

UTAH DIVISION OF OIL, GAS AND MINING

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

\* OPERATOR NAME CHANGE 11-26, 1979

DATE FILED 12-19-78

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-14258 INDIAN

DRILLING APPROVED: 12-19-78

SPOUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 5340' *gn*

DATE ABANDONED: 11-14-79-Location Abandoned; Approval suspended until drilling commences

FIELD: ~~Wildcat~~ 3/86 Bushy Field

UNIT:

COUNTY: Grand

WELL NO. Federal 258-7 API NO: 43-019-30481

LOCATION 1751' FT. FROM (N) ~~XX~~ LINE. 2098' FT. FROM ~~XX~~ (W) LINE. SE NW 1/4-1/4 SEC. 5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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18S	24E	5	* TEXOMA PRODUCTION CO.
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**FILE NOTATIONS**

Entered in NID File .....	Checked by Chief .....
Location Map Pinned .....	Approval Letter .....
Card Indexed .....	Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....	Location Inspected
OW..... WW..... PA.....	Road released
OW..... OS..... PA.....	State or Fee Land .....

**LOGS FILED**

Driller's Log.....  
Electric Logs (No.) .....

E.....	I.....	Dual I Lat.....	GR-N.....	Micro.....
PHC Sonic GR.....	Lat.....	MI-L.....	Sonic.....	

*LWP*  
*4-5-90*

Feb 79 - Mar 79



OTB

2400 ANACONDA TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620

December 4, 1978



U. S. Geological Survey  
E. W. Guym, District Engineer  
8426 Federal Building  
125 South State Street  
Salt Lake City, Utah 84138

Re: Filing NIL-6 and A.P.D. Form 9-331C  
The Anschutz Corporation  
Federal 258 No. 7  
SE NW Sec. 5, T.18S, R.24E  
Grand County, Utah

Dear Mr. Guym:

Enclosed are four copies of our preparation of the NIL-6 program and the A.P.D. Form 9-331C for the above captioned well location. One of these copies is to be forwarded to the BLM at Moab, Utah.

Would you kindly set a time with the BLM to go on ground to inspect the well site and notify us accordingly? I will be available for pre-drill inspection when you advise us.

An archaeological report is being prepared by Gordon and Kranzus, Inc. and will be submitted when it is completed.

Please return the enclosed fourth copy to our office with approval and comments.

We will appreciate your earliest attention on this matter.

Very truly yours,

Peter B. Doty  
Production Coordinator

PBD:kg  
Enclosures:

✓ cc: State of Utah  
Division of Oil & Gas & Mining

6

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  
The Anschutz Corporation

3. ADDRESS OF OPERATOR  
555 17th Street, Suite 2400, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 2098' FWL 1751' FNL  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 8 miles N.W. of Harley Dome, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1751'

16. NO. OF ACRES IN LEASE 1919.52

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. 2209.6'

19. PROPOSED DEPTH 5500'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5340' GR

22. APPROX. DATE WORK WILL START\*  
January 20, 1979

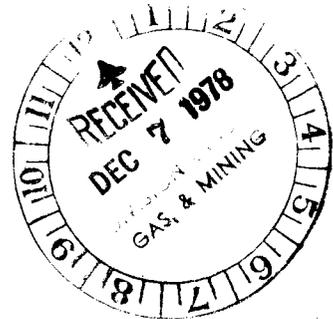
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	32.00#	200'	200 sx, circ. to surface
7-7/8"	4-1/2"	9.50#	5500'	200 sx

This well will be drilled as an offset well to develop the field discovered by the Federal 258 No. 1.

Exhibits Attached:

- A) Location + Elevation Plat
- B) Ten Point Compliance Program
- C) Blow-Out Preventer Diagram
- D) Multipoint Surface Use Plan
- E) Area Access Road + Well Map
- F) Drill Pad Layout, Cut + Fill Sections
- G) Rig Layout
- H) Existing Production Facilities
- I) Rehabilitation Agreement



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 Peter B. Doty TITLE Production Coordinator DATE November 15, 1978

(This space for Federal or State office use)

PERMIT NO. 43-019-30481 APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

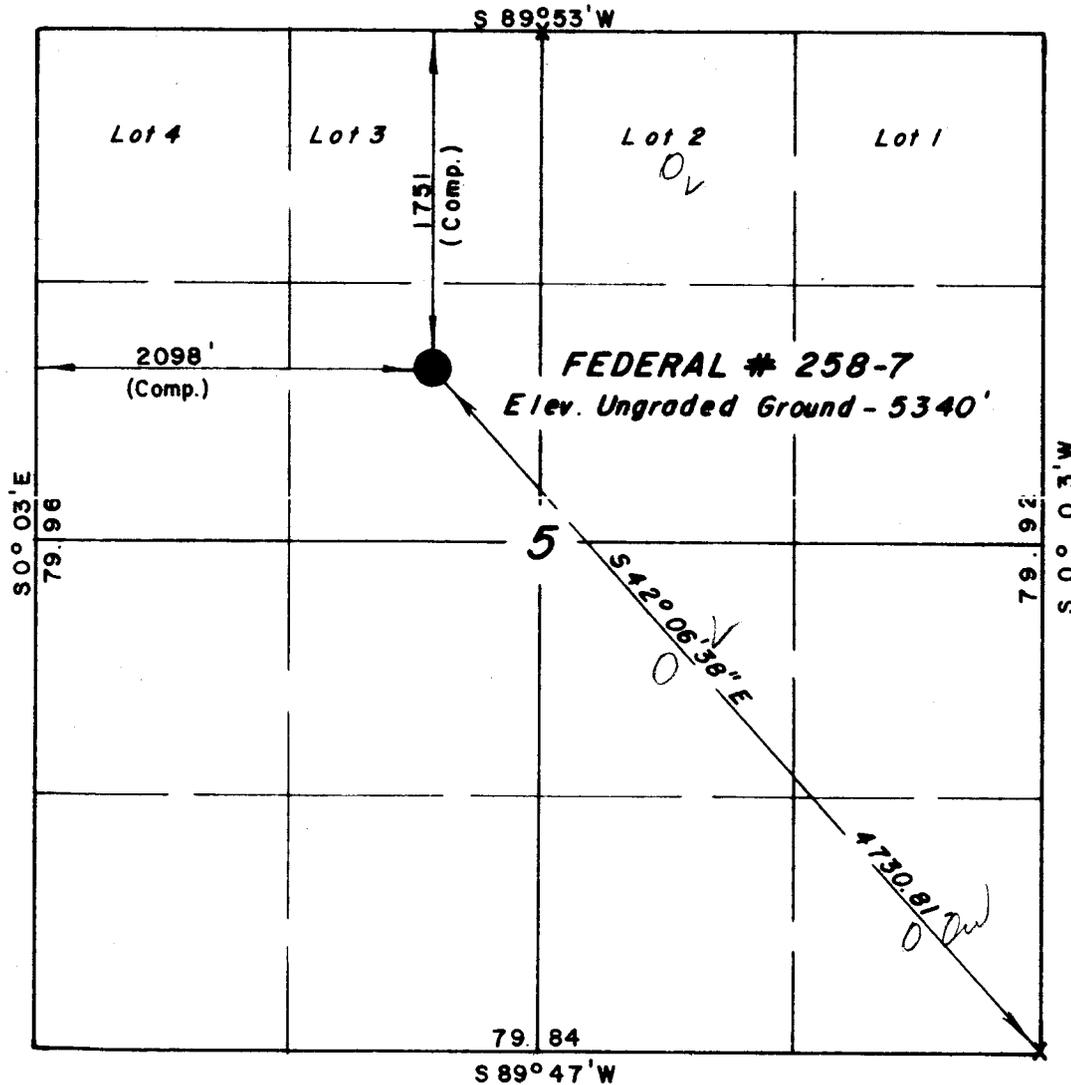
T18S, R24E, S.L.B. & M.

PROJECT

**ANSCHUTZ CORPORATION**

Well location, **FEDERAL # 258-7**,  
located as shown in the SE 1/4 NW 1/4  
Section 5, T18S, R24E, S.L.B. & M.  
Grand County, Utah.

EXHIBIT "A"



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Lawrence P. Kay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10/30/78
PARTY RK TJ RP	REFERENCES GLO Plat
WEATHER Clear / Warm	FILE ANSCHUTZ CORP.

X = Section Corners Located

TABLE I

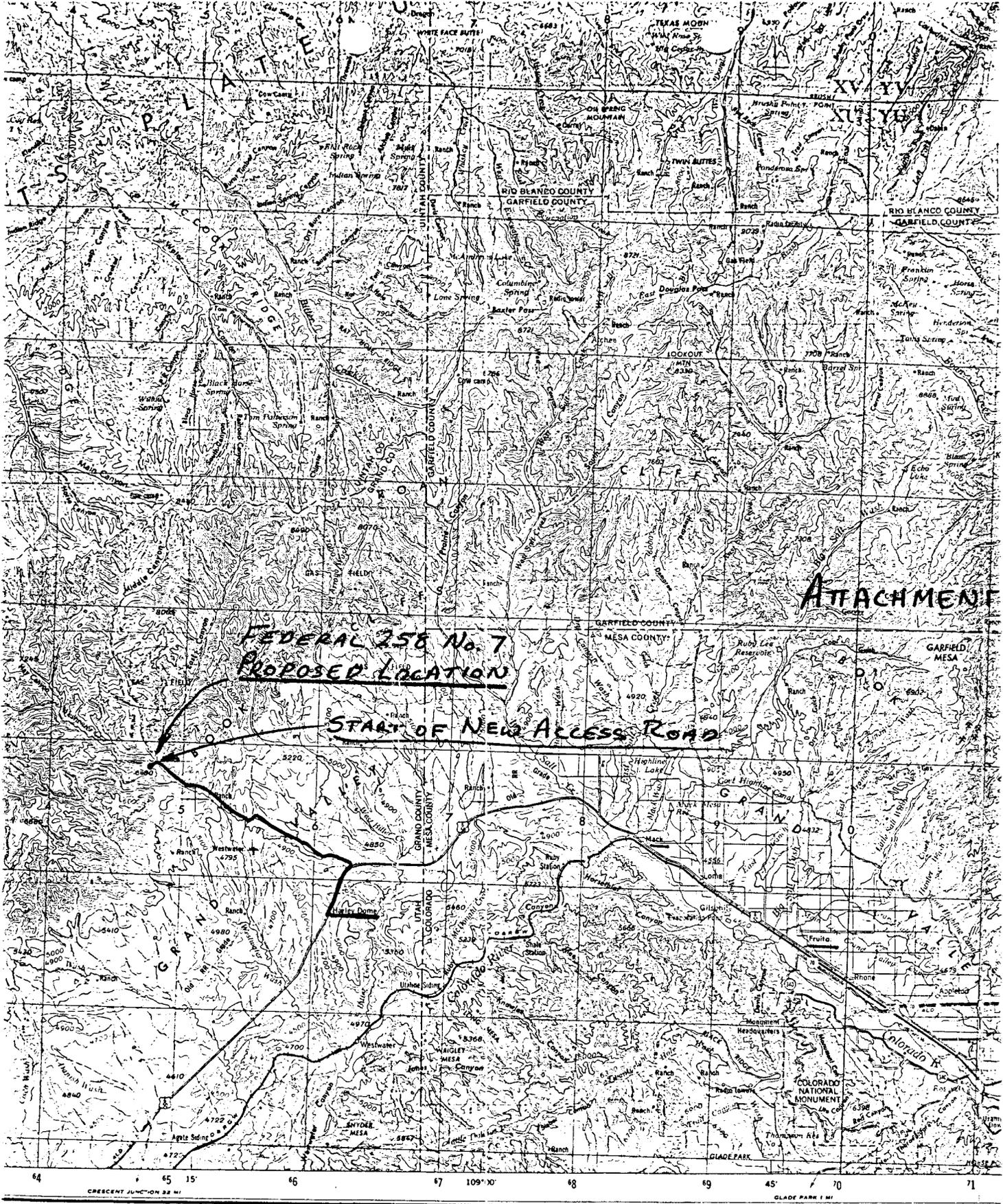
ESTIMATED IMPORTANT GEOLOGIC MARKERS

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>
Mancos	Surface	+ 5350
Base Dakota Silt	4100	+ 1250
Dakota Sand	4154	+ 1196
Cedar Mountain	4179	+ 1171
Morrison	4275	+ 1075
Salt Wash	4607	+ 743
Summerville	4859	+ 491

TABLE II

ESTIMATED DEPTHS OF ANTICIPATED WATER,  
OIL, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>
Dakota Gas, Oil or Water	4154
Cedar Mountain Gas or Water	4179
Morrison Gas, Oil or Water	4275
Salt Wash Gas, Oil or Water	4607
Summerville Gas, Oil or Water	4859

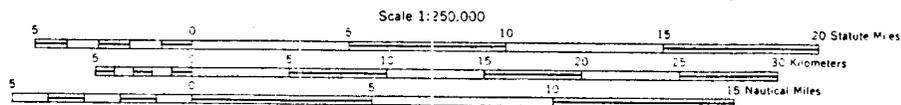


ATTACHMENT "A"

FEDERAL 258 No. 7  
PROPOSED LOCATION

START OF NEW ACCESS ROAD

- road surface
- - - - - place
- (10) (20) (30)
- school, Church, Other, E & S
- 4 in feet
- imp
- dry stream



CONTOUR INTERVAL 200 FEET  
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10 000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12  
1985 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15W (120 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14W (120 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

LOCATION			
BRUNHAM C. 114°	N. 12° 14'	N. 12° 18'	ROCKY MOUNTAIN
TOOLEY 114°	N. 12° 12'	N. 12° 11'	UTAH PRICE
N. 12° 13'	DELTA	N. 12° 2'	N. 12° 13'
N. 12° 14'	N. 12° 5'	N. 12° 5'	N. 12° 5'
BLAKE CITY 114°	N. 12° 7'	N. 12° 8'	N. 12° 8'
N. 12° 7'	N. 12° 8'	N. 12° 8'	N. 12° 8'

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM  
OF NIL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C  
The Anschutz Corporation

Federal 258 No. 7  
2098' FWL 1751' FNL  
Sec. 5, T.18S, R.24E  
Grand County, Utah

1. Geologic Surface Formation

This well is situated on the northwestern edge of the Grand Valley. The surface consists of alluvial and colluvial deposits derived from the sedimentary formations which form the steep faces of the Book Cliffs. The surface formation is the dark gray Mancos Shale and the Cliffs are formed from resistant Cretaceous and Tertiary sandstone.

2. Estimated Important Geologic Markers

See Table I

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

See Table II

4. Proposed Casing Program

The casing program for this well follows: 200 feet of 8-5/8" new K-55, 24# casing will be set in a 12-1/4" surface hole. This will be set with 200 sacks of Class G cement with return flow to the surface.

In the event of production, new 4-1/2", 9.5# production casing will be set in a 7-7/8" hole at T.D. This will be set with 200 sacks of 50-50 Posmix with 2% gel and 2% CaCl<sub>2</sub>.

5. Operator's Minimum Specifications for Pressure Control

Exhibit "C" is a schematic diagram of the blowout preventer equipment planned for use in these wells. The BOP's will be hydraulically tested to the full working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period. The blind rams and annular preventer will be checked each time pipe is pulled out of the hole. All testings will be recorded in the daily drill sheets. Accessories to BOP's include upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. Type and Characteristics of Proposed Muds

- (a) It is planned that this well will be drilled with air from the base of the surface casing to the total depth. If air is abandoned, then (b) and (c) will be used.
- (b) If air drilling is abandoned, then the hole will be drilled with native muds to 4000'.
- (c) From 4000' to TD the hole will be drilled with Chem-Gel with the mud weighted as necessary for good hole conditions. The water loss will be kept from 8 to 12 cc and the viscosity between 35 and 45.

7. Auxilliary Equipment to be Used

- (a) A kelly cock will be kept in the string at all times.
- (b) A float will be used at the bit at all times.
- (c) A gas detecting device will monitor the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly cock is not in the string.

8. Testing, Logging, and Coring Programs

- (a) All valid shows will be tested. The objective for this well is the Entrada Formation.
- (b) If air drilled, an induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and sidewall neutron porosity logs will be run at the minimum footage. If the hole is fluid filled, a dual induction log will be run from TD to the base of the surface casing and gamma ray, compensated formation density, and compensated neutron logs will be run at the minimum footage.
- (c) No coring is anticipated.

9. Anticipated Abnormal Pressures or Temperatures Expected

No abnormal pressures or temperatures have been noted or reported in the wells drilled in this area to these depths. No hydrogen sulphide or other hazardous gases or fluids have been found reported or known to exist at these depths in this area.

10. Anticipated Starting Date and Duration of Operators

The anticipated starting date is set for January 20, 1979, or as soon as possible after examination of the surface and approval of all drilling requirements.

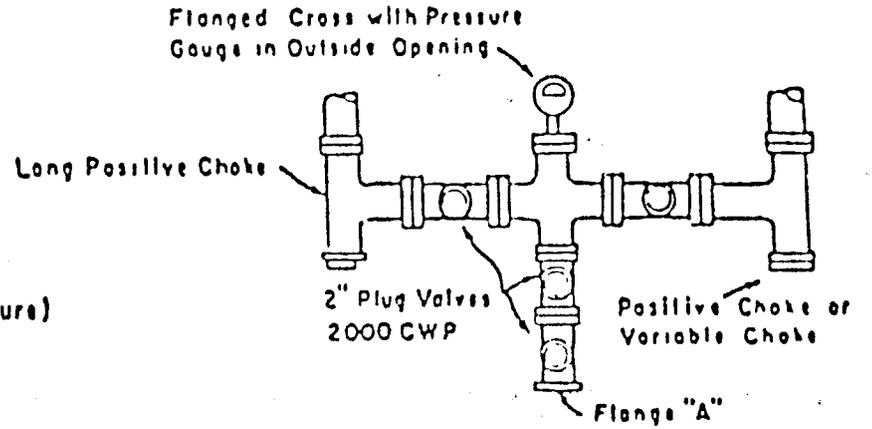
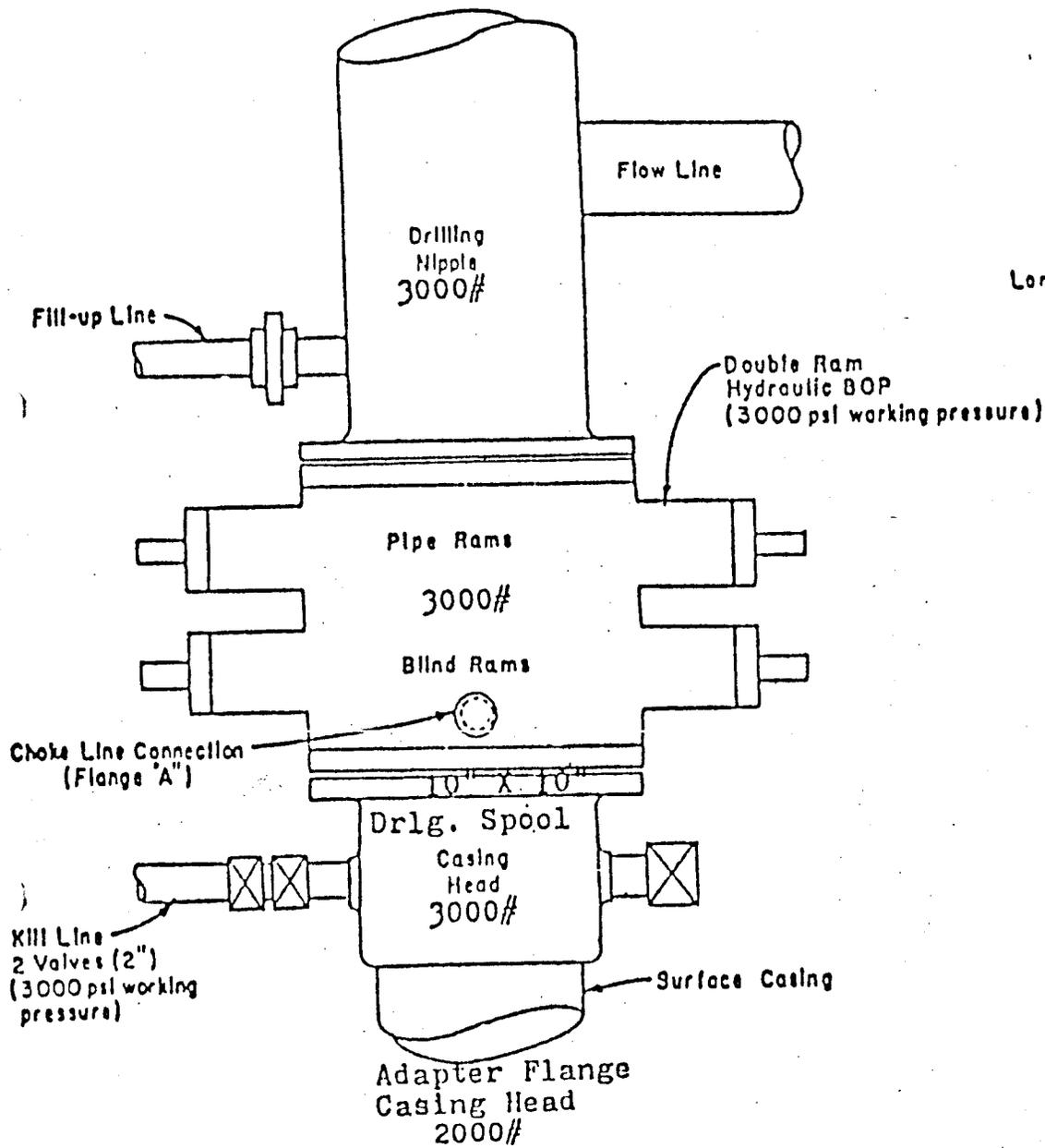
It is anticipated that this well should be completed within 20 days after spudding.

11. Anticipated Fracture Stimulation Methods

Any fracturing operations on this well will be performed using a water based system. Approximately 40,000 gallons of frac fluid, 26,000 # 100 mesh sand, 47,000 # 20/40 mesh sand will be pumped at an anticipated rate of 25 bpm down 2-3/8" tubing at an estimated pump-in pressure of 2000 psi will be injected into this well if required.

The additional pad area required for fracutre stimulation of this well is outlined on Exhibit "F".

Rotating Head



PLAN VIEW-CHOKE MANIFOLD

Blowout Preventer Diagram  
Anschutz Corporation

EXHIBIT "C"

EXHIBIT "D"

MULTIPOINT REQUIREMENTS TO ACCOMPANY APD  
ATTACHED TO FORM 9-331-C  
THE ANSCHUTZ CORPORATION

Federal 258 No. 7  
2098' FWL - 1751' FNL  
SEC. 5, T.18S, R.24E

1. Existing Roads

- A. Exhibit "A" is the proposed well site as staked by Uintah Engineering and Land Surveying, and the ground elevation is shown thereon.
- B. Exhibit "E" is a color coded map used because general features show more prominently than other maps found. One travels 40 miles on I-70 from Thompson, Utah, east to the Harley Dome exit, then proceeds north and east on U.S. 6 and 50. At the Westwater Unit turnoff, it is approximately 11 miles northwest on gravel and dirt road to the location. This location is within 2600 feet of the road, which can be used in most weather conditions. The blue color in Exhibit "E" indicates this good, passable road.
- C. Exhibit "E" shows the existing usable roads in blue.
- D. This is not an exploratory well.
- E. All known roads in the area are shown in Exhibit "E". Generally, all roads are gravel or hard packed dirt.
- F. There is no plan to improve or maintain existing roads.

2. Planned Access Roads

- (1) Maximum width will not exceed 20 feet.
- (2) Maximum Grade will not exceed 10%.
- (3) No Turnouts will be required.
- (4) Waterbars will be installed in the road at no more than 1000' intervals. One small drainage is crossed and a low water crossing will be installed at this point. No culverts will be required.
- (5) Cut and fill information is not required per BLM instructions (telecon Doty to Garnutt, 11-13-78).
- (6) No surfacing materials will be needed during drilling operations. If production is obtained, the access roads will be surfaced with local stream gravel.
- (7) No fencelines will be crossed and therefore the only fencing required will be around the trash and reserve pits as noted in Part 7, "Handling of Waste Disposal".
- (8) The access road will be approximately 2600' in length and has been center line flagged.

3. Location of Existing Wells

A one mile radius from this proposed development well is indicated in Exhibit "E". All known wells and their current status are indicated thereon.

- (1) No known water wells exist in the area.
- (2) Exhibit "E" shows all known wells in the area. The closest dry hole is in the SE  $\frac{1}{4}$  of the NE  $\frac{1}{4}$ , Section 5, T.18S, R.24E.
- (3), (4), (5). There are no known temporarily abandoned disposal or drilling wells in the area.
- (6) The only producing well in this area is the Anschutz Corporation's well #2-Fed-258, as shown in Exhibit "E".
- (7), (8), (9). There are no known shut-in-injection, or observation wells in this area.

4. Location of Existing and/or Proposed Facilities

Existing facilities are shown on Exhibit "G". At present we do not anticipate having to move any of the production equipment with the possible exception of the pumping unit. No additional production equipment is anticipated.

An existing oil flow line from #2-Fed-258 is shown on Exhibit "E" in green.

5. Location and Type of Water Supply

Water, if needed, will be obtained from flowing water in Westwater Creek.

6. Construction Materials

A,B,C,D. No construction materials are needed for drilling operations. The sand, gravel and rock located in situ are adequate for any construction necessary in connection with either dry or producing wells. There are no access routes needed for crossing Indian land. No new access roads or upgrading of present roads on Federal lands is anticipated.

7. Handling Waste Disposals

- (1) Drill cuttings will be buried in the reserve pit when covered.
- (2) Drilling fluids will also be handled in the reserve pit.

7. Handling Waste Disposals - Cont'd

- (3) Any fluids produced while drill stem testing or production or other testing will be collected in a test tank set near the pipe baskets or near the well head. Any unavoidable spills of oil or other adverse substances or materials will be covered or removed immediately during drilling progress or during completion operations.
- (4) Any sewage will be covered or removed.
- (5) Garbage, wastes and non-flammable wastes, salts and other chemicals produced or used during drilling or testing will be handled in the reserve pit or kept in the trash or burn pit. The trash or burn pit will be covered with small wire mesh to prevent scattering.
- (6) The reserve pit, in addition to the trash or burn pit, will be fenced on three sides during drilling operations, and iron or other posts and wire fencing will be available on each location immediately upon cessation of drilling the fourth side of the reserve pit will be fenced prior to full removal of the rig from the location. Any other dangerous or harmful pits or sewage areas will also be fenced or covered at the time rig is moved off location. The location will be policed and cleaned up, and rehabilitation of unused areas will be done after the drilling or completion rig has moved off.

8. Ancillary Facilities

No airstrips, camps, or other living facilities will be built or needed.

9. Well Site Layout

- (1) Exhibit "F", is the drill pad layout as staked by Uintah Engineering and Land Surveying. The cut and fill requirements are noted on the layout of the proposed location. The location has been constructed from these contours. The top 6 inches of soil will be stockpiled as shown on the plat.
- (2) The mud tanks, pits, rig orientation, etc. for this well are shown in Exhibit "G". If this well is drilled by air, these facilities may change accordingly.
- (3) Exhibit "H", shows the present facility orientation, parking areas and access road for the location. Rig orientation is shown in Exhibit "F".
- (4) The reserve pit will be lined with Bentonite. Steel mud pits, if used, will be as shown in Exhibit "G".

10. Plans for Restoration

- (1) Backfilling, leveling and contouring will be accomplished as soon as possible after plugging of the well, or immediately on those areas unused if production is obtained. Waste disposal and spoils materials will be buried or hauled away immediately before rig moves off location.
- (2) Rehabilitation will be accomplished by spreading the banked topsoil over the area and contouring the banks that will be created in this heavily eroded area so that vegetation planted will be accomplished using grasses or mixtures suited best for the dry, arid conditions encountered here. The access roads will be revegetated as needed.
- (3) Prior to rig release, the fourth side of the reserve pit at each drill site will be fenced and maintained until clean up operations are finished.
- (4) Any oil or spills will be immediately cleaned up or flagged.
- (5) Rehabilitation operations will commence as soon as the rig moves off location. However, revegetation will be delayed until the Spring of 1979 or the Fall of 1979 for optimum growth potential.

11. Other Information

- (1) This well is located on the northwestern edge of the Grand Valley at the foot of the Book Cliffs. The topography of the immediate area grades from flat prairie to gullied hills, steeping with increasing proximity to the Cliffs. Long, narrow canyons, the majority of which carry only intermittent stream flow, form the chief topographic features of the Book Cliffs. This area receives very little annual precipitation; however, as this area is located at the mouth of Hay Canyon, it is subject to flash flooding.

The canyon bottoms and adjacent flatlands are composed predominantly of alluvial and colluvial material consisting of poorly sorted boulders, gravel, sand and silt. The soil on all locations is a sandy, silty clay formed from this material and is primarily derived from the Cretaceous Mancos Shale and the resistant Cretaceous and Tertiary sands forming the Cliffs (refer to Item 1 of Exhibit "B").

The Flora at this location consists of sagebrush, tumbleweed, cactus, bunch grass and other sparse grasses, and occasionally Pinyon Pine and Juniper. The vegetation constitutes approximately 40-70% of the ground cover. The remaining exposed soil material is highly erodible. The observed animal population is domesticated sheep and cattle and a few deer, rabbits, snakes and lizards. Other wildlife indigenous to a rugged, semiarid environment is presumed to exist.

11. Other Information - Cont'd

- (2) Grazing is the only observed current surface use in this area. The location for #4 Federal 258 adjoins an abandoned ranch which at one time supported cultivated crops. The surface ownership is by Frank Spadafore of Montrose, Colorado, and BLM.
- (3) This location is close to a small intermittent stream, as can be seen on the topographic map reproduced in Exhibit "E". However, this location should be far enough from the stream that there will be no danger of contamination from seepage from the reserve pit, and any runoff of oil or chemicals from the drill site will not be permitted (refer to Item 7 above).

An archeological survey is being conducted by the firm of Gordon and Kranzush, Inc. and will be submitted under a separate cover.

The commencement of operations is planned for approximately January 20, 1979, or as soon as possible after approval.

12. Lessee's or Operator's Representative

Peter B. Doty  
Production Coordinator  
The Anschutz Corporation  
555 17th Street  
2400 Anaconda Tower  
Denver, Colorado 80202

Phone: (303) 825-6100  
Res: (303) 427-2873

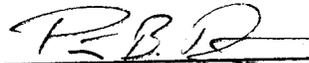
Wayne C. Pierce  
Operations Manager  
The Anschutz Corporation  
555 17th Street  
Anaconda Tower  
Denver, Colorado 80202

Phone: (303) 825-6100  
Res: (303) 794-3860

13. Certification

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 Anschutz Corporation and its contractors and sub-contractors in conformity with this plan and their terms and conditions under which it is approved.

Date: 11-20-78

  
Name: Peter B. Doty  
Title: Production Coordinator  
THE ANSCHUTZ CORPORATION

**ANSCHUTZ CORPORATION  
PROPOSED LOCATION  
FEDERAL 258 No. 7**

EXHIBIT "E"

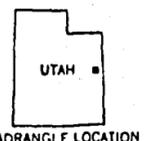
TOPO. MAP "B"



SCALE - 1" = 2000'

**ROAD CLASSIFICATION**

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Unimproved road
- Interstate Route
- U. S. Route
- State Route



WELL	STATUS
Federal 258 No. 1	P&A Junk
Federal 258 No. 1-A	Staked
Federal 258 No. 2	Producing Oil
Federal 258 No. 3	P&A Dry Hole
Federal 258 No. 4	Staked
Federal 258 No. 5	P&A Dry Hole
Federal 258 No. 6	Staked
Federal 350 No. 1	Staked
Federal 350 No. 2	Staked
Federal 350 No. 3	Staked



R  
24  
E

PROPOSED LOCATION

FEDERAL 258 No. 7

33.3 MILES TO FRUITA, COLORADO

PROPOSED ACCESS ROAD 0.5 MILES

FED. 258 No. 4

FED. 258 No. 3

FED. 350 No. 1

FED. 258 No. 2

FED. 258 No. 1-A

FED. 258 No. 6

FED. 350 No. 3

FED. 258 No. 2

FED. 350 No. 2

Drill Hole 5028

Drill Hole 4954

Drill Hole 4963

Drill Hole 4954

Drill Hole 4923

Drill Holes

Drill Hole

BM 4986

BM 5035

Dry Prospect

Potato Hill

Spring

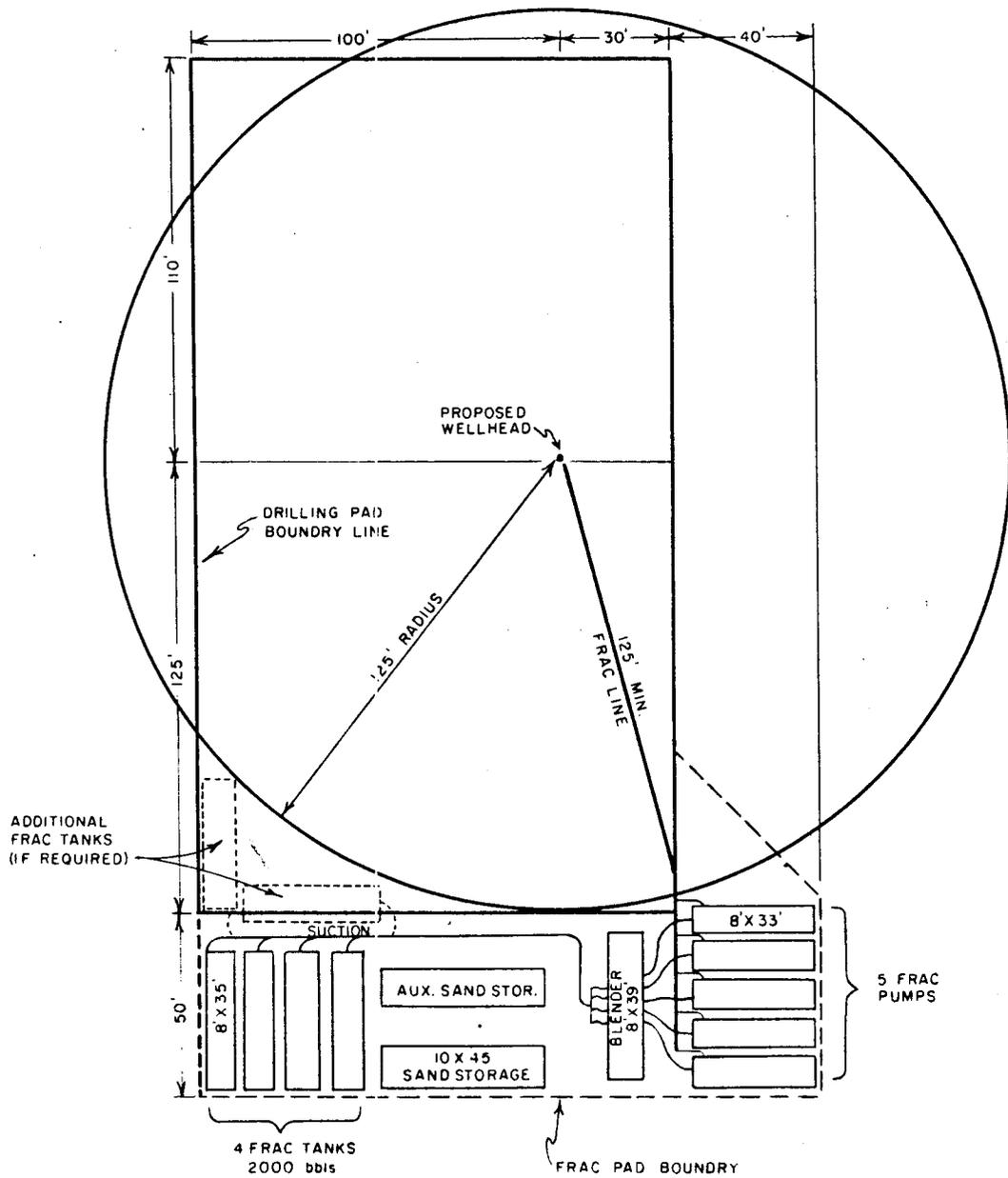
F.F.S.

JEOP TRAIL

JEOP TRAIL

WEST HILL

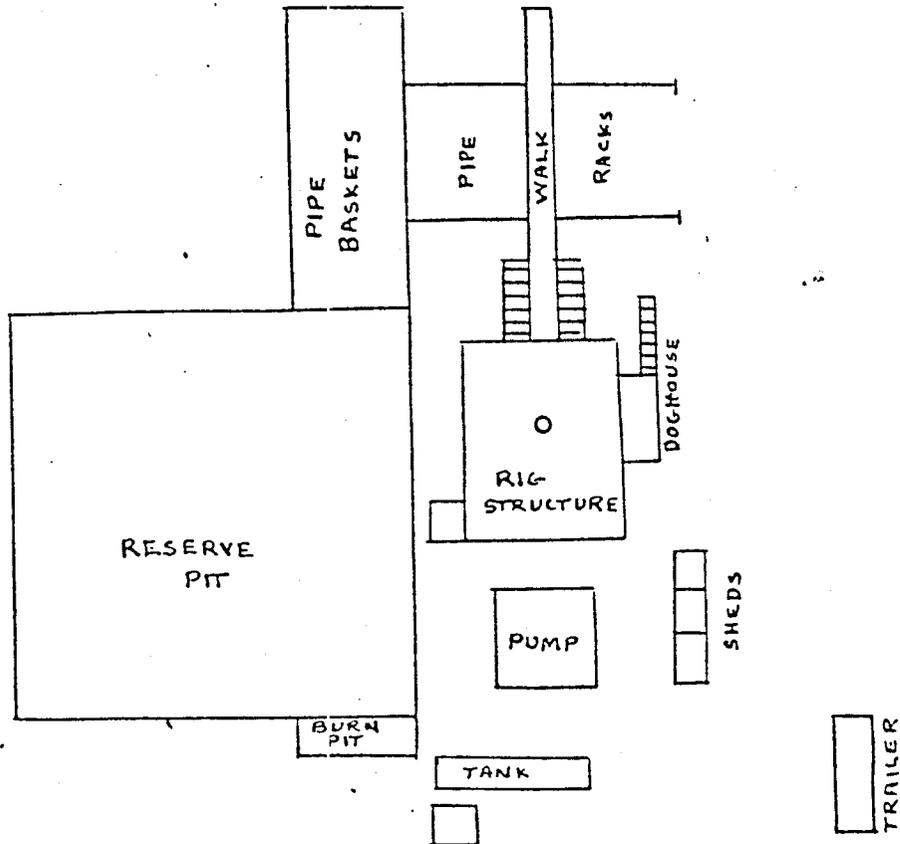




THE ANSCHUTZ CORPORATION  
 FRACTURE STIMULATION  
 PROPOSED EQUIPMENT LAYOUT  
 EXHIBIT "F<sub>1</sub>"

SIMPLIFIED RIG LAYOUT  
SMALL LOCATION

EXHIBIT "G"



1. Rig will be oriented on drill pad as best suited for pits and topography
2. Each drill pad is immediately off of existing roads except #3 - Fed - 258 (See Exhibit "F" for its access)

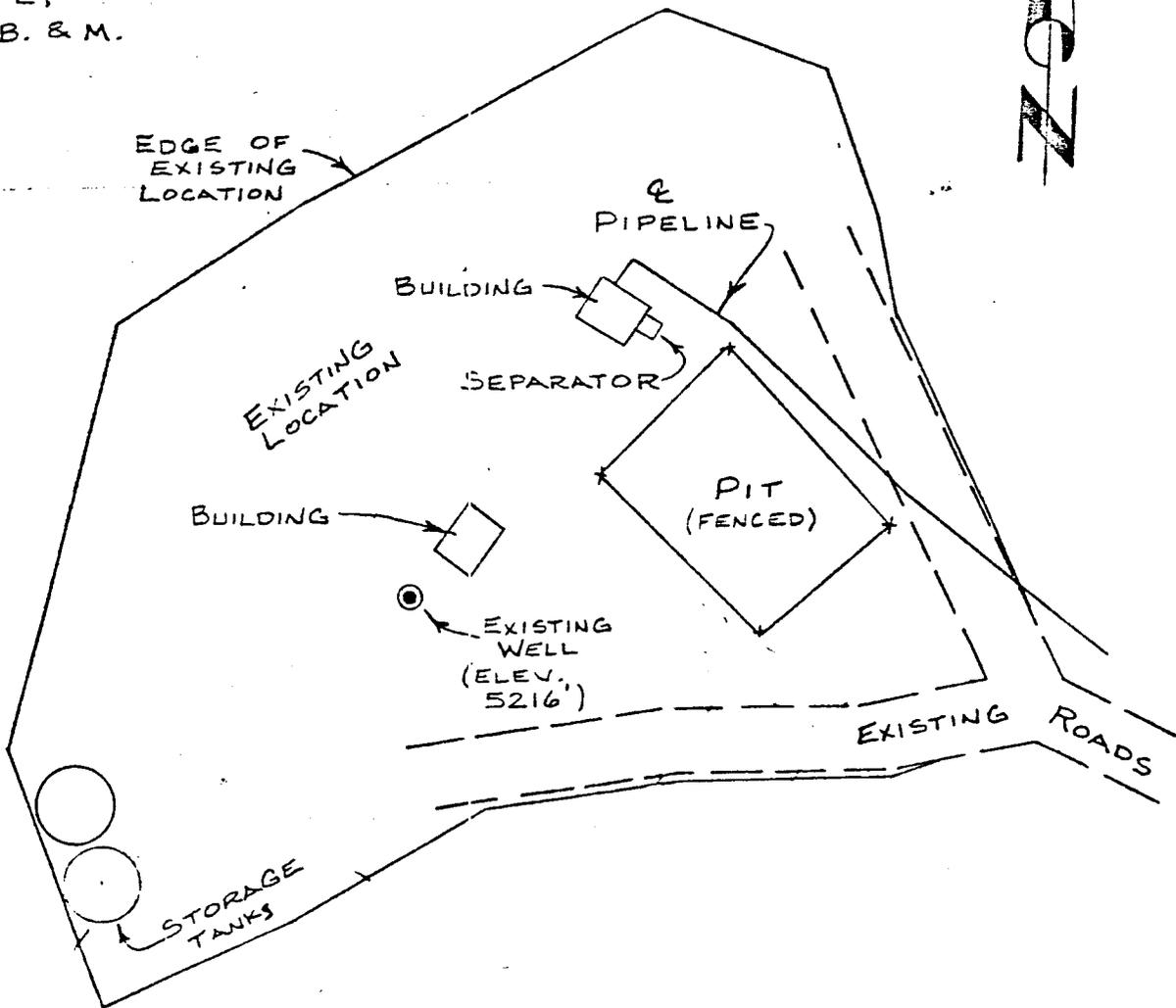
EXHIBIT "H"

ANSCHUTZ CORP.

LAYOUT OF EXISTING LOCATION  
(FEDERAL 258 #1)

SECTION 5,  
T18S,  
R24E,  
S.L.B. & M.

SCALE - 1" = 50'



REHABILITATION AGREEMENT

Lease No.: U-14258 ; Well Name and No.: Federal 358 No. 7 ;

Location: SE 1/4 NW 1/4 Section 5 , T. 18S , R. 24E .

The Anschutz Corporation intends to drill a well on surface owned by Frank Spadafore . The lessee/operator agrees to complete the following rehabilitation work if the well is a producer:

Yes  No Maintain access road and provide adequate drainage to road.

Yes  No Reshape and reseed any disturbed area in excess of the pump and support facilities.

Other requirements: \_\_\_\_\_  
\_\_\_\_\_

The following work will be completed when the well is abandoned:

Yes  No Site will require reshaping to conform to existing topography.

Yes  No Pit will be fenced until dry, then filled to conform to topography.

Yes  No Entire disturbed area will be reseeded. If yes, the following seed mixture will be used:

1.5 #/acre Indian Rice Grass      Globe Mallow 1#/acre  
Sand Drop 1.5#/acre      Shadscale 1#/acre  
Four Wing Slat Bush 1#/acre

Yes  No Access road will be rehabilitated and reseeded using the same seed mixture as above.

Yes  No Access road will remain for landowner's use.

Other requirements: \_\_\_\_\_  
\_\_\_\_\_

Landowner

Name: Frank Spadafore  
Address: Route 3, Box 274  
City: Montrose  
State: Colorado  
Telephone: (303) 249-9745  
Date: November 28, 1978

Operator/Lessee

Name: The Anschutz Corporation  
Address: 555-17th Street, Suite 2400  
City: Denver  
State: Colorado  
Telephone: (303) 825-6100  
Date: November 28, 1978

Yes  No I certify rehabilitation has been discussed with the surface owner. \_\_\_\_\_

Peter B. Doty

This agreement covers rehabilitation requirements only and does not affect any other agreements between the lessee/operator and surface owner.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

\*\* FILE NOTATIONS \*\*

Date: Dec. 27  
Operator: Amesbury Corp.  
Well No: Fed. 258-#17  
Location: Sec. 5 T. 18S R. 24E County: Grand

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

API NUMBER: 43-019-30481

CHECKED BY:

Administrative Assistant [Signature]

Remarks: OK - fits C-3

Petroleum Engineer [Signature]

Remarks:

Director \_\_\_\_\_

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:  Survey Plat Required:

Order No. \_\_\_\_\_ Surface Casing Change   
to \_\_\_\_\_

Rule C-3(c), Topographic exception/company owns or controls acreage  
within a 660' radius of proposed site

O.K. Rule C-3  O.K. In \_\_\_\_\_ Unit

Other:

Letter Written/Approved



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
December 27, 1978

I. DANIEL STEWART  
Chairman

CLEON B. FEIGHT  
Director

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

The Anschutz Corporation  
555 - 17th Street  
Suite 2400  
Denver, Colorado 80202

Re: Well No's:  
Federal 258 - #7,  
Sec. 5, T. 18 S, R. 24 E,  
Federal 350 - #3  
Sec. 4, T. 18 S, R. 24 E,  
Grand County, Utah

Gentlemen:

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

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

PATRICK L. DRISCOLL - Consultant  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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: 258-#7: 43-019-30481;  
350-#3: 43-019-30482.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey

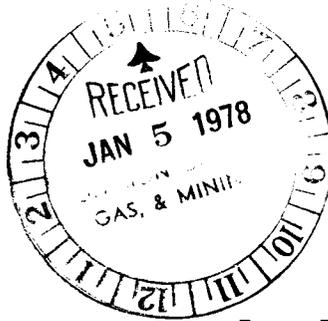


Utah O+G  
file

2400 ANACONDA TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620

January 2, 1979

Mr. Edgar Guynn  
District Engineer  
U. S. Geological Survey  
8440 Federal Building  
Salt Lake City, Utah 84138



Re: Federal 258 No. 7  
SE NW, Sec. 5, T.18S-R.24E  
Grand County, Utah

Dear Mr. Guynn:

Enclosed are four copies of the APD package for the referenced location and four copies of a supplement to the Multi-point Requirements per your suggestion.

If the supplement is not sufficient to complete the package, please contact us and we will furnish the required information.

Thank you.

Very truly yours,

PBD

Peter B. Doty  
Operations Coordinator

PBD/mle  
Enclosures:

SUPPLEMENT

EXHIBIT "D"

MULTI-POINT REQUIREMENT TO ACCOMPANY APD

ATTACHED TO FORM 9-331-C

THE ANSCHUTZ CORPORATION  
FEDERAL 258 No. 7  
2093' FWL - 1751' FNL  
SEC. 5, T.18S-R.24E  
Grand County, Utah

1. Existing Roads

- B. A map showing the route and distance from the nearest town or locatable reference point to where well access route leaves main road is attached as Attachment "A".

2. Planned Access Roads

- (5) There will be no culverts used in this road as low water crossings are preferable in this locality.

Cut and fill information for the proposed  $\pm$  3300' access road is enclosed as Attachment "B".

4. Location of Existing and/or Proposed Facilities.

- A. Within a one mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1), (2) A tank battery and production facilities are located at the Federal 258 No. 1 location indicated on Exhibit "E". A sketch of these facilities is shown on Exhibit "H".

(4), (5), (6) No gas gathering, injection or disposal lines within a one mile radius are owned or controlled by the lessee/operator.

- B. In the event of production, new production facilities will be as follows:

(1), (2) All production facilities will remain at the Federal 258 No. 1 location as shown in Exhibits "E" and "H". An oil flowline from this proposed location would follow the access road to the main road and then to the facility at the Federal 258 No. 1.

4. Location of Existing and/or Proposed Facilities (Cont'd)

- (3) Two inch coupled line pipe will be used for the proposed flowline which will also be a surface line to minimize surface disturbance.
- (4) An earthen catchment berm will be placed on the downhill side of the pad to contain any spills of produced liquids. All pits will be fenced and if oil is in the pit overhead flagging will be installed.
- C. Areas no longer required for production operations after the completion of the well will be reclaimed as soon as practical after operations cease. This will be accomplished by recontouring, ripping, seeding and harrowing those areas.

5. Location and Type of Water Supply

- A. Water will be obtained from Sec. 5, T.18S-R.24E, Grand County, Utah from flowing water in Westwater Creek. Arrangements have been made with the owner for purchase of the water.
- B. Water will be trucked on existing roads approximately one mile. No new roads will be required.
- C. No water well will be required.

9. Well Site Layout

- (3) Parking areas are outlined on Exhibit "F".

11. Other Information

- (3) There are no known occupied dwellings in the area of this well.

A historical site is located in NE  $\frac{1}{4}$ , NW  $\frac{1}{4}$ , Sec. 5, T.18S-R. 24 E that being a Robidoux Inscription. A historic ranch is located in the NW  $\frac{1}{4}$ , NE  $\frac{1}{4}$ , Sec. 5, T.18S-R.24E.

An archaeological site is located in SE  $\frac{1}{4}$ , SE  $\frac{1}{4}$ , Sec. 5, T.18S-R.24E. This site was identified by Gordon & Kranzush Inc. and is further identified as a prehistoric site 42GR851.

No other archaeological, historic or cultural sites are known at this time.





2400 ANACONDA TOWER  
555 SEVENTEENTH STREET  
DENVER, COLORADO 80202  
TELEPHONE 303-825-6100  
TWX 910-931-2620



May 15, 1979

Mr. Cleon B. Feight, Director  
Division of Oil, Gas & Mining  
State of Utah  
1588 West, North Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

The following wells have not commenced drilling and have been removed from our active files. Hence we no longer plan upon drilling them.

Federal 335 No. 2  
Federal 335 No. 4  
Federal 4275 No. 1  
Federal 7674 No. 1

The following wells have not yet commenced drilling pending further geological evaluation:

Federal 258 No. 4  
~~Federal 258 No. 7~~  
~~Federal 258 No. 8~~  
Federal 350 No. 1  
Federal 350 No. 2  
Federal 350 No. 3  
State 400 No. 1  
State 404 No. 1  
State 414 No. 1  
Federal 675 No. 3  
State 7265 No. 2  
State 7265 No. 3  
Federal 4076 No. 14-23  
State 920 No. 1

We are sorry if our lack of correspondence has created an inconvenience for you.

Very truly yours,

  
Peter B. Doty  
Operations Coordinator

PBD:jp

P.S. Enclosed are the forms you requested on the Federal 675 No. 2.



2400 ANSCHUTZ TOWER • 555 SEVENTEENTH STREET • DENVER, COLORADO 80202 • 303-825-6100 • TWX 910-931-2620

July 3, 1979

Mr. Cleon B. Feight, Director  
Division of Oil, Gas & Mining  
State of Utah  
1588 West, North Temple  
Salt Lake City, Utah 84116

Dear Mr. Feight:

The following wells have not commenced drilling and have been removed from our active files. Hence we no longer plan upon drilling them.

Federal 335 No. 2  
Federal 335 No. 4  
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Federal 350 No. 1  
Federal 350 No. 2  
Federal 350 No. 3  
State 400 No. 1  
State 404 No. 1  
State 414 No. 1  
Federal 675 No. 3  
State 7265 No. 2  
State 7265 No. 3  
Federal 4076 No. 14-23  
State 920 No. 1

We are sorry if our lack of correspondence has created an inconvenience for you.

Very truly yours,

  
Peter B. Doty  
Operations Coordinator

PBD:jp



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

CLEON B. FEIGHT  
*Director*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
November 14, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
*Chairman*

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

Anschutz Corp.  
2400 Anaconda Tower 555 17<sup>th</sup> Street  
Denver Colo,  
80202

RE: See Attached Sheet For  
Well Information.

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. As of the above date we are suspending approval of these applications pending notification as to what you are doing so each well. Since approval has already been obtained a new application will not be necessary if you decide to drill, but we will require a letter stating the date you intend to spudd-in.

Your prompt attention will be greatly appreciated.

Very truly yours,  
DIVISION OF OIL, GAS, AND MINING

*Debbie Beauregard*  
DEBBIE BEAUREGARD  
CLERK-TYPIST

CC: U.S. Geological Survey

ATTACHMENT, WELLS.

- 1) Fereral 258 No. 7
- 2) Fereral 258 No. 8
- 3) Federal 350 No. 1
- 4) Federal 350 No. 2
- 5) Federal 350 No. 3
- 6) State 400 No. 1
- 7) State 402 No. 1
- 8) State 404 No. 1
- 9) State 414 No. 1
- 10) State 7265 No. 2
- 11) State 7265 No. 3
- 12) State 920 No. 1
- 13) Federal 675 No. 3
- 14) Federal 4076 No. 14-23
- 15) State 915 No. 1
- 16) Federal 258 No. 4



2400 ANACONDA TOWER · 555 SEVENTEENTH STREET · DENVER, COLORADO 80202 · 303-825-6100 · TWX 910-931-2620

November 26, 1979

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116

Re: Your letter dated 11-14-79  
Well Information.

Attention: Debbie Beauregard

Debbie:

In reference to your letter of November 14, 1979, pertaining to the notification of spudding for 16 wells that you had on an attached list. We are no longer operator for these wells, and therefore have not sent you the notification, as these belong to ~~Texoma Production Company~~. The information that you request will have to come from Texoma Production Company.

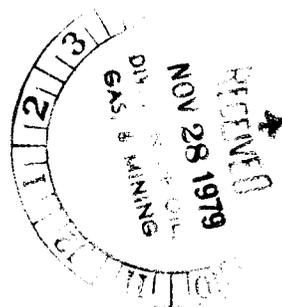
We will forward a copy of your letter to Texoma Production Co., and a copy of our letter, to you, so that they can comply with your request. Thank you.

Very truly yours,

Wayne C. Pierce  
Production Manager

WCP:amc

CC: Texoma Production Company  
U. S. Geological Survey



ATTACHMENT, WELLS.

- 1) Fereral 258 No. 7
- 2) Fereral 258 No. 8
- 3) Federal 350 No. 1
- 4) Federal 350 No. 2
- 5) Federal 350 No. 3
- 6) State 400 No. 1
- 7) State 402 No. 1
- 8) State 404 No. 1
- 9) State 414 No. 1
- 10) State 7265 No. 2
- 11) State 7265 No. 3
- 12) State 920 No. 1
- 13) Federal 675 No. 3
- 14) Federal 4076 No. 14-23
- 15) State 915 No. 1
- 16) Federal 258 No. 4