

SUPERIOR OIL

May 26, 1981

RECEIVED

MAY 28 1981

DIVISION OF
OIL, GAS & MINING

Mr. Cleon Feight
Division of Oil & Gas
State of Utah
1588 West N. Temple
Salt Lake City, Utah 84116

Re: Black Steer Canyon #12-11
San Juan County, Utah

Dear Mr. Feight:

The proposed well (975' FNL, 333' FWL, Sec. 12, T39S, R24E), does not meet the location guidelines set by the State of Utah.

An exception is being requested in order that the well can be drilled on an existing seismic shotpoint. As with our past wells in the area, we feel it necessary to stay on a known data point due to the limited areal extent of our target formation.

Should there be any questions, please call me.

Very truly yours,

THE SUPERIOR OIL COMPANY

R. P. Crist

R. P. Crist
Exploration Supervisor

RPC:asf

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, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 333' FWL, 975' FNL of Section 12
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 13.6 miles N-NE of Aneth, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 333'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 8,000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5230.5' Ungraded G.L.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
23"	16"	94	100'
14-3/4"	10-3/4"	45.5 K-55	3400'
9-7/8"	7-5/8"	26.4 N-80	7800'
		29.7 S-95	
6-1/2"	5" liner	15 N-80	8500'

5. LEASE DESIGNATION AND SERIAL NO.
 U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 FEDERAL

7. UNIT AGREEMENT NAME
 BALCK STEER CANYON UNIT

8. FARM OR LEASE NAME

9. WELL NO.
 #12411

10. FIELD AND POOL, OR WILDCAT
 WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC. 12, T39S, R25E, SLM

12. COUNTY OR PARISH
 SAN JUAN

13. STATE
 UTAH

16. NO. OF ACRES IN LEASE
 1280'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

19. PROPOSED DEPTH
 8500'

20. ROTARY OR CABLE TOOLS
 Rotary

22. APPROX. DATE WORK WILL START*
 June 30, 1981

1. Drill 23" hole to 100 feet. Set 16" casing to same and cement to surface
2. Drill 14-3/4" hole to 3400 feet w/fresh water. Log w/DIL - Sonic - GR from 3400' feet to surface. Set 10-3/4" casing to 3400 feet and cement to surface w/1200 sx Lite. NU BOP
3. Drill 9-7/8" hole to bottom of Desert Creek formation w/fresh water at approximately 6000 feet. Log w/DIL - Sonic, FDC/CNL/GR from 6000 feet to 3400 feet
4. Change mud system to salt base mud. Drill to 7800 or base of salt section. Set 7-5/8" casing to 7800 feet and cement w/450 sx class "B".
5. Drill to 8500 feet or thru Leadville. Log w/DLL-MSFL, BHC, FDC/CNL/GR and velocity survey.
6. Test for CO₂ productivity. Set 5" liner to 8500 feet and perforate Leadville and treat to produce, based upon DST, cores and log evaluation.
7. If Leadville (CO₂ interval) proves unproductive, plug back and perforate Ismay and/or Desert Creek based on DST cores and log evaluation. Stimulate as necessary.

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 Henry W. Haven TITLE Production Geologist DATE May 28, 1981

(This space for Federal or State office use)
 PERMIT NO. 43-037-30686
 APPROVED BY _____ TITLE _____ DATE 6/23/81

CONDITIONS OF APPROVAL, IF ANY:
 BY: Regulatory Group H, W, C
B Feighan

SUPERIOR OIL

May 26, 1981

Mr. Carl Barrick
U. S. Geological Survey
Oil & Gas Branch
P. O. Box 3524
Durango, Colorado 81301

Re: Surface Use Development Plan
Proposed Location
Black Steer Canyon 12-11
333' FWL, 975' FNL
Section 12, T39S, R25E, SLM
San Juan County, Utah

Dear Mr. Barrick:

The "Surface Use Development Plan" for the proposed Superior Black Steer Canyon #12-11 is as follows:

1. Superior as operator will contact the San Juan Resource Area Office in Monticello, Utah (801-587-2201) at least 48 hours prior to beginning surface construction.
2. McDonald Construction Company, the dirt contractor will be furnished with a copy of the surface use plan and other pertinent BLM stipulations prior to starting any work.
3. On Friday May 22, 1981 Mr. Dick Traister (801-587-2231) with the San Juan County Road Department in Monticello, Utah was contacted and verbal permission was given to improve by blading 1.9 miles of county road that extends from the Pleasant View Road at a point 2-1/2 miles S. W. of Hovenweep North to the turn off to our well location. Blading will be limited so that the road will be not more than 12 to 14 feet wide. A cattle guard will be set into the fence line at the Section line between Section 24 and 12, 0.3 mile from the Pleasant View road.
4. Water for drilling will be obtained from Superior's facilities in the Aneth, Utah area.
5. 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. All employees working in the area will be informed by Superior that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. An Archaeological find located approximately 100' S. W. of the proposed well will be fenced before construction is started.

SUPERIOR OIL

6. The existing county road will be improved as noted in paragraph 3 above. A new road will be constructed from the county road extending 2500' NE to our well location. For the most part this road will follow an existing trail and will be 16 feet wide with two turn outs to allow vehicles to pass. Except in areas where rough terrain necessitates actual cutting and filling new construction will be limited to blading. Surface disturbance and vehicular travel will be limited to the approved location and approved access route, if additional area is needed it will be approved by the BLM in advance. Surfacing material will not be placed on the access road or location without prior BLM approval.
7. The top 6 inches of soil material will be removed from the location and stock piled separate from the trees and brush and on the east side of the location. Top soil along the access road will not be stock piled but will be reserved in place where possible.
8. A trash pit will be constructed near the mud tanks with steep sides and dug at least six feet into solid undisturbed material. The pit will be totally enclosed with a fine mesh wire before the rig moves onto the location.
9. The reserve pit will be constructed so that it will be 3 to 4 feet into solid ground and will not be lined unless unsuitable soil (sand or gravel) is encountered in which case the pit will be lined with commercial bentonite or plastic sufficient to prevent seepage. If while drilling it is necessary to convert to a salt water base mud a separate pit will be dug and will be lined to prevent seepage.
10. Three sides of the reserve pit will be fenced with woven wire topped with 2 strands of barbed wire before drilling starts. The fourth side will be fenced as soon as drilling is completed. The fence will be kept in good repair while the pit is drying.
11. A burning permit will be obtained if trash is to be burned between May 1 and October 31. Permit can be obtained by calling the State Fire Warden, John Baker (801-587-2705).

Rehabilitation

1. Immediately on completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit. Non-burnable debris will be hauled to a local town dump site or in a reserve pit below normal ground level.
2. Superior or their dirt contractor will contact the San Juan Resource Area BLM office in Monticello, Utah (801-587-2201) at least 48 hours prior to starting rehabilitation work that involves earth moving equipment and upon completion of restoration measures.

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3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
4. All disturbed areas will be recontoured to blend as nearly as possible with natural topography.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 6 to 8 inches.
7. Seed will be broadcast at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover. The seed mixture will be:
 - 1 #/acre Indian Ricegrass (*Oryzopsis Hymenoides*)
 - 1 #/acre Fourwing Salt Brush (*Atriplex Canescens*)
 - 1 #/acre Alkali Sacaton (*Sporobolus Airoides*)
 - 1 #/acre Heleria
8. After seeding is complete the stock piled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access onto the location will be blocked to prevent future use, the road from the county road to the location being an existing trail will be left open.
9. Water bars will be constructed as directed by BLM to control erosion.

Production

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Enough top soil will be retained to reclaim the remainder of the location at a future date. The remaining stock pile of top soil will be seeded in place using the prescribed seed mixture.
2. All above ground production facilities will be painted a neutral color. (Tan or Desert Tan).
3. The access road shall be upgraded by ditching and water control.

Respectfully submitted,

SUPERIOR OIL COMPANY



Wm. H. Edwards
Special Projects Superintendent

SUPERIOR OIL

I hereby certify that I have inspected the proposed area; 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 Superior Oil and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

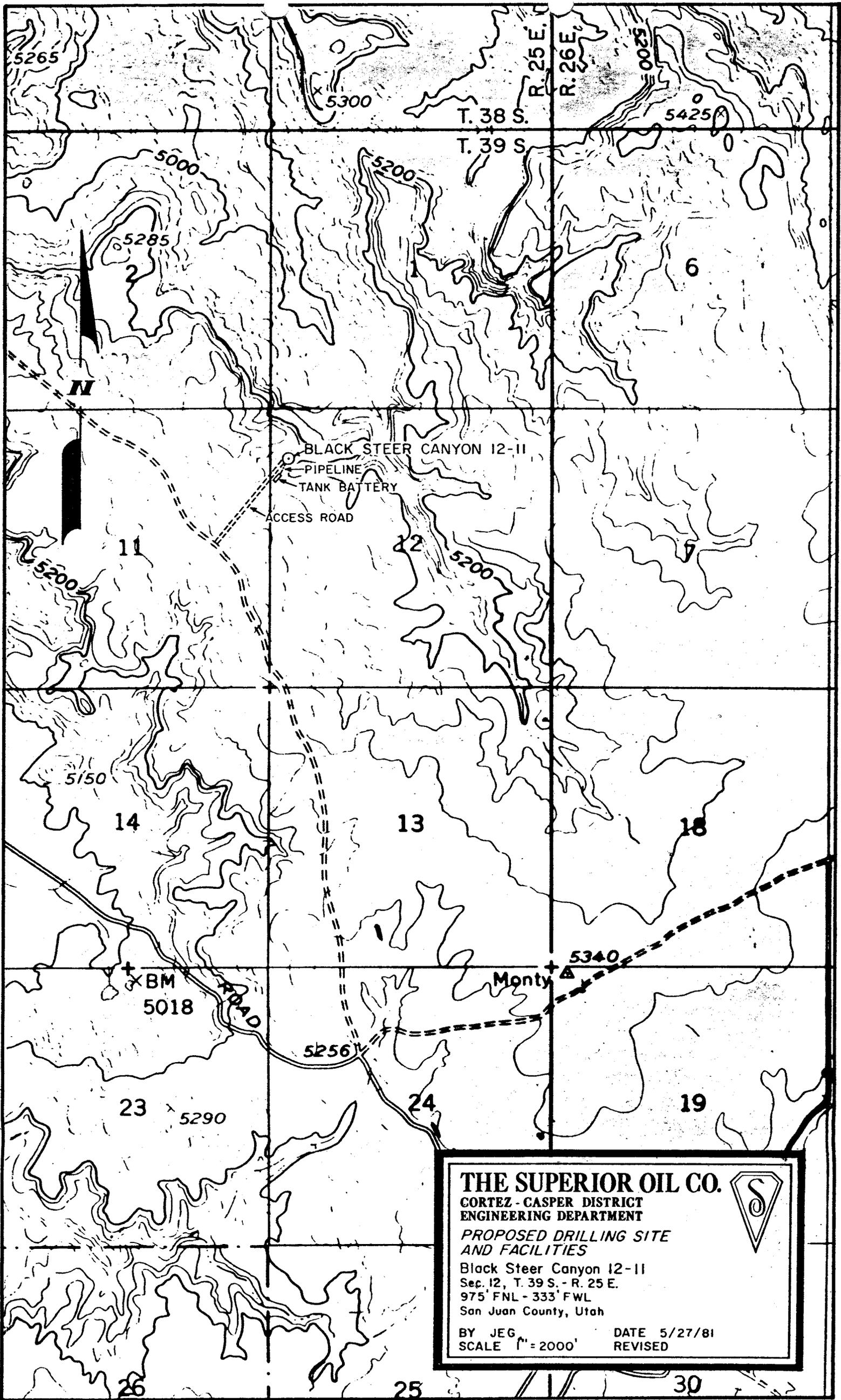
May 26 - 81

Date

Wm. H. Edwards

Wm. H. Edwards
Special Projects Superintendent

WHE/th



THE SUPERIOR OIL CO.

**CORTEZ - CASPER DISTRICT
ENGINEERING DEPARTMENT**

*PROPOSED DRILLING SITE
AND FACILITIES*

Black Steer Canyon 12-II

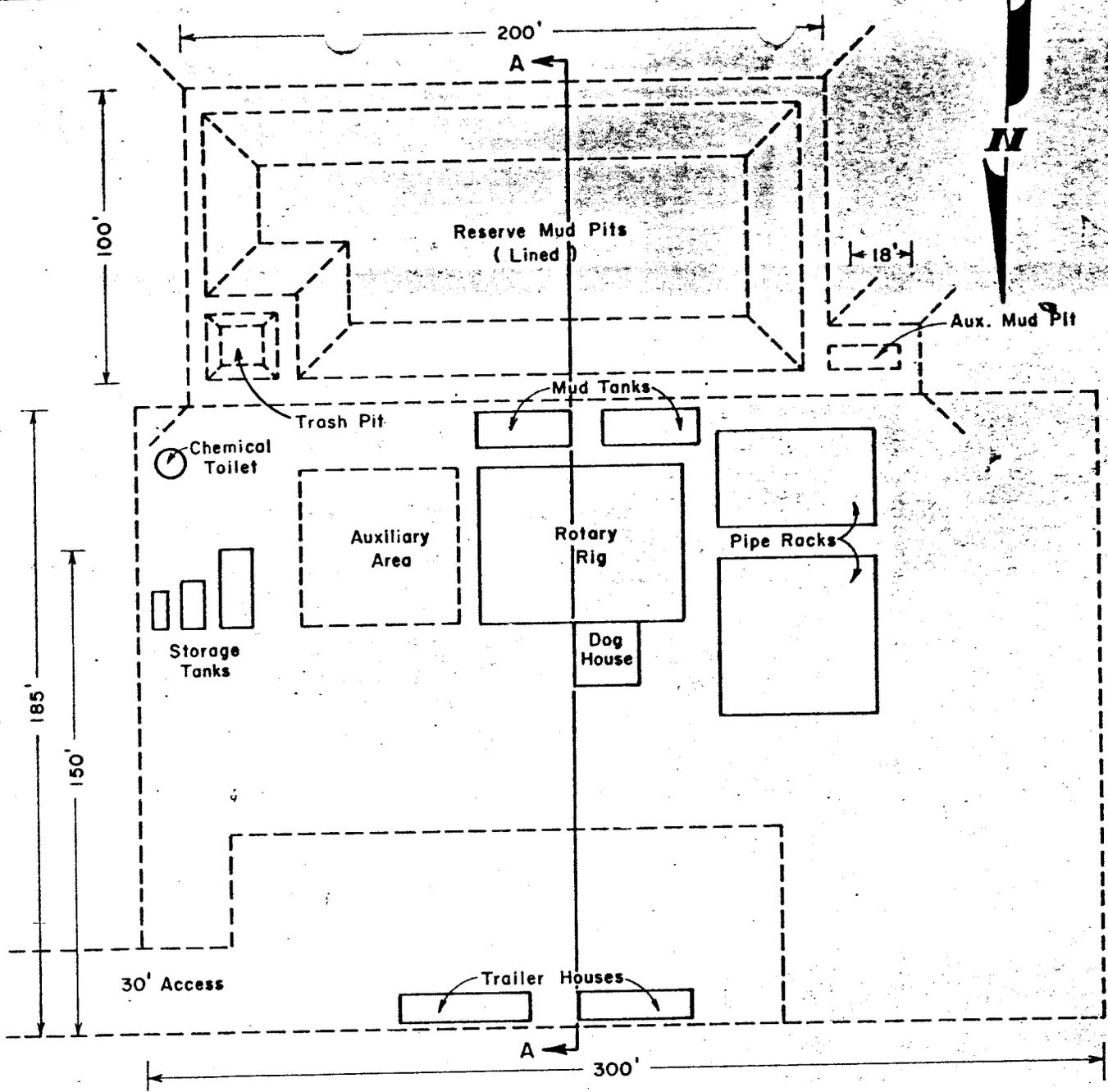
Sec. 12, T. 39 S. - R. 25 E.

**975' FNL - 333' FWL
San Juan County, Utah**

**BY JEG
SCALE 1" = 2000'**

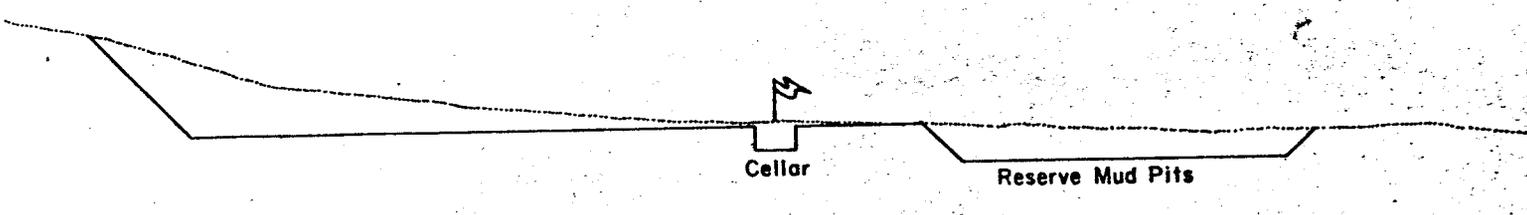
**DATE 5/27/81
REVISED**

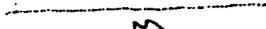




The Drilling Pad will be graded and compacted, and composed of native materials.

PROPOSED WELL SITE
 Black Steer Canyon 12-11
 Original Elev. 5230.5



Original Contour 
 Reference Point 
 Graded Proposal 

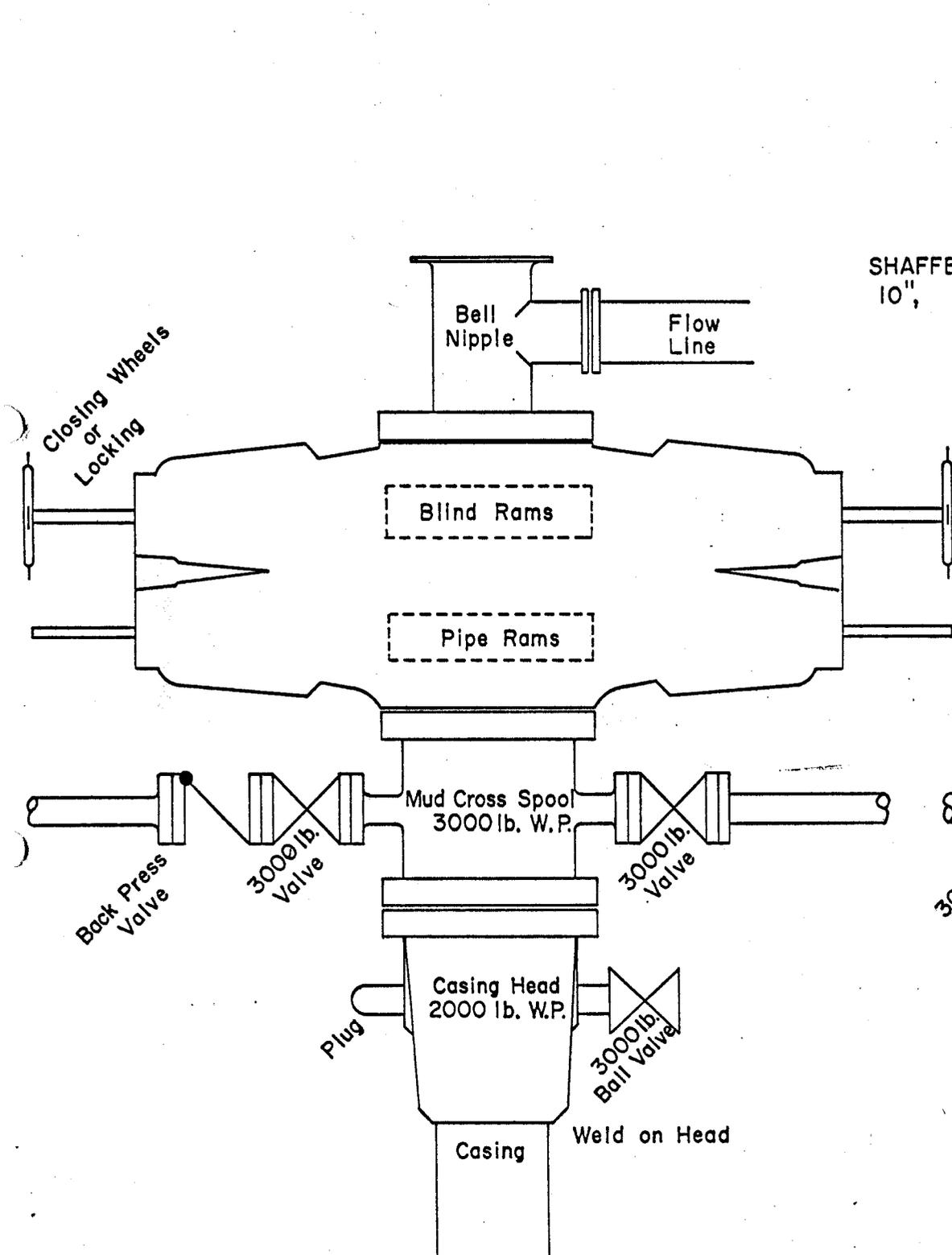
THE SUPERIOR OIL CO.
 CORTEZ-CASPER DISTRICT
 ENGINEERING DEPARTMENT

**RIG LAYOUT & DRILL
 PAD CROSS SECTION**

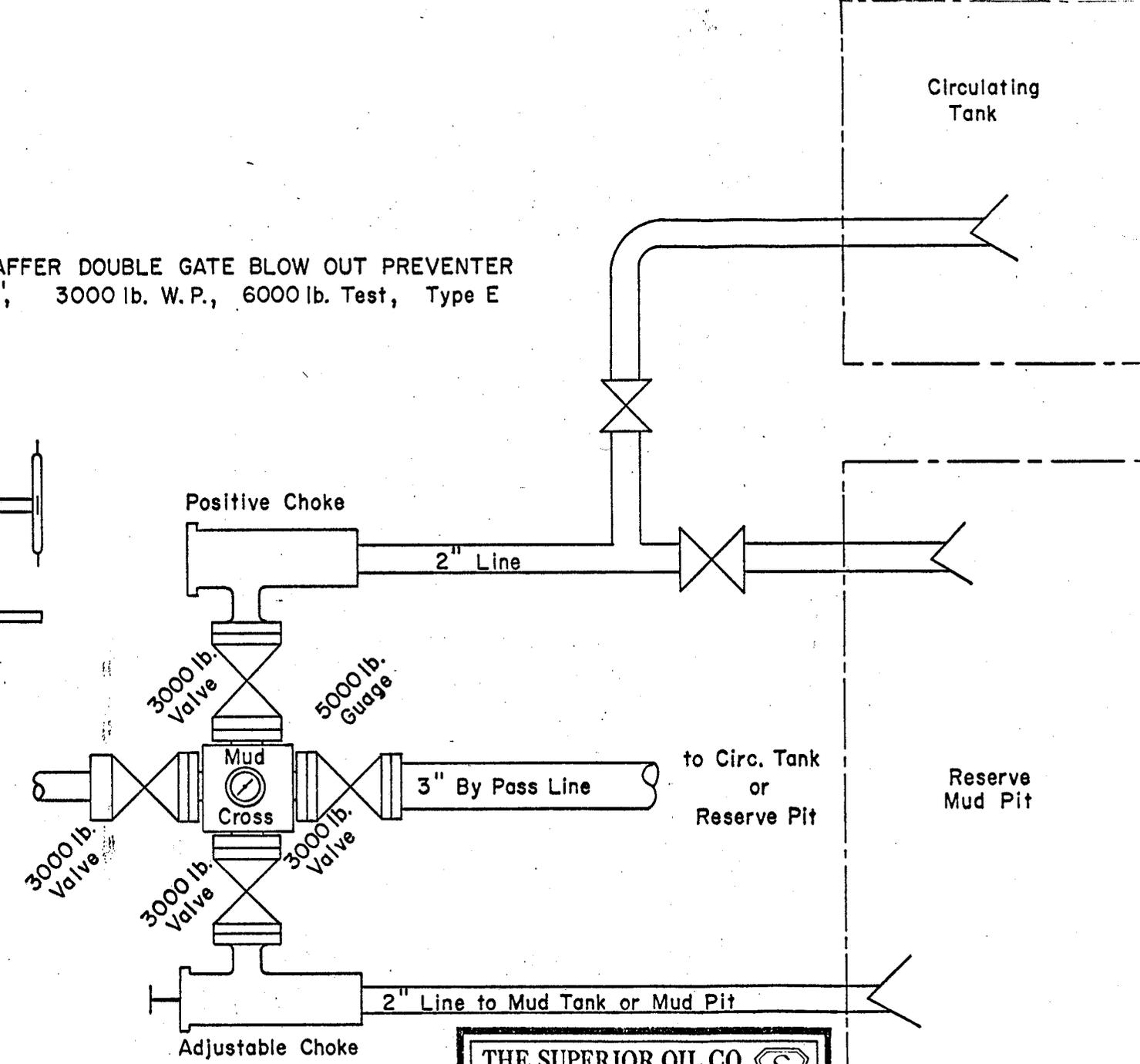
Black Steer Canyon 12-11
 Sec. 12, T. 39 S. - R. 25 E.
 San Juan Co., Utah

BY JEG DATE 5/27/81
 SCALE 1" = 50' REVISED





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**

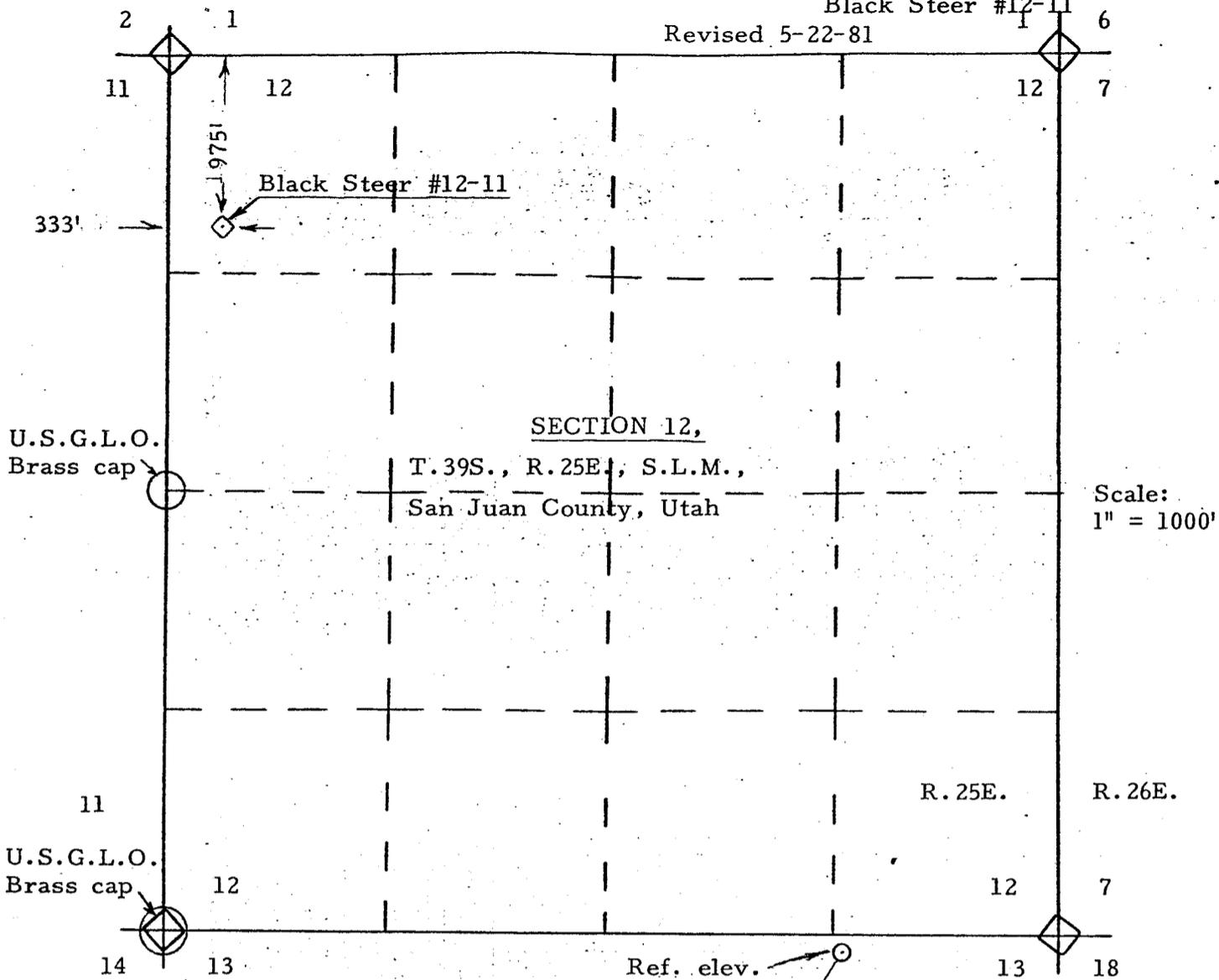
BY JEG
 SCALE NONE

DATE 6/25/79
 REVISED

Black Steer #12-11 located in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 12,
T. 39S., R. 25E., San Juan County, Utah

Superior Oil Company
May 19, 1981
Black Steer #12-11

Revised 5-22-81



Scale:
1" = 1000'

U.S.G.L.O.
Brass cap

SECTION 12,

T. 39S., R. 25E., S.L.M.,
San Juan County, Utah

R. 25E.

R. 26E.

Ref. elev.
5271.3

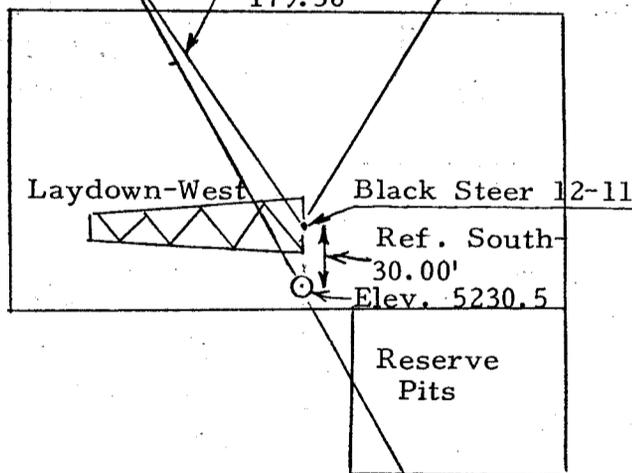
N. 29°56'56"E.
301.71'

Ref. elev.
5260.2

N. 33°53'05"W.
179.58'

Soil: Sandy.
Vegetation: Native brush
and grass with sparse
pinon-juniper

Road 2500' reconstruction;
2 miles to be improved



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

5260
5250
5240
5230
5220

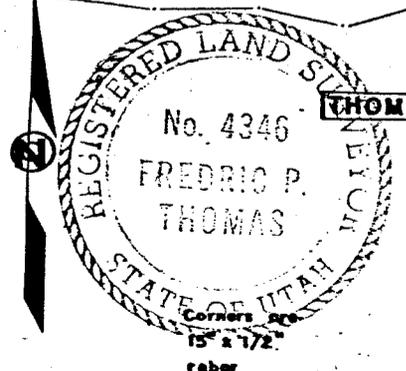
SECTION A-A

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. 5728

Utah Reg. No. 4346



THOMAS Engineering Inc.

215 N. Linden
Cortez, Colorado
565-4496

SUPERIOR OIL

May 29, 1981

RECEIVED
JUN 4 1981

Mr. Carl Barrick
U. S. Geological Survey
Oil & Gas Branch
P. O. Box 3524
Durango, Colorado 81301

DIVISION OF
OIL, GAS & MINING

Re: Surface Development Plan
Proposed Well
Black Steer Canyon #12-11
Section 12, T39S, R25E SLM
San Juan County, Utah

Dear Sir:

The "Surface Use Development Plans" for the referenced well should include:

- a. There are two wells within a 2 mile radius, an abandoned dry hole in the N $\frac{1}{2}$, SE $\frac{1}{4}$, Sec. 10 and Superior's Black Steer Canyon #14-33 NW $\frac{1}{4}$, SE $\frac{1}{4}$ Sec. 14 which is shut in waiting on a pipeline connection. Both wells are in T39S, R25E, SLM.
- b. The lay out of production facilities is attached.
- c. Two small portable trailer houses for Superior and contract drilling supervisors may be on location but no permanent houses or campsite will be established.
- d. Superior's representative is:

C. L. Hill - Area Production Superintendent

W. H. Edwards - Special Project Superintendent

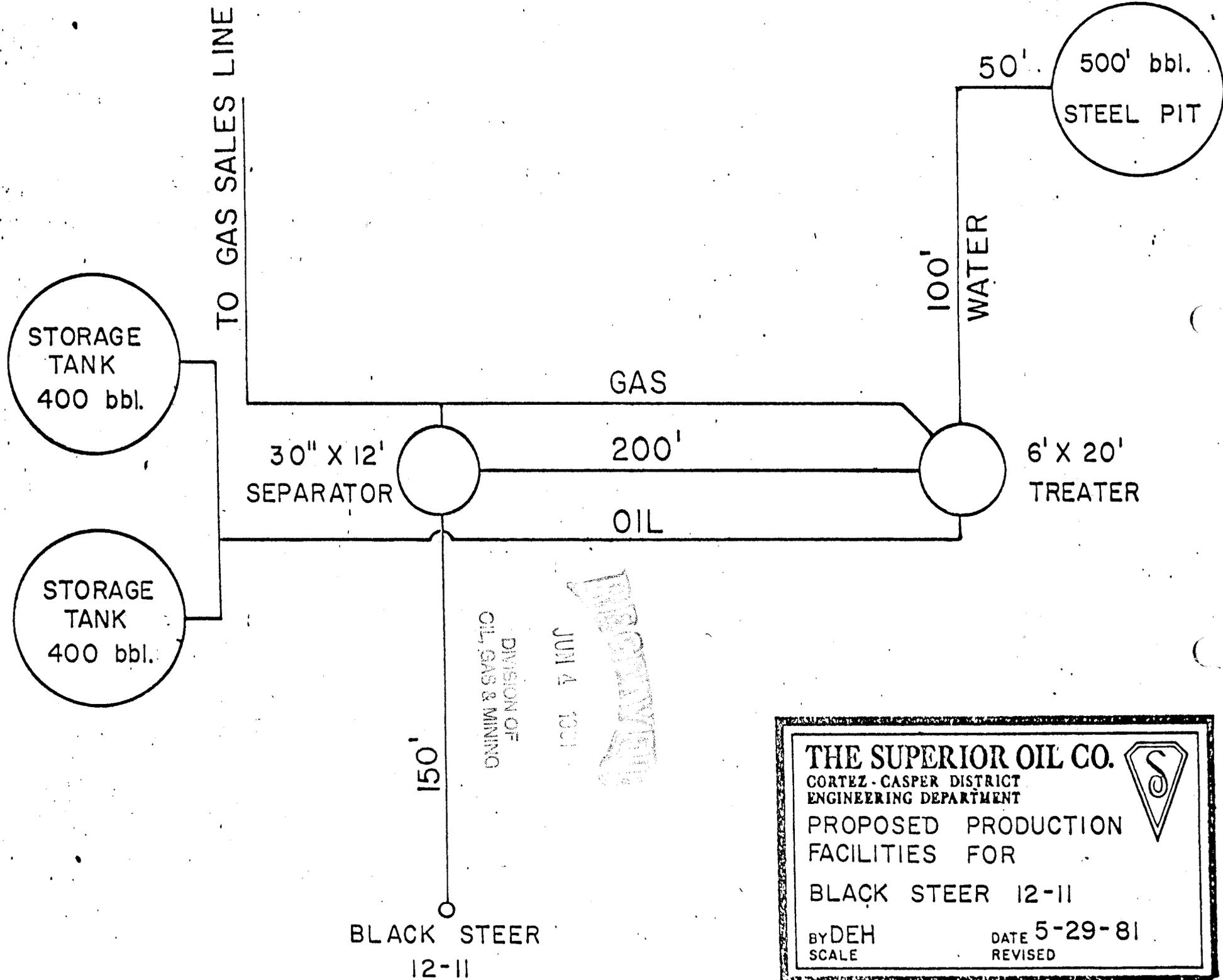
Either can be reached through Superior's telephone: 303-565-3733.



Wm. H. Edwards

WHE/lh

Attach.



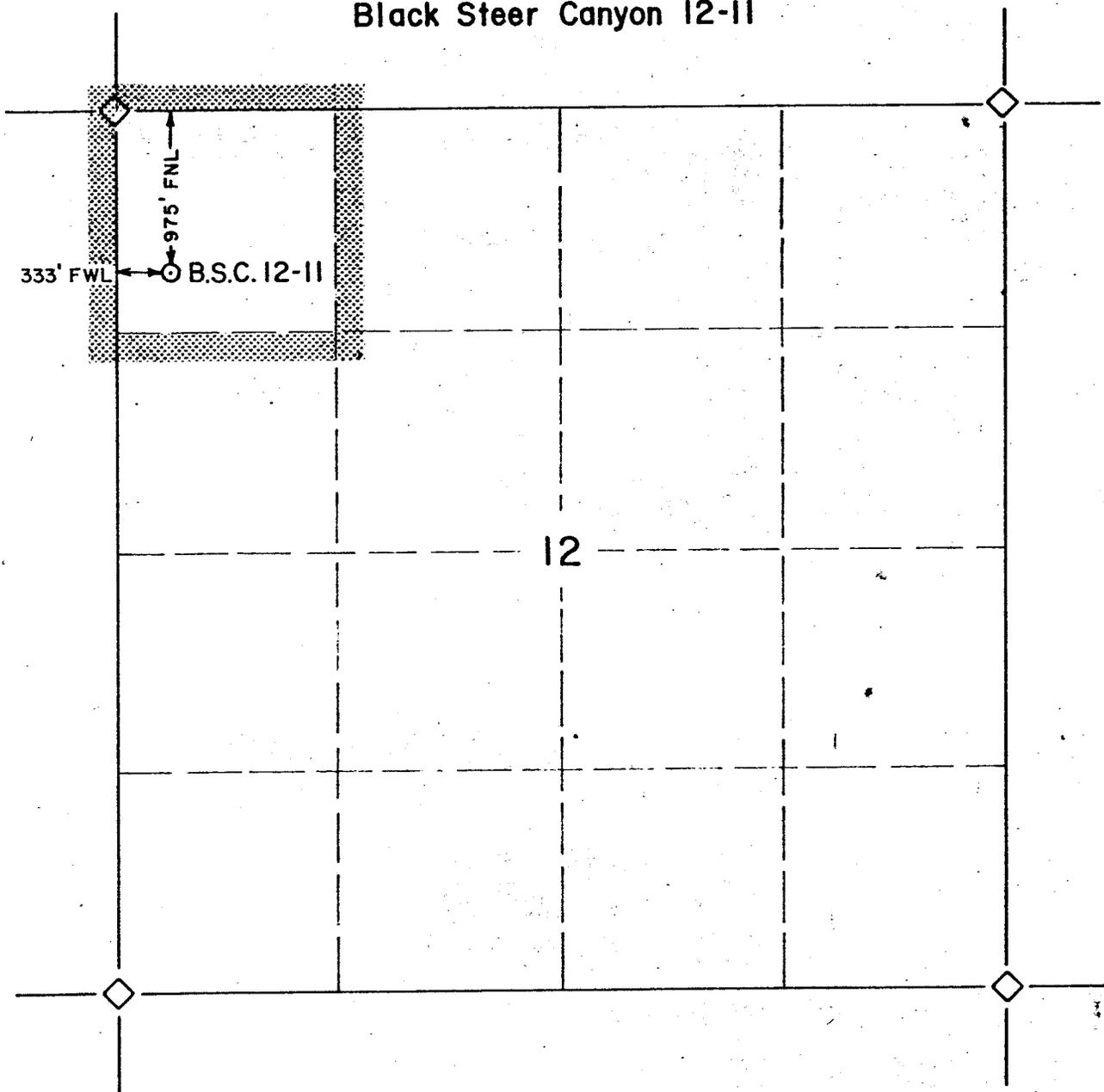
RECEIVED
 JUN 4 1981
 DIVISION OF OIL, GAS & MINING

THE SUPERIOR OIL CO.		
CORTAZ - CASPER DISTRICT ENGINEERING DEPARTMENT		
PROPOSED PRODUCTION FACILITIES FOR		
BLACK STEER 12-II		
BY DEH	DATE 5-29-81	
SCALE	REVISED	

THE SUPERIOR OIL CO.

OPERATOR

Black Steer Canyon 12-11



NW/NW SECTION 12, T. 39 S. - R. 25 E.



JUN 4 1931

DIVISION OF
OIL, GAS & MINING



Charles L. Hill

Scale: 1" = 1000'



- ⊙ Location
- Well
- ⊕ Injector

SUPPLEMENT TO FORM 9-331C

WELL: Black Steer Canyon Unit #12-11

ELEVATION: 5230.5'

SURFACE FORMATION WHERE DRILLING IS TO TAKE PLACE: Dakota

ESTIMATED FORMATION TOPS: (Measured from ground level at 5230.5')

Chinle	1710'
Moenkopi	2820'
DeChelly	2860'
Upper Ismay	5710'
Lower Ismay	5840'
Desert Creek	5910'
Chimney Rock Shale	6000'
Akah (Salt)	6030'
Lower Hermosa	7390'
Molas	7480'
Leadville	7580'
TD	8500'

WATER BEARING FORMATION: Water is expected to be encountered intermittently from 300' to 1600'.

HYDROCARBON BEARING FORMATION: Oil & gas are expected to be encountered intermittently from 5710' to 6000'.

CO₂ BEARING FORMATION: Carbon Dioxide is expected to be encountered from 7580' to TD of 8500'.

MUD PROGRAM:

- Surface to 2600' - fresh water
- 2600' to 6000' - Lignosulfonate or similar mud system. Water loss controlled to 15 cc/30m or less, viscosity 38-40 sec. API and weighted to 9.6-10.0 ppg w/Barite.
- 6000' to 7390' - Saturated saltwater or similar mud system Water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. APE and weighted to 12.9
- 7390' to 8500' TD - Saturated saltwater or similar mud system. water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. API and weighted to 10.2-10.5 ppg.

CASING PROGRAM: Conductor - 16", 94#/ft, H-40 ST&C new casing set to 100'.
 Surface - 10-3/4", 45.5#/ft, K-55 ST&C new casing set at 3400'.
 Production - 7-5/8", 26.4#/ft and 29.7#/ft, N-80 and S-95 respectively, ST&C new casing set at 7800'.
 Liner - 5", 15#/ft, N-80, ST&C, new set from 7800' to 8500'.

CEMENT PROGRAM: Conductor - Cement to surface with 125 sx Class 'B' + 4% gel + .2% CaCl.
 Surface - Cement to surface with 950 sx Lite s/10#/sk Gilsonite followed by 250 sx Class 'B' w/2% KCL and 0.25#/sk Celloflake.
 Production - 600 sx Class 'B' w/5#/sk salt and .75% dispersant.
 Liner - 125 sx Class 'B' w/5#/sk salt, .75% dispersant and .25#/sk Celloflake.

LOGGING PROGRAM: 1st Set
 DIL-Sonic-GR from 3400' to surface.
2nd Set
 DIL-Sonic, FDC/CNL-GR Velocity Survey from 6000' to 3400'.
3rd Set
 DLL-MSFL, BHC, FDC/CNL/GR, Velocity Survey from 8500' to 7800'

DRILL STEM TESTS: 1st Set
 Thru Ismay and Desert Creek Interval.
2nd Set
 Thru Leadville.

CORING: Approximately 120' of Ismay and Desert Creek interval.

PRESSURE CONTROL: 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.

START DATE: June 30, 1981 for 45 days.

** FILE NOTATIONS **

DATE: June 11, 1981
OPERATOR: Superior Oil Company
WELL NO: Black Steer Canyon Unit # 12-11
Location: Sec. 12 T. 39S R. 25E County: San Juan

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

API Number 43-037-~~22222~~ 30678

CHECKED BY:

Petroleum Engineer: _____

Director: OK CBZ

Administrative Aide: ok on boundaries

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 Fed Plotted on Map

Approval Letter Written

Hot Line P.I.

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

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. Drawer G, Cortez, CO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
333' FWL, 975' FNL of Section 12
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
13.6 miles N-NE of Aneth, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 333'

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 8,000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5230.5' Ungraded G.L.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
23"	16"	94	100'	To surface 125 sx Class B
14-3/4"	10-3/4"	45.5 K-55	3400'	To surface Lite 1200 sx
9-7/8"	7-5/8"	26.4 N-80 29.7 S-95	7800'	600 sx Class B
6-1/2"	5' liner	15 N-80	8500'	125 sx Class B

1. Drill 23" hole to 100 feet. Set 16" casing to same and cement to surface.
2. Drill 14-3/4" hole to 3400 feet w/fresh water. Log w/DIL - Sonic - GR from 3400' feet to surface. Set 10-3/4" casing to 3400 feet and cement to surface w/1200 sx Lite. NU BOP
3. Drill 9-7/8" hole to bottom of Desert Creek formation w/fresh water at approximately 6000 feet. Log w/DIL - Sonic, FDC/CNL/GR from 6000 feet to 3400 feet.
4. Change mud system to salt base mud. Drill to 7800 or base of salt section. Set 7-5/8" casing to 7800 feet and cement w/450 sx class "B".
5. Drill to 8500 feet or thru Leadville. Log w/DLL-MSFL, BHC, FDC/CNL/GR and velocity survey.
6. Test for CO₂ productivity. Set 5" liner to 8500 feet and perforate Leadville and treat to produce, based upon DST, cores and log evaluation.
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24. SIGNED Henry W. Haven TITLE Production Geologist DATE May 28, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY J. Santz Y. Ellis TITLE Dist. Supervisor DATE 7/8/81

CONDITIONS OF APPROVAL, IF ANY:

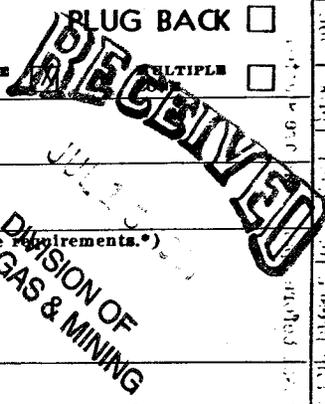
H/fd Orig + 3 - USGS, BLM - 2, State - 2, Central File, Regulatory Group H, W, C

STIPULATIONS ATTACHED

APPROVED FOR A PERIOD NOT TO EXCEED 1 YEAR

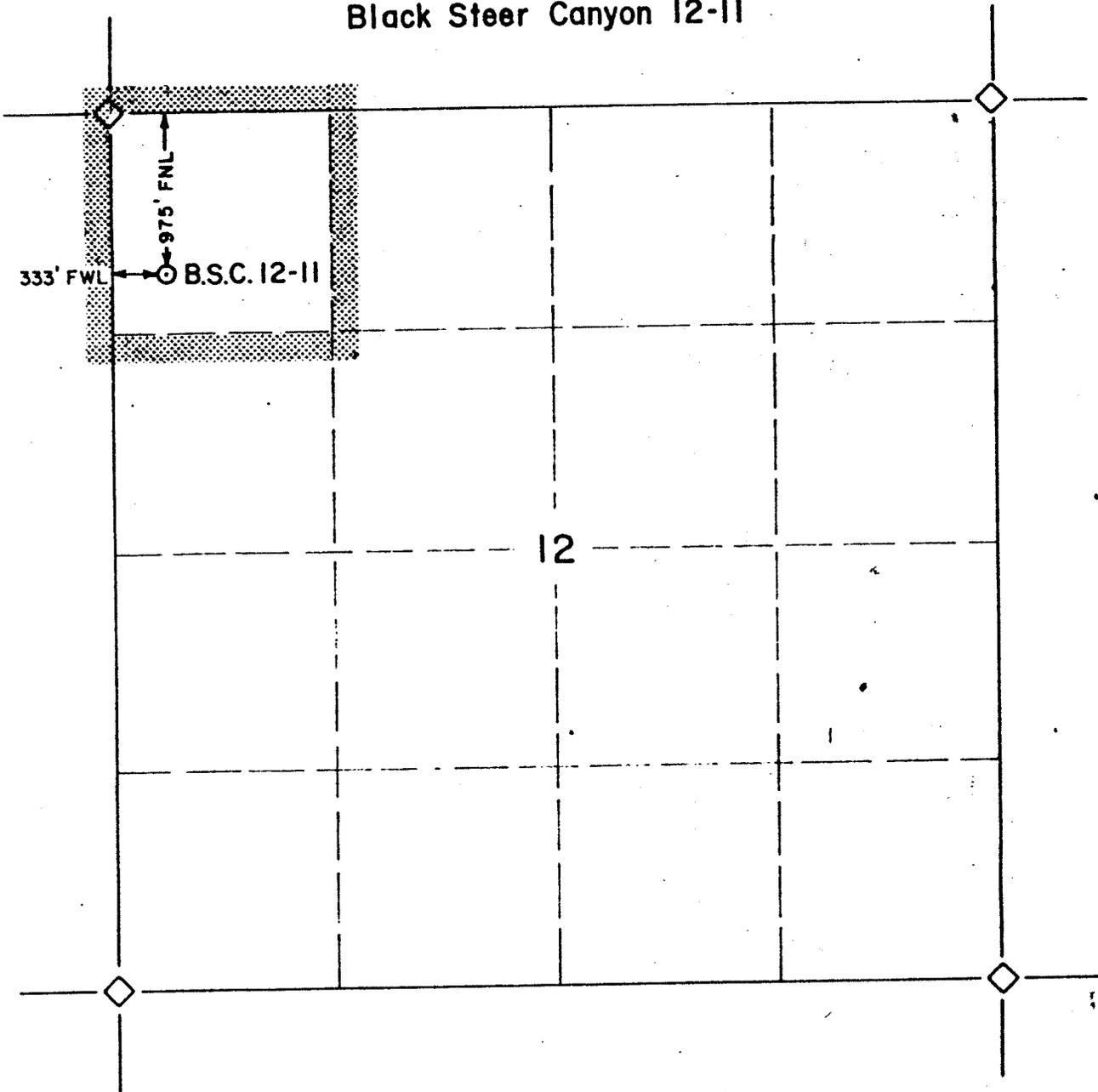
Utah Division of Oil, Gas, & Mining
OPERATOR'S COPY

APPROVED TO BE DRILLED WHILE WORKING ON THIS PERMIT



THE SUPERIOR OIL CO.
OPERATOR

Black Steer Canyon 12-11



NW/NW SECTION 12, T. 39 S. - R. 25 E.



Charles L. Hill

- Location
- Well
- ⊕ Injector

Scale: 1" = 1000'



SUPPLEMENT TO FORM 9-331C

WELL: Black Steer Canyon Unit #12-11

ELEVATION: 5230.5'

SURFACE FORMATION WHERE DRILLING IS TO TAKE PLACE: Dakota

ESTIMATED FORMATION TOPS: (Measured from ground level at 5230.5')

Chinle	1710'
Moenkopi	2820'
DeChelly	2860'
Upper Ismay	5710'
Lower Ismay	5840'
Desert Creek	5910'
Chimney Rock Shale	6000'
Akah (Salt)	6030'
Lower Hermosa	7390'
Molas	7480'
Leadville	7580'
TD	8500'

WATER BEARING FORMATION: Water is expected to be encountered intermittently from 300' to 1600'.

HYDROCARBON BEARING FORMATION: Oil & gas are expected to be encountered intermittently from 5710' to 6000'.

CO₂ BEARING FORMATION: Carbon Dioxide is expected to be encountered from 7580' to TD of 8500'.

MUD PROGRAM:

- Surface to 2600' - fresh water
- 2600' to 6000' - Lignosulfonate or similar mud system. Water loss controlled to 15 cc/30m or less, viscosity 38-40 sec. API and weighted to 9.6-10.0 ppg w/Barite.
- 6000' to 7390' - Saturated saltwater or similar mud system. Water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. APE and weighted to 12.9
- 7390' to 8500' TD - Saturated saltwater or similar mud system. water loss controlled to 12-20 cc/30m, viscosity 40-45 sec. API and weighted to 10.2-10.5 ppg.

CASING PROGRAM:

Conductor - 16", 94#/ft, H-40 ST&C new casing set to 100'.

Surface - 10-3/4", 45.5#/ft, K-55 ST&C new casing set at 3400'.

Production - 7-5/8", 26.4#/ft and 29.7#/ft, N-80 and S-95 respectively, ST&C new casing set at 7800'.

Liner - 5", 15#/ft, N-80, ST&C, new set from 7800' to 8500'.

CEMENT PROGRAM:

Conductor - Cement to surface with 125 sx Class 'B' + 4% gel + .2% CaCl.

Surface - Cement to surface with 950 sx Lite s/10#/sk Gilsonite followed by 250 sx Class 'B' w/2% KCL and 0.25#/sk Celloflake.

Production - 600 sx Class 'B' w/5#/sk salt and .75% dispersant.

Liner - 125 sx Class 'B' w/5#/sk salt, .75% dispersant and .25#/sk Celloflake.

LOGGING PROGRAM:

1st Set

DIL-Sonic-GR from 3400' to surface.

2nd Set

DIL-Sonic, FDC/CNL-GR Velocity Survey from 6000' to 3400'.

3rd Set

DLL-MSFL, BHC, FDC/CNL/GR, Velocity Survey from 8500' to 7800'

DRILL STEM TESTS:

1st Set

Thru Ismay and Desert Creek Interval.

2nd Set

Thru Leadville.

CORING:

Approximately 120' of Ismay and Desert Creek interval.

PRESSURE CONTROL:

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.

START DATE:

June 30, 1981 for 45 days.

June 24, 1981

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

RE: Well No. Black Steer Canyon Unit #12-11
Sec. 12, T. 39S, R. 25E,
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 Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-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 43-037-30678

Sincerely,

DIVISION OF OIL, GAS, AND MINING

[Handwritten Signature]
Cleon B. Feight,
Director

CBF/db
CC: USGS

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 CO₂

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

3. ADDRESS OF OPERATOR
P.O. DRAWER 'G', CORTEZ, COLO. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 333' FWL, 975' FNL of SEC. 12
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

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 checked="" 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 type="checkbox"/>
(other)			

5. LEASE
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD OR WILDCAT NAME
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 12, T39S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037-30678

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5230.5 GL. UNGRADED

(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.)*

- Spudded 3:00 AM 7-25-81 : 16", 65#, H40, ST&C. Conductor csg. @ 67'.
- 8-5-81: Drilled 14 3/4" hole to 3323'. Ran 79 jts. 10-3/4", 40.5# K-55, ST&C w/ D.L. float shoe & collar to 3323'. Cemented w/ B.J. Huges w/ 1840 sxs. of 65/35 Pozmix w/ 6% gel, 10#/sx. gilsonite. Slurry Wt. 12.8#, followed w/ 400 sxs. class 'B' cement w/ 2% CaCl. slurry wt. 15.8#. Pump press. 1200 psi @ 7.5 BPM rate. Bumped plug w/ fresh wtr. @ 1800 psi. Circ. good cement. Annulus stayed full.

(CON'T ON BACK)

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

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

SIGNED Henry W. Haven TITLE PROD. GEOLOGIST DATE 8-13-81
H. W. HAVEN

(This space for Federal or State office use)

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



AUG 30 1981

Orig + 3 - USGS, BLM - 2, State - 2, Central File, Regulatory Group, H,W,C,

*See Instructions on Reverse Side

DIVISION OF
OIL, GAS & MINING

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.

Cut off 16" csg. & welded 1/2" plate on top to
10 3/4" csg. Cut off 10-3/4" csg. Welded on 10"
x 900, 2000 # W.P. slip on. N.U. 10" x 900'
5000# W.P. Shaffer LWS BOP. Tested BOP to 2000#.
Held OK. D.A.

3. 8-13-81: Drilled 9-7/8" hole to 6016'. Ran BHC-Sonic, GR-DLL, GR-FDC-CNL from 6016' to 3323'. D.A.

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 CO₂ Well

2. NAME OF OPERATOR
SUPERIOR OIL

3. ADDRESS OF OPERATOR
P.O. Drawer 'G' Cortez, CO 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 333; FWL, 975' FNL of Sec. 12
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD OR WILDCAT NAME
BLACK STEER CANYON

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12, T39S, R25E, SLM

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO
43-037-30678

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5230.5' Ungraded GL

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 checked="" 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 type="checkbox"/>
(other)		

(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.)*

1. Run GR-CBL-VDL-CCL from 7836' to 7000'. Sgz if necessary.
2. Perforate 7650'-7754' O/A w/3-1/8" csg. gun.
3. Acidize perfs w/5000 gal 28% HCL + 600 SCF/BBL N₂

RECEIVED

SEP 09 1981

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED Greg MERTON TITLE Production Engineer DATE August 31, 1981

(This space for Federal or State office use)

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

Orig + 5 - USGS, 2 - BLM, State of Utah, J.F. Davis - Denver, Reg. Group
Central Files - H,W, C. Burnett

*See instructions on Reverse Side

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 CO2

2. NAME OF OPERATOR
Superior Oil Company

3. ADDRESS OF OPERATOR
P.O. Drawer 'G', Cortez, Colo. 81321

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 333' FWL, 975' FNL of Sec. 12
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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 type="checkbox"/>

(other) Subsequent Report-Completion in progress

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.)*

1. 8-23-81: Drilled 9-7/8" hole to 7560'. Ran GR-FDC-CNL, DLL from 7560' to 5600'. Ran 196 jts., 7-5/8", 33.70#, S-95, LT&C, w/float shoe and collar to 7560'. Pumped 19 bbls. of mud sweep ahead of 850 sx, class 'B' cement, 18#/sk. of salt, wt. 15.9#, Max. P.P. 2500# at 6.5 BPM rate. Bumped plug at 3000# w/fresh wtr. Float held. Had full returns. Installed National 10" 3000# x 6" 5000# DP-7 tubing spool. Tested to 3000#. OK. NU B.O.P. tested to 3000#, O.K. D.A.

(Continued on back)

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

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

SIGNED Henny W. Haven TITLE Prod. Geologist DATE Sept. 9, 1981
H. W. Haven

(This space for Federal or State office use)

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

Orig + 3 (Durango), - USGS, BLM - 2, State - 2, Central Files, Regulatory Group.
Cmt Bond Log - 2, State - 1

*See Instructions on Reverse Side

5. LEASE
2427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Federal

7. UNIT AGREEMENT NAME
Black Steer Canyon

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12, T39S, R25E, S1M

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

14. API NO.
43-037-30678

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5230, 5' GL ungraded

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

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.

2. 8-28-81: Drilled 6-1/2" hole to 7838'. Ran DIL, GR-FDC-CNL, BHC-Sonic from 7838' to 7560'. Ran 5" 18# liner from 7838' to 7248' and cemented 100-sx class 'B' cement. Drilled out cement in 5" liner to 7836'.
Ran Cement Bond Log. Top of cement at 7230'.

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 CO₂ Well

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: 333' FWL, 975' FNL of Sec. 12
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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 checked="" 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 type="checkbox"/>
(other)			

5. SE 12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD OR WILDCAT NAME
BLACK STEER CANYON

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12, T39S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

14. API NO.
43-037- 30678

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5230.5' Ungraded GL

(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.)*

9-2-81: Ran guage ring down 7 5/8" csg. to 7248'.

9-3-81: Ran guage ring down 5" liner to PBSD (7836'). Ran GR-VDL-CBL-CCL from 7836' to 7000'. TOC in 7 5/8" csg. @ 7230'. Liner is cemented from 7838'-7248'. Perforated w/ 3 1/8" select fire csg. gun @ 7650', 51', 52', 87', 88', 89', 95', 99', 7701', 06', 09', 13', 14', 15', 16', 17', 18', 22', 25', 26', 33', 37', 51' & 54'.

9-4-81: Acidized perfs w/ 28% MSR-100 + 4 GPT inhibitor + 4 GPT NE agent + 600 SCF/BBL N₂ + 40 7/8" ball sealers. Avg. rate: 4 BPM ISIP: 4000 psig

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

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

SIGNED T. G. MERRION TITLE Production Eng. DATE Sept. 10, 81

(This space for Federal or State office use)

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

Orig + 5 - USGS, 2 - BLM, State of Utah, J.F. Davis - Denver, Reg. Group
Central Files - H,W, C. C. Burnett

*See Instructions on Reverse Side

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 CO₂ WELL

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: 333' FWL, 975' FNL of Sec. 12
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

5. LEASE
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD OR WILDCAT NAME
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 12, T39S, R25E

12. COUNTY OR PARISH | 13. STATE
SAN JUAN | UTAH

14. API NO.
43-037-30678

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5230.5' Ungraded G. L.

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) Temporary abandonment

SUBSEQUENT REPORTS

RECEIVED

EST 05 1981

(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.)*

1. Spot cement plug from PBTD (7836') to 7500'±.
2. Circulate casing full corrosion inhibited fresh water.
3. Secure wellhead.

DIB/lh Orig + 3 - USGS, BLM - 2, State - 2, Regulatory Group - Woodlands, Central Files H,C,
Denver Expl. Group

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

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

SIGNED *Dwaine L. Blument* TITLE SR. PROD. ENGR DATE 9/30/81

(This space for Federal or State office use)

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

**APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING**

DATE: 12-1-81
BY: *M. J. Minder*

*See Instructions on Reverse

FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number BLACK STEER CANYON

Operator SUPERIOR OIL COMPANY Address P.O. DRAWER 'G', CORTEZ COLORADO 81321

Contractor BAYLESS DRILLING COMPANY Address 216 S. HILL FARMINGTON, NEW MEX. 87401

Location NW ¼ NW ¼ Sec. 12 T: 39S R. 25E County SAN JUAN CO., UTAH

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	2775	2800	6" STREAM	SALTY
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops CHINLE @ 1720⁺

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.



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

January 15, 1982

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

Re: Well No. Black Steer Canyon Unit #12-11
Sec. 12, T. 39S, R. 25E
San Juan County, Utah
(October 1981- December 1981)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

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.

4

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 _____

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 333' FWL, 975' FNL of Sec. 12
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO.
43-037-30678

15. DATE SPUNDED 7-24-81
16. DATE T.D. REACHED 8-27-81
17. DATE COMPL. (Ready to prod.) NA

20. TOTAL DEPTH, MD & TVD 7838'
21. PLUG, BACK T.D., MD & TVD 7264'

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
GR-FDC-CNL, DIL, BHC-Sonic, GR-VDL-CBL-CCL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
16"	65#	67'	18-3/4"	to surface	NA
10-3/4"	40.5#	3323'	14-3/4"	to surface	NA
7-5/8"	29.7 & 33.7#	7560'	9-7/8"	600 sx	NA

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	7248'	7838'	100 sx	NA

31. PERFORATION RECORD (Interval, size and number)

3-1/8" casing gun at 7650', 51', 52', 87', 88', 89', 95', 99', 7701', .06', 09', 13', 14', 15', 16', 17', 18', 22', 25', 26', 33', 37', 51', +54'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7650-7754'	5000 gal 28% HCL & 600 SCF/BBL of N ₂
7264'	Tag top of 20 sx cmt plug

33.* PRODUCTION

DATE FIRST PRODUCTION NA
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) NA

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 D. I. Blanscet TITLE SR. PRODUCTION ENGINEER DATE 1-19-82

5. LEASE DESIGNATION AND SERIAL NO.
U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL

7. UNIT AGREEMENT NAME
BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.
#12-11

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 12, T39S, R25E, SLM

12. COUNTY OR PARISH
SAN JUAN

13. STATE
UTAH

18. ELEVATIONS (DF, R., ETC.)*
RB - 5245'

19. ELEV. CASINGHEAD
5230.5'

23. INTERMEDIATE DRILLING TOOLS
ALL

25. WAS DIRECTIONAL SURVEY MADE
NO

27. WAS WELL CORED
NO

RECEIVED

DIVISION OF OIL, GAS & MINING
JAN 25 1982

USGS - 5 + Orig, State - 2, BLM - 2, Reg. Group, Files - H, D, C

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

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 33, 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 35.

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) and 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: "Sacks 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 instructions on item 24 above.)

RECEIVED

SEP 25 1964

37. 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Leadville	7505'	7802'	Carbonate (swabbed and jetted salt water with some CO ₂)	Organ Rock	3200'	3200'
				Rico	3697'	3697'
				Hermosa	4634'	4634'
				U. Ismay	5772'	5772'
				L. Ismay	5884'	5884'
				Gothic	5926'	5926'
				Desert Creek	5941'	5941'
				Chimney Rock	6022'	6022'
				Salt	6070'	6070'
				Molas	7307'	7307'
				Leadville	7505'	7505'

NEW WORK
 RE-LOGGING
 RE-TESTING
 RE-DRILLING
 RE-CEMENTING
 RE-GRADING
 RE-PAVING
 RE-CONCRETE
 RE-ROOFING
 RE-PLUMBING
 RE-ELECTRICAL
 RE-PAINTING
 RE-OTHER



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

March 16, 1983

2nd NOTICE

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

Re: Well No. Blck Str Cyn Unt # 12-11
Sec. 12, T. 39S, R. 25E.
San Juan County, Utah
(January 1982- February 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

**You are in violation with the above rule. If you wish to continue developing business in the State of Utah, compliance with pertinent rules and regulations is essential. Further delay in your attention to this matter may result in punitive action. Please submit the required information as stated above within fifteen (15) days.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf
Enclosure

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

an equal opportunity employer • please recycle paper

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS, AND MINING

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>(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.)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-12427</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME FEDERAL</p> <p>7. UNIT AGREEMENT NAME BLACK STEER CANYON</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. #12-11</p> <p>10. FIELD AND POOL, OR WILDCAT WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 12, T39S, R25E</p> <p>12. COUNTY OR PARISH SAN JUAN</p> <p>13. STATE UTAH</p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER CO₂</p> <p>2. NAME OF OPERATOR SUPERIOR OIL COMPANY</p> <p>3. ADDRESS OF OPERATOR P.O. DRAWER "G", CORTEZ, COLORADO 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 333' FWL, 975' FNL of Section 12</p>	<p>14. PERMIT NO.</p> <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5230.5' GL ungraded</p>	

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 type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recombination 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.)*

The subject well has been temporarily abandoned since 9-30-81 pending further evaluation as a possible water disposal well. It is requested that this well remain temporarily abandoned thru 9-30-83.

RECEIVED

APR 04 1983

DIVISION OF
OIL, GAS & MINING

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

SIGNED T. Greg Merrion TITLE Production Engineer DATE 3-23-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

IN TRIPLICATE
Instructions on
reverse side

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER CO₂</p> <p>2. NAME OF OPERATOR SUPERIOR OIL COMPANY</p> <p>3. ADDRESS OF OPERATOR P.O. DRAWER "G", CORTEZ, COLORADO 81321</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 333' FWL, 975' FNL of Section 12</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. U-12427</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME FEDERAL</p> <p>7. UNIT AGREEMENT NAME BLACK STEER CANYON</p> <p>8. FARM OR LEASE NAME</p> <p>9. WELL NO. #12-11</p> <p>10. FIELD AND POOL, OR WILDCAT WILDCAT</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SECTION 12, T39S, R25E</p> <p>12. COUNTY OR PARISH 13. STATE SAN JUAN UTAH</p>
<p>14. PERMIT NO.</p>	<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5230.5' GL ungraded</p>	

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 type="checkbox"/>	(Other) <input 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.)*

The subject well has been temporarily abandoned since 9-30-81 pending further evaluation as a possible water disposal well. It is requested that this well remain temporarily abandoned thru 9-30-83.

Please advise this office of your intentions regarding this well.

RECEIVED
APR 04 1983

Claudia Jones
Div. Oil Gas & Mining
4241 State Office Bldg.
Salt Lake City, Ut. 84114

DIVISION OF
GAS & MINING

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

SIGNED T. Greg Herrington TITLE Production Engineer DATE 3-23-83

(This space for Federal or State office use)

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

SUPERIOR OIL

Andy
Conie
OCT 17 1983

**DIVISION OF
OIL, GAS & MINING**

October 13, 1983

State of Utah
Department of Natural Resources
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

RE: Distribution of Oil & Gas
Lease Sale Notices

Gentlemen:

Please consider this letter as our official notice of address change, effective November 1, 1983 and our request that Superior Oil be maintained on your mailing list to receive notices regarding any forthcoming sales of oil and gas leases on lands administered by you.

We will appreciate your sending notices to the following address:

The Superior Oil Company
600 17th Street
Suite 1500
Denver, Colorado 80202
ATTN: Land Department

Thank you very much.

Very truly yours,

THE SUPERIOR OIL COMPANY

Jed W. Lemmons/cbb

Jed W. Lemmons
Division Land Manager

JWL/cbb

The Superior Oil Company

Denver Division

1860 Lincoln St., Suite 800,
Lincoln Tower Building, Denver, CO 80295
(303) 863-2600, Twx: 910 931 2539



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

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

January 3, 1984

Superior Oil Company
600 17th St. #1500
Denver, Colorado 80202

RE: Black Steer Cyn. #12-11
API #43-037-30678
975' FNL, 333' FWL NW/NW
Sec. 12, T. 39S, R. 25E
San Juan County, Utah
(April-December 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones
Well Records Specialist

CJ/cj
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OIL WELL GAS WELL OTHER

MAY 21 1984

5. LEASE DESIGNATION AND SERIAL NO.
U-12427
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
FEDERAL
7. UNIT AGREEMENT NAME
BLACK STEER CANYON ✓
8. FARM OR LEASE NAME
9. WELL NO.
#12-11
10. FIELD AND FCGE, OR WILDCAT
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12, T39S, R25E
12. COUNTY OR PARISH
SAN JUAN
13. STATE
UTAH

2. NAME OF OPERATOR
SUPERIOR OIL COMPANY

DIVISION OF OIL
GAS & MINING

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.*
See also space 17 below.)
At surface
333' FWL, 975' FNL of Section 12

14. PERMIT NO.
43-037-30678

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
GL: 5230.5

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*
(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.)*

The subject well has been temporarily abandoned since 9/30/81. Future plans to produce the Black Steer Canyon #14-33 will necessitate utilizing the Black Steer Canyon #12-11 as a water disposal well. It is therefore requested that this well remain in a temporarily abandoned status. No facilities are present at this site.

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

SIGNED I. Greg Merrion
I. Greg Merrion

TITLE PETROLEUM ENGINEER

DATE 5/11/84

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217

January 14, 1985

Utah Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Ms. Dianne Nielson, Director

RECEIVED

FEB 0

DIVISION OF OIL
GAS & MINING

RE: NOTICES TO SUPERIOR OIL COMPANY

Dear Ms. Nielson:

As a result of the merger which became effective on September 28, 1984, The Superior Oil Companies ("Superior") is now a wholly owned subsidiary of Mobil Corporation.

Effective January 1, 1985, ~~Mobil Oil Corporation began acting on behalf of the Superior Oil Companies as service contractor, for the purpose of performing comprehensive business management and related administrative services.~~ To this end, Superior has entered into a Services Agreement with Mobil and has issued Powers of Attorney to certain Mobil employees, whereby Mobil has agreed to perform all of Superior's obligations and duties, and shall be entitled to enforce all of Superior's rights and privileges, including but not limited to all applicable Operating Agreements and leases (see attached). This shall include, without limitation, the making and receiving of payments, the giving and receiving of notices and other information, and the performance of all other related functions. Therefore, after December 31, 1984, notices to Superior or relative to its interests, assets or obligations should designate Mobil and be mailed to:

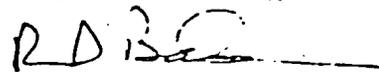
PERMITS ONLY

Mobil Oil Corporation
P.O. Box 5444
Denver, Colorado 80217-5444
Attention: R. D. Baker — (303) 298-2577

Enclosed is a list of all Superior wells. This list includes the well names, locations, API numbers and producing zone (if applicable).

We appreciate your consideration and cooperation. If you have any questions, please direct them to the undersigned.

Very truly yours,



R. D. Baker
Environmental & Regulatory Manager - West

Enclosure



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 12, 1985

Superior Oil Company
P O Drawer G
Cortez, Colorado 81321

Gentlemen:

Re: Well No. #12-11 - Sec. 12, T. 39S., R. 25E.,
San Juan County, Utah - API #43-037-30678

The above referenced well has been under a temporarily abandoned status for six months or longer. Please inform this office of the current status on the enclosed Form OGC-1b, "Sundry Notices and Reports on Wells".

Thank you for your prompt attention to the above matter.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/35

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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.)

RECEIVED

NOV 25 1985

DIVISION OF OIL
& MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRY HOLE		5. LEASE DESIGNATION AND SERIAL NO. U-12427
2. NAME OF OPERATOR SUPERIOR OIL COMPANY (Mobil as Agent)		6. IF INDIAN, ALLOTTEE OR TRIBE NAME FEDERAL
3. ADDRESS OF OPERATOR P. O. DRAWER 'G', CORTEZ, COLORADO 81321		7. UNIT AGREEMENT NAME BLACK STEER CANYON
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 333' FWL, 975' FNL, SECTION 12		8. FARM OR LEASE NAME
14. PERMIT NO. 43-037-30678	15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL: 5230.5	9. WELL NO. #12-11
		10. FIELD AND POOL, OR WILDCAT WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 12, T39S, R25E, SLM
		12. COUNTY OR PARISH SAN JUAN
		18. STATE UTAH

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 checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input 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.)*

Superior Oil Company* requests permission to plug and abandon the subject well as per the attached procedure and wellbore diagram.

* Mobil Oil Corporation, agent for Superior Oil Company

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

SIGNED Gregg A. Trapp TITLE Engineer DATE 11-20-85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: **Federal approval of this action is required before commencing operations.**

*See Instructions on Reverse Side

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

DATE: 11/26/85
BY: John R. Bays

BLACK STEER CANYON #12-11
SAN JUAN COUNTY, UTAH

PLUG AND ABANDONMENT PROCEDURE

1. MIRU workover rig. Nipple down wellhead. Nipple up BOP's.
2. RIH 7-5/8" scraper and 2-7/8" workstring to 7248'. POH.
3. RIH w/ 2-7/8" workstring (open-ended) and hang tail at 7248'. MIRU cementing unit. Spot 65 bbls 9.5 ppg bentonite gel mud by displacing w/ 33.5 bbls fresh water. Pick up tubing and hang tail at 5700'.
4. MIRU wireline unit. RIH w/ through-tubing magnetically decentralized perforating gun and perforate 5820-22' w/ 4 JSPF @ 0 degree phasing. POH w/ gun.
5. Lower tubing tail to 5822'. Close casing valve and establish rate into squeeze perforations (spot 500 gals 28% HCl if necessary, displacing w/ fresh water).
6. Open casing valve and spot 8 bbls cement slurry by displacing w/ 32.5 bbls fresh water. Pick up tubing tail to 5600' and reverse out excess. Close casing valve and displace w/ 3 bbls fresh water.
7. Open casing valve and spot 42.5 bbls 9.5 ppg bentonite gel mud by displacing w/ 27 bbls fresh water. Pick up tubing and hang tail at 4600'.
8. RIH w/ through-tubing gun and perforate 4682-84' w/ 4 JSPF @ 0 degree phasing. POH w/ gun.
9. Lower tubing tail to 4684'. Close casing valve and establish rate into perforations (spot 500 gals 28% HCl if necessary, displacing w/ fresh water).
10. Open casing valve and spot 8 bbls cement slurry by displacing w/ 26 bbls fresh water. Pick up tubing tail to 4500' and reverse out excess. Close casing valve and displace w/ 3 bbls fresh water.
11. Open casing valve and spot 52 bbls 9.5 ppg bentonite gel mud by displacing w/ 19 bbls fresh water. Pick up tubing and hang tail at 3300'.
12. RIH w/ through-tubing gun and perforate 3371-73' w/ 4 JSPF @ 0 degree phasing. POH w/ gun. RDMO wireline unit.
13. Lower tubing tail to 3373'. Close casing valve and establish rate into perforations (spot 500 gals acid if necessary by displacing w/ fresh water).
14. Open casing valve and spot 8 bbls cement slurry by displacing w/ 18.5 bbls fresh water. Pick up tubing tail to 3180' and reverse out excess. Close casing valve and displace w/ 3 bbls fresh water.

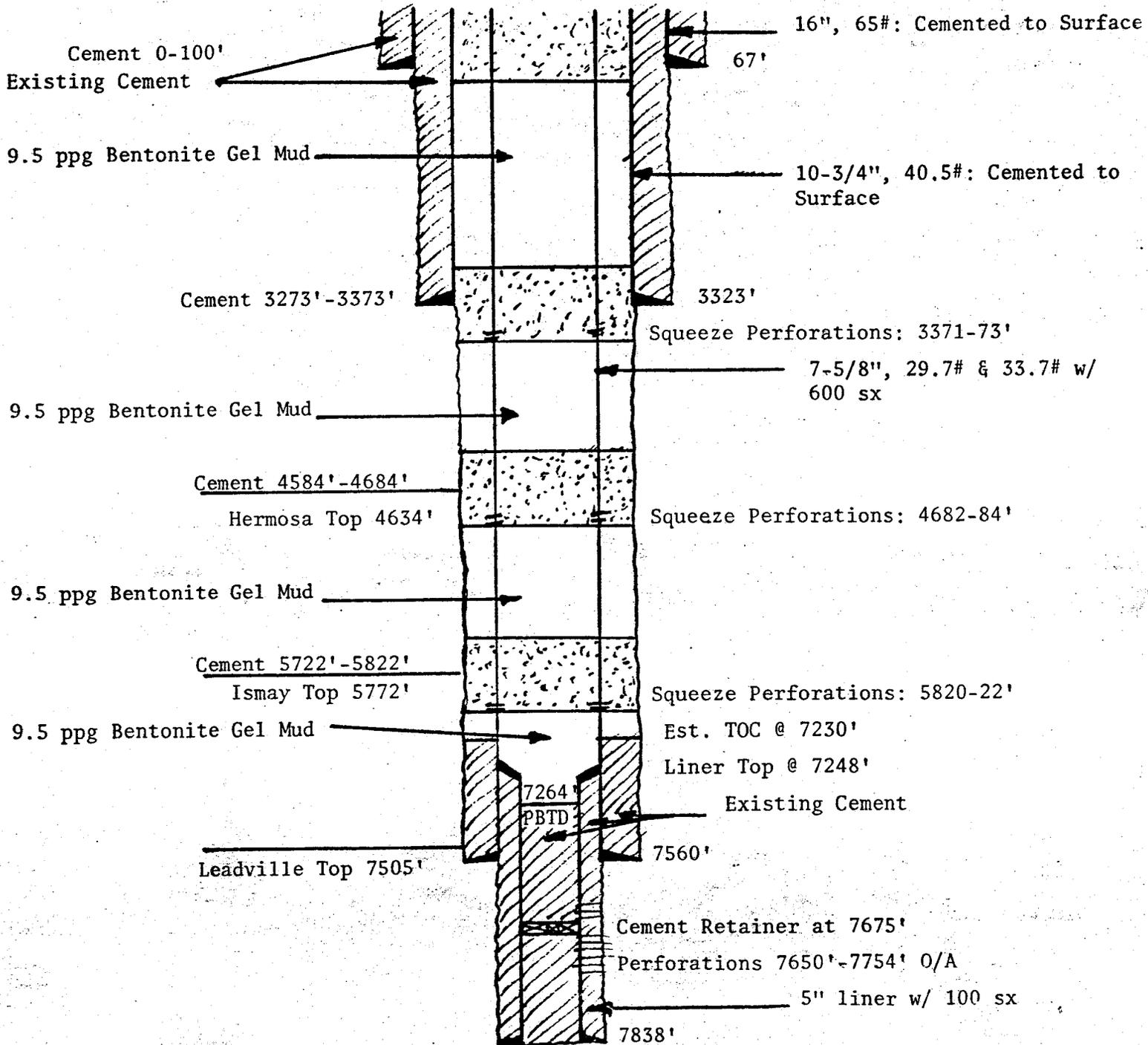
BLACKSTEER CANYON #12-11

PLUG AND ABANDONMENT PROCEDURE

PAGE 2

15. Open casing valve and circulate hole w/ 9.5 ppg mud. Pick up tubing tail to 120'. Circulate cement to surface. POH w/ tubing. Hook up to Braden head and pump 6 bbls cement slurry down 7-5/8" X 10-3/4" annulus. RDMO cementers, leaving 15 sx dry cement on location to install dry hole marker.
16. RDMO workover rig and clean up location.
17. Remove wellhead equipment and install dryhole marker.
18. Restore location to original contour and seed in accordance w/ BIA requirements.

**Black Steer Canyon #12-11
Proposed Wellbore Configuration**



Mobil Oil Corporation

P.O. BOX 5444
DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director

RECEIVED
MAY 16 1986

DIVISION OF
OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,



CNE/rd
CNE8661

R. D. Baker
Environmental Regulatory Manager

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FA

WESTERN REGULATORY WELL COMPLIANCE DATA FILE (PAGE 1 OF 2)
FOR THE CORTEZ SUPERVISOR AREA
FOR THE GREATER ANETH FIELD 05/13/86

PROPERTY NAME	WELL NAME	COUNTY	STATE	SEC	TWNSHP	RNG	WELL TYPE	S T API NUMBER	FEDERAL LEASE NUMBER	STATE NUMBER	UNIT NUMBER
BLACK STEER CYN	12-11	SAN JUAN	UT	NW	NW	12-39S-25E	PROD	43-037-30678	U-12427-B		
	14-33	SAN JUAN	UT	NW	SE	14-39S-25E	PROD	43-037-30590	U-12427		
EAST ANETH	29-31	SAN JUAN	UT	NW	NE	29-41S-26E	PROD OP	43-037-30872	N00-C-14-20-5185		
	30-41	SAN JUAN	UT	NE	NE	30-41S-26E	PROD OP	43-037-30621	N00-C-14-20-3797		
GOTHIC MESA	6-23	SAN JUAN	UT	NE	SW	6-41S-23E	PROD SI	43-037-15039	14-20-603-239		94-004216
	6-34	SAN JUAN	UT	SW	SE	6-41S-23E	PROD OP	43-037-15034	14-20-603-239A		94-004216
	7-21	SAN JUAN	UT	NE	NW	7-41S-23E	PROD OP	43-037-15036	14-20-603-239A		94-004216
	7-41	SAN JUAN	UT	NE	NE	7-41S-23E	PROD OP	43-037-15032	14-20-603-239A		94-004216
	8-12	SAN JUAN	UT	SW	NW	8-41S-23E	PROD OP	43-037-15035	14-20-603-239		94-004216
	8-33	SAN JUAN	UT	NW	SE	8-41S-23E	PROD OP	43-037-15037	14-20-603-239		94-004216
	8-42	SAN JUAN	UT	SE	NE	8-41S-23E	PROD TA	43-037-15033	14-20-603-239		94-004216
	9-13	SAN JUAN	UT	NW	SW	9-41S-23E	PROD SI	43-037-15041	14-20-603-242		94-004216
	9-24	SAN JUAN	UT	SE	SW	9-41S-23E	INJ SI	43-037-16452	14-20-603-242		94-004216
	9-44	SAN JUAN	UT	SE	SE	9-41S-23E	INJ SI	43-037-16451	14-20-603-242		94-004216
	WSW 1	SAN JUAN	UT	SE	NW	9-41S-23E	WSW SI	-----			94-004216
	16-11	SAN JUAN	UT	NW	NW	16-41S-23E	PROD SI	43-037-15042	14-20-603-243		94-004216
	16-22	SAN JUAN	UT	SE	NW	16-41S-23E	PROD TA	43-037-15043	14-20-603-243		94-004216
	16-24	SAN JUAN	UT	SE	SW	16-41S-23E	INJ SI	43-037-16454	14-20-603-243		94-004216
	16-33	SAN JUAN	UT	NW	SE	16-41S-23E	PROD OP	43-037-15044	14-20-603-243		94-004216
16-44	SAN JUAN	UT	SE	SE	16-41S-23E	INJ SI	43-037-16453	14-20-603-243		94-004216	
17-31	SAN JUAN	UT	NW	NE	17-41S-23E	PROD OP	43-037-15040	14-20-603-240		94-004216	
HORSEHEAD POINT	18-44	SAN JUAN	UT	SE	SE	18-36S-25E	PROD SI	43-037-30909	U-40754		
MC ELNO CREEK	A17-1	SAN JUAN	UT	NE	NE	10-41S-24E	INJ OP	43-037-05592	14-20-0603-6148		96-004190
	A17-2	SAN JUAN	UT	NE	NE	10-41S-24E	INJ SI	43-037-05592	14-20-0603-6148		96-004190
	B-13	SAN JUAN	UT	NW	NW	2-41S-24E	INJ OP	43-037-05701	14-20-603-6509		96-004190
	B-14	SAN JUAN	UT	SW	NW	02-41S-24E	PROD OP	43-037-30383	14-20-603-6509		96-004190
	B-15	SAN JUAN	UT	NW	SW	02-41S-24E	INJ OP	43-037-05657	14-20-603-6508		96-004190
	B-17	SAN JUAN	UT	NW	NW	11-41S-24E	PROD OP	43-037-30138	14-20-603-6148		96-004190
	B-18	SAN JUAN	UT	SW	NW	11-41S-24E	PROD OP	43-037-15615	14-20-0603-6148		96-004190
	C-13	SAN JUAN	UT	NE	NW	2-41S-24E	PROD OP	43-037-30379	14-20-603-6509		96-004190

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
reverse side)

082830

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-12427

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

FEDERAL

7. UNIT AGREEMENT NAME

BLACK STEER CANYON

8. FARM OR LEASE NAME

9. WELL NO.

#12-11

10. FIELD AND POOL, OR WILDCAT

WILDCAT

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

SEC. 12, T39S, R25E, SLM

12. COUNTY OR PARISH

SAN JUAN

18. STATE

UTAH

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 GAS WELL OTHER DRY HOLE

2. NAME OF OPERATOR
MOBIL E & P NORTH AMERICA (MEPNA*)

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

333' FWL, 975' FNL, SECTION 12

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.

43-037-30678

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL: 5230.5

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

NOTIFICATION OF PLUG AND ABANDONMENT

- 04-15-86 MIRU. RIH w/ 7-5/8" scraper and 2-7/8" workstring to 7243'. POH.
- 04-16-86 Spotted 5 bbls 9.5 ppg bentonite mud from 7264-822' by displacing w/ 33.5 bbls fresh water. Perforated Ismay fm. from 5820-22' w/ 4 JSPF. Could not break down fm. w/ fresh water. SDFN.
- 04-17-86 Spotted 500 gals 28% HCl into Ismay perms @ 5820-22' and broke down Fm. Squeezed 8 bbls Class 'B' cmt slurry by displacing w/ 32.5 bbls FW. Cmt plug from 5722-5822'. Spotted 42.5 bbls 9.5 ppg bentonite mud from 5822-4684' by displacing with 42.5 bbls FW. Perforated Hermosa Fm from 4682-84' w/ 4 JSPF. Broke down Fm. w/ 500 gals 28% HCl. SDFN.
- 04-18-86 Squeezed 8 bbls Class 'B' cmt slurry by displacing w/ 26 bbls FW. Cmt plug from 4584-4684'. Spotted 52 bbls 9.5 ppg bentonite mud from 4584-3373' by displacing with 19 bbls FW. Perforated from 3371-73' w/ 4 JSPF. Squeezed 8 bbls cmt slurry by displacing w/ 18.5 bbls water. SDFN.
- 04-21-86 Circulated hole w/ 9.5 ppg bentonite mud. Spotted Class 'B' cmt slurry from surface to 100'. SDFN.
- 04-22-86 Removed wellhead. Set dry hole marker. P & A complete. RDMO.

* Mobil Oil Corporation as Agent for MEPNA

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

SIGNED

Paul S. Heide

(This space for Federal or State office use)

TITLE Operations Engineer

DATE 08-20-86

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

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

DATE 8-26-86

BY: John R. Bay

*See Instructions on Reverse Side