANDON*
 - (other) Move location

- SUBSEQUENT REPORT OF:
- -
 -
 -
 -
 -
 -
 -

RECEIVED

NOV 16 1982

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

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.)*

The location of the subject well has been moved from 1530' FNL, 1570' FWL to 1457' FNL, 1615' FWL. This move was necessary in order to avoid an archaeological find near the original site.

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

DATE: 11-19-82

BY: *[Signature]* Set @ _____ Ft.

Orig + 3 - MMS - SLC, Dur; BLM-Monticello, State Reg Group, J.J. Files

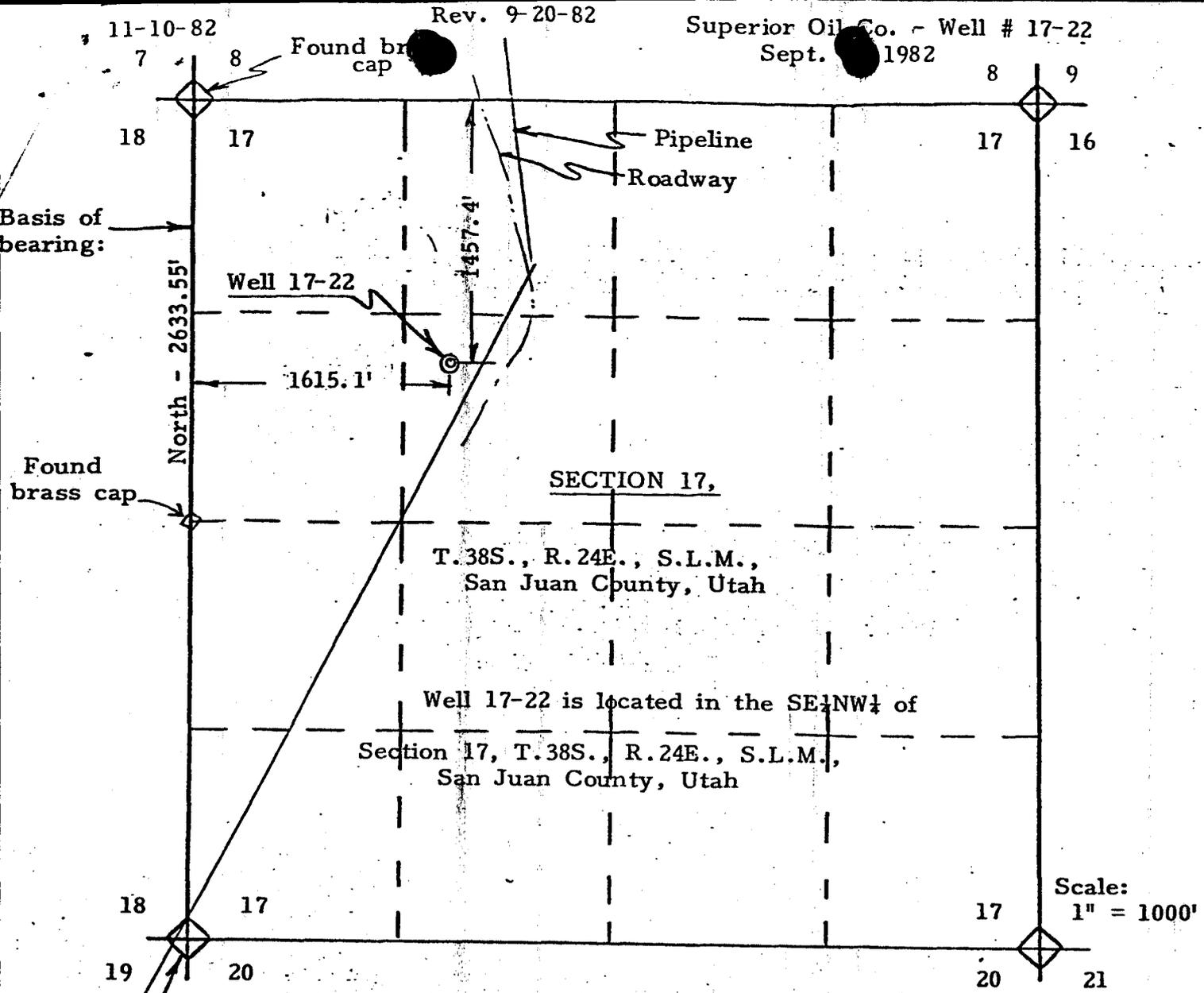
Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED J. S. ANDRES TITLE Petroleum Engineer DATE 11-11-82

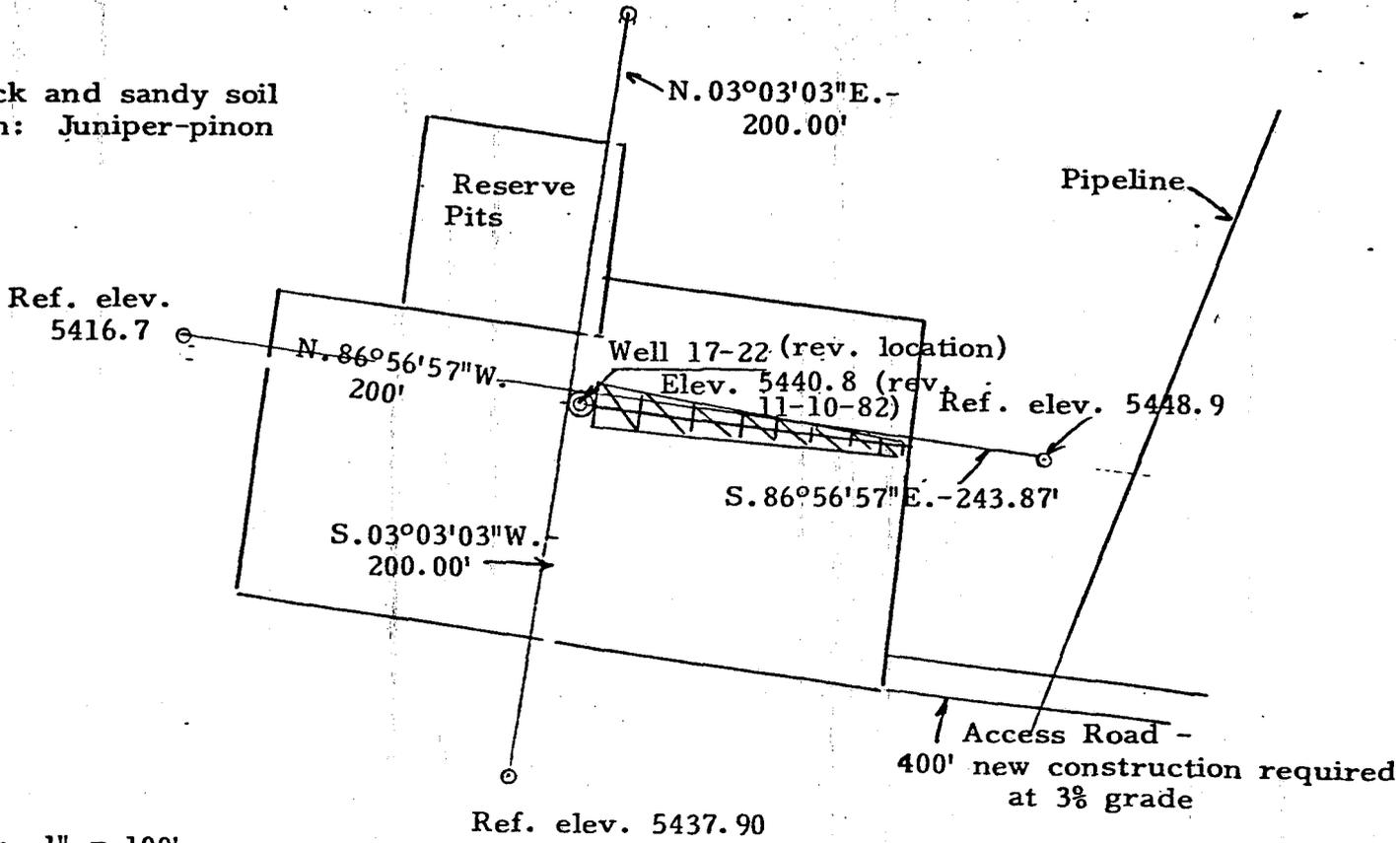
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____



Ref. elev. 5438.8

Soil: Rock and sandy soil
 Vegetation: Juniper-pinon



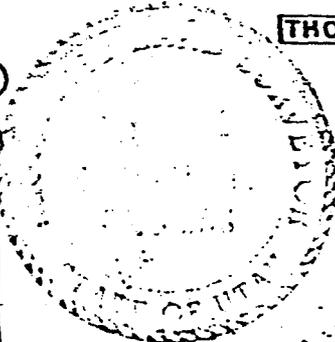
KNOW ALL MEN BY THESE PRESENTS:
 THAT I, FREDRIC P. THOMAS
 do hereby certify that I prepared this plat from an
 actual and accurate survey of the land and that the
 same is true and correct to the best of my knowledge
 and belief.

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. Lladen
 Cortez, Colorado
 565-4496

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Superior Oil Company

WELL NAME: Alkali Point 17-22

SECTION SEnw 17 TOWNSHIP 38S RANGE 24E COUNTY SAN JUAN

DRILLING CONTRACTOR Arapahoe Drilling

RIG # 2

SPUDDED: DATE 11-24-82

TIME 11:30 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY _____

TELEPHONE # _____

DATE November 24, 1982

SIGNED CBF

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(FORM 9-329)
(2/76)

OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. USA-U-20904
Communitization Agreement No. None
Field Name WILDCAT
Unit Name ALKALI POINT #17-22
Participating Area Sec. 17, T38S, R24E
County San Juan State Utah
Operator Superior Oil Company

Amended Report

The following is a correct report of operations and production including status of all plugged wells for the month of November, 19 82

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
17-22	SE-NE	38S	24E	DRL'G	None	None	None	None	MIRU Arapahoe #2. Spudded 11-24-82. Set conductor pipe 11-25-82. Set 2120' surface pipe 11-28-82. 11-30-82 4 A.M. - drilling at 2515'.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced			
*Sold			XXXXXXXXXXXXXXXXXX
*Spilled or Lost		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX		XXXXXXXXXXXXXXXXXX
*Used on Lease			XXXXXXXXXXXXXXXXXX
*Injected			
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	
*Other (Identify)			
*On hand, End of Month		XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content			XXXXXXXXXXXXXXXXXX

Authorized Signature: Wm H Edwards
Title: Special Projects Supt.

Address: P.O. Drawer "G", Cortez, Colorado 81321

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other Abandon

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. See space 17 below.)
AT SURFACE: 1457' FNL, 1615' FWL, SEC. 17
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
USA-U-20904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
ALKALI POINT

9. WELL NO.
#17-22

10. FIELD OR WILDCAT NAME
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 17, T38S, R24E, SLM

12. COUNTY OR PARISH 13. STATE
SAN JUAN UTAH

14. API NO.
43-037-30820

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5454' KB.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

11-23-82: MIRU Arapahoe Drilling Rig No. 2.
 11-24-82: Spudded at 11:30 A.M. Drilled 18" hole to 107'. Set 107' of 13-3/8", 48#, H-40 conductor. Cemented to surface.
 11-25/27-82: Drilled 12-1/4" hole to 2120'
 11-28-82: Set 2120' of 8-5/8", 24# & 28#, J-55, ST&C surface pipe. Cemented w/ 1006 sx B.J. Light Wt. & 200 sx of Class 'B' cement to surface.
 11-29/12-12-82: Drilled 7-7/8" hole to 5993',
 12-13/14-82: Cored 120' of Ismay 5993-6113'.
 12-15-82: Drilled 7-7/8" hole 6113-6210'. Cored 80' of Desert Creek 6210-6290'.
 12-16/17-82: Drilled 7-7/8" hole to 6330' TD. POH w/ drill pipe, drill collars & bit. MIRU Schlumberger. Ran DIL-GR, FDC-CNL, BHC Sonic & Velocity Survey.

OVER

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED James S. Andres TITLE Petroleum Engineer DATE Jan. 5, 1982
JAMES S. ANDRES

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED
APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS AND MINING
 DATE: 1/10/83
 BY: [Signature]

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

GPO : 1976 O - 214-149

- 12-17-82: MIRU B. J. Hughes. RIH w/ open-ended drill pipe. Spotted Plug #1 at 6200-6000' with 79 sx, 92 cu ft Class 'B' cement.
- 12-18-82: Spotted Plug #2 at 4120-3920' with 128 sx, 150 cu ft Class 'B' cement. Spotted Plug #3 at 2200-2000' with 89 sx, 104 cu ft Class 'B' cement. Spotted Plug #4 at 90' to surface with 25 sx, 30 cu ft Class 'B' cement. Cutoff 8-5/8" surface pipe flange, welded on 1/2" plate and dry hole marker.

Orig + 3 - BLM-SLC, Dur; BLM-Monticello, State, Reg Group, J.I., Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

M
6

5. LEASE DESIGNATION AND SERIAL NO.

USA-U-20904

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

NA

8. FARM OR LEASE NAME

ALKALI POINT

9. WELL NO.

#17-22

10. FIELD AND POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 17, T38S, R24E, SLM

12. COUNTY OR PARISH

SAN JUAN

13. STATE

UTAH

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

5454' KB

19. ELEV. CASINGHEAD

5441'

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other Plug & Abandon

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 1457' FNL, 1615' FWL, SEC. 17

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-037-30820 DATE ISSUED 9-30-82

15. DATE SPUDDED
11-24-82

16. DATE T.D. REACHED
12-16-82

17. DATE COMPL. (Ready to prod.)

20. TOTAL DEPTH, MD & TVD
6330'

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS
6330'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

~~DIL-GR~~, ~~FDC-CMP~~, ~~BHC Sonic~~, Velocity Survey

27. WAS WELL CORED

YES

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	117'	18"	Cement to surface	
8-5/8"	28#, 24#	2120'	12-1/4"	Cement to surface w/1006 sx B.J. Light Wt & 200 sx Class 'B'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6200-6000'	79 sx - Class 'B'
4120-3920'	128 sx - Class 'B'
2200-2000'	89 sx - Class 'B'
90' to surface	25 sx - Class 'B'

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED James S. Andres TITLE Petroleum Engineer DATE Jan. 5, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

Orig + 3 - BLM-SLC, Dur; BLM-Monticello, State, Reg Group, J.I., Files

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 23, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form; see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s), and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Secks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED; CUSHION USED; TIME TOOL OPEN; FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Upper Ismay	5993'	6053'	Limestone
Lower Ismay	6053'	6113'	Shale, Anhydrite
Desert Creek	6210'	6290'	Shale, Anhydrite

CHRONOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRU MEAS. DEPTH
Dakota	Surface		
Chinle	2077'		
DeChelly	3141'		
Upper Hermosa	4976'		
Upper Ismay	5979'		
Lower Ismay	6115'		
Gothic Shale	6186'		
Desert Creek	6224'		
Chimney Rock	6288'		

38. CHRONOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRU MEAS. DEPTH
Dakota	Surface		
Chinle	2077'		
DeChelly	3141'		
Upper Hermosa	4976'		
Upper Ismay	5979'		
Lower Ismay	6115'		
Gothic Shale	6186'		
Desert Creek	6224'		
Chimney Rock	6288'		

39. SUMMARY OF POROUS ZONES:

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Upper Ismay	5993'	6053'	Limestone
Lower Ismay	6053'	6113'	Shale, Anhydrite
Desert Creek	6210'	6290'	Shale, Anhydrite

37. LIST OF ATTACHMENTS

NO.	DESCRIPTION OF ATTACHMENT

36. SIGNATURE

I hereby certify that the foregoing and attached information is true and correct to the best of my knowledge and belief.

 TITLE

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG