

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed *2/11/79*

OW..... ✓ WW..... TA.....

*S*IGW... ✓ OS..... PA.....

Location Inspected

Bond released

State or Fee Land

LOGS FILED

Driller's Log..... ✓

Electric Logs (No.) ✓

E..... I..... Dual I Lat..... GR-N..... Micro.....

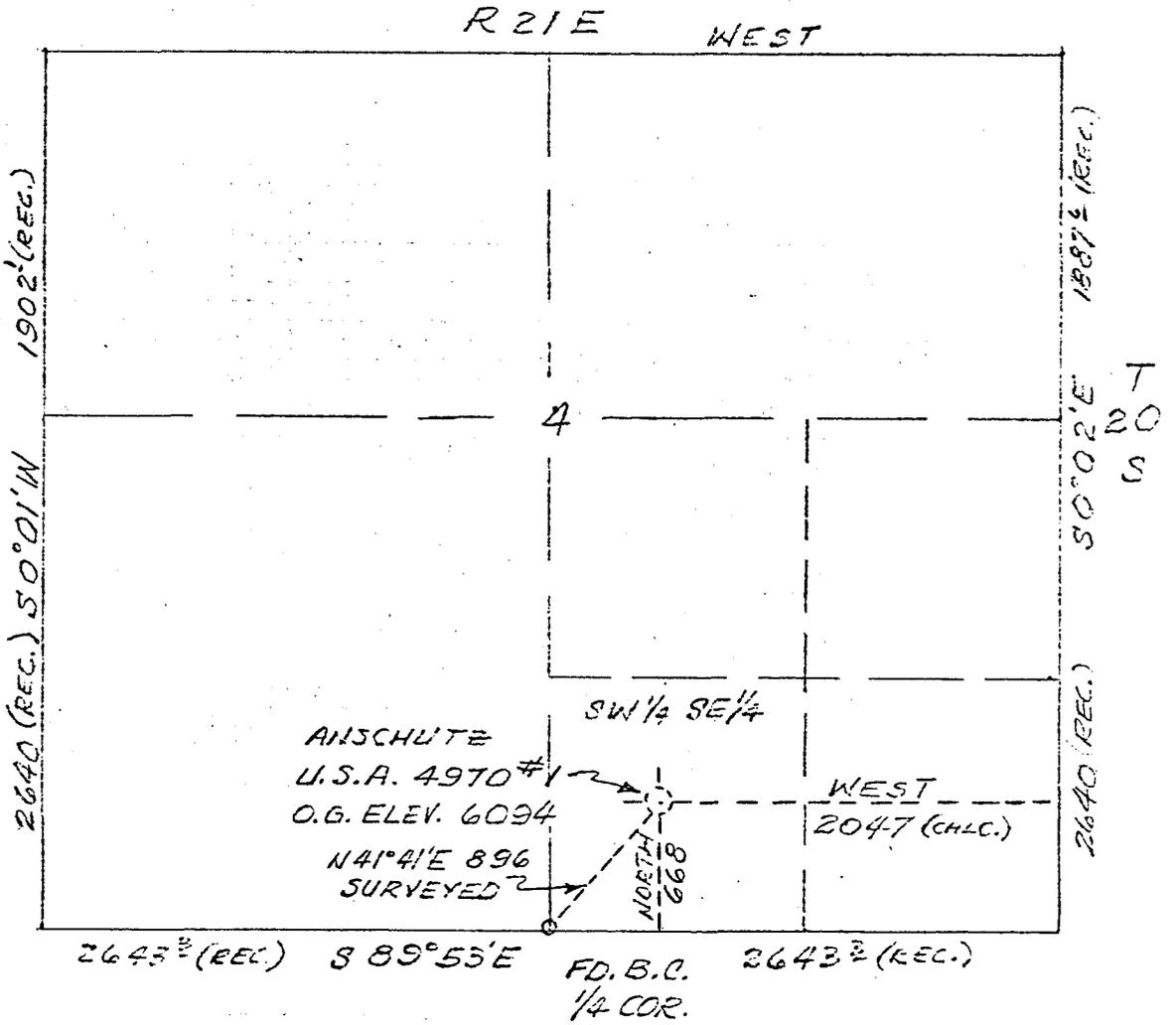
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....

CRLog..... CCLog..... Others.....

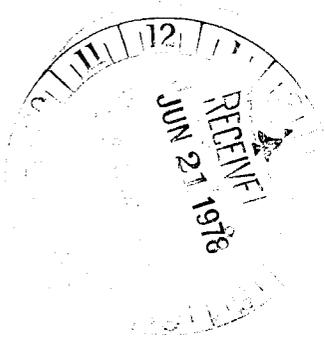
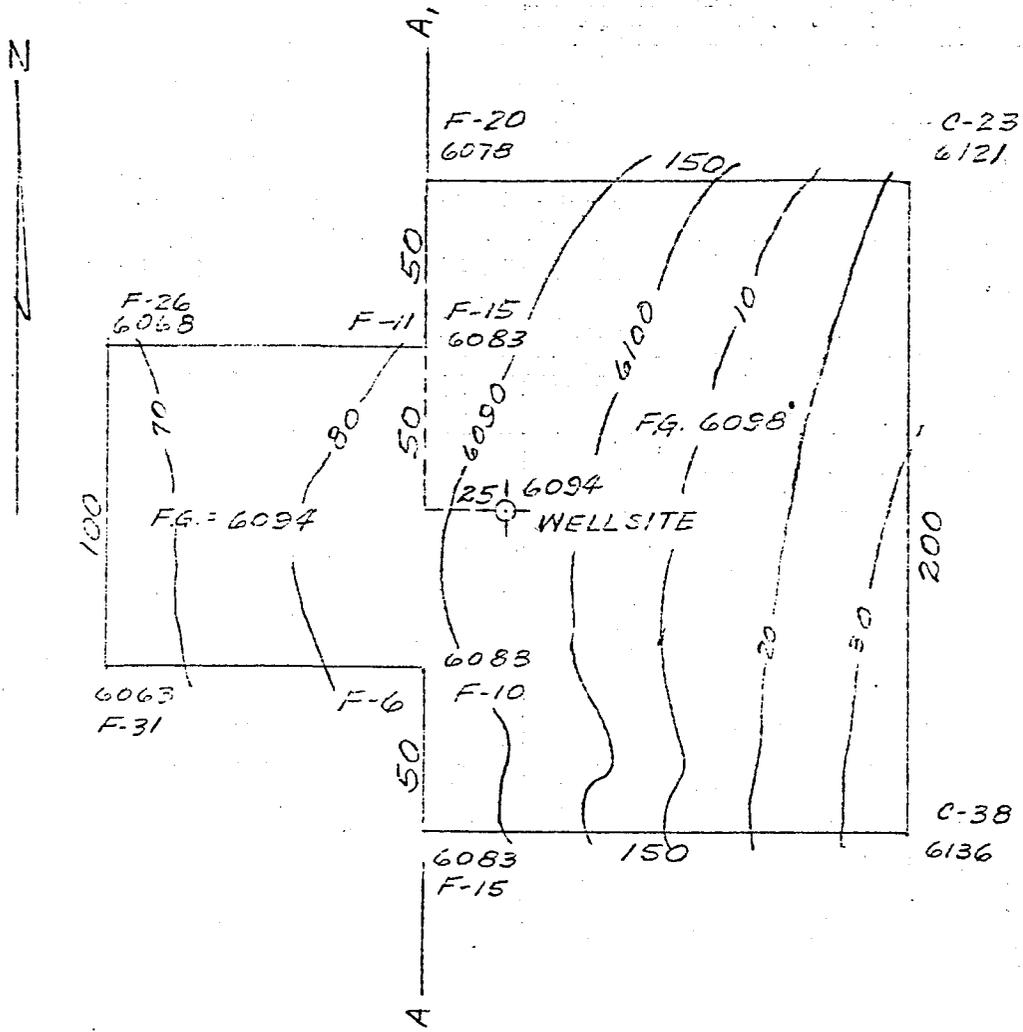
Shut in go. well - 4/1/79 •
8-3-79 - Operations sold to: Narmco, Inc.

WELL LOCATION FLAT

Z
ERRORS FROM SURVEY OBSERVATION



MAP SHOWING SITE & TIME TO WHICH BOUND
DRILLING PAD & RESERVE PIT
MUSCHTIZ U.S.A. 4370 191
668 F.S.L. & 2047 F.E.L. SEC. 4, T20S, R21E
GRAND COUNTY, UTAH



The Anschutz Corporation

13 Point Surface Use Plan

for

Well Location

USA 4970

Section 4, T20S, R21E

Grand County, Utah

1. Existing Roads

See attached Topographic Map "A".

To reach The Anschutz Corporation well site located in the Southeast quarter of Section 4, T20S, R21E, proceed Southwest from Cisco, Utah 3 miles to Windy Mesa Road; turn northwest for approximately 13 miles. Turn north on Bull Canyon Road 3/4 of a mile to a sharp turn southeast approximately 1/2 mile to the end of the road at the old location. Turn due north 1000'.

Grading will have to be done on the road leaving Bull Canyon. A minimum amount of work on the rest of the roads.

2. Planned Access Road

See attached Topographic Map "A".

There will be approximately 1000' of new access road constructed to The Anschutz Corporation USA 4079. The proposed access road will be an 18' crown road with 9' either side of the proposed road where it is determined necessary in order to handle any runoff from normal meteorological conditions prevalent in this area.

The grade of this road will vary from flat to 3% but will not exceed this amount. The road will be constructed from native borrow accumulated during construction. The terrain to be traversed by this road is hilly and vegetated with sparse amounts of sagebrush, grasses and pinions.

3. Location of Existing Wells

As shown on Topographic Map "A" there are 3 wells within a one mile radius of the proposed location.

Anschutz # 1 Federal 104 Sec. 3, T20S, R21E
1 Federal 675 Sec. 9, T20S, R21E
2 Federal 675 Sec. 9, T20S, R21E

4. Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines

All petroleum production facilities are to be contained within the proposed location site. There are no other Anschutz Corporation flow, gathering, injection or disposal lines within a one mile radius of this location.

In the event production is established, plans for a gas flow line from this location to existing lines or a main production flow line shall be submitted to the appropriate agencies for approval.

5. Location and Type of Water Supply

Water used to drill this well will be hauled from Westwater Creek. No new roads will have to be constructed for access.

6. Source of Construction Materials

All construction materials for this location site and access road shall be barrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time.

7. Method for Handling Waste Disposal

Drill cuttings will be buried in the reserve pits when covered. Drilling fluids will also be handled in the reserve pits. Any hydrocarbons produced while drill or stem production testing will be collected in a test tank set near the pipe baskets or near the well head. A portable chemical toilet will be supplied for human waste. Garbage, wastes, and non-flammable waste salts and other chemicals produced or used during drilling or testing will be handled in the reserve pits, or kept in the trash or burn pits. Chicken wire will be used to cover the trash pit if blowing is a problem. The reserve pits, in addition to the trash or burn pits, will be fenced on three sides during drilling operations, and iron or other posts and wire fencing will be available on location immediately upon cessation of drilling and the fourth side of the reserve pits 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 the rig moves off the location.

8. Ancillary Facilities

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. Wellsite Layout

See attached location layout plat. The BLM Management District Manager or other appropriate agencies will be notified before any construction begins on the proposed location site. When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. Plans for Restoration of Surface

As there is some topsoil in the area, all top soil will be stripped and stockpiled prior to drill activities in the well site only (see #9). When all production activities have been completed, the location site, access road, and flowline route will be reshaped as nearly as possible to the original contour, prior to the construction, and the top soil on the location only spread over the disturbed area. Any drainage rerouted during the construction and production activities shall be restored to the original line of flow.

All additional wastes being accumulated during production activities and contained on the reserve pit and trash pit shall be buried with a minimum 4' of cover. The location site, access road and flowline routes shall be reseeded with a seed mixture recommended by the BLM District Manager when the moisture content of the soil is adequate for germination.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days. The lessee further covenants and agrees that all of said cleanup and restoration activities shall be done with the above mentioned Items No. 7 and 10.

11. Other Information

The topography of the general area is mountainous.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and extremely heavy rainstorms of long duration which are extremely rare. The normal rainfall in the area is 8-10".

The soils in this semi-arid area consist of light brownish-gray clays to sandy soils with poorly graded gravels. Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area. The top soils in the area range from sandy clay to clayey soils.

Due to the low precipitation average climate conditions and the marginal types of soil the vegetation that is found in the area is common of the semi-arid region we are located in. In the lower elevations it consists of juniper and pinion pine forests as the primary flora with areas of sagebrush, rabbit brush, some grasses and cacti.

The fauna of the area consist mainly of mule deer, coyote, rabbit and varieties of small ground squirrels and other types of rodents.

The area is used by man primarily for grazing sheep and cattle. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

The immediate area surrounding the location site is vegetated with predominantly juniper and pinion pine trees with sparse amounts of sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological historical or cultural sites within any reasonable proximity of the proposed location site.

12. Lessee's or Operator's Representative

Peter MacDowell
Resource Marketing Services, Inc.
821 17th Street
Denver, Colorado 80202

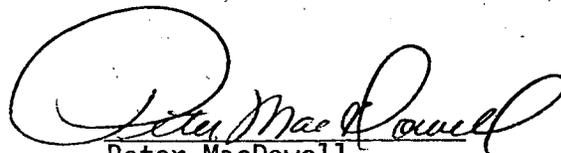
(303)892-9185 Business
(303)773-3020 Home

Mr. Wayne Pierce
The Anschutz Corporation
1110 Denver Club Building
Denver, Colorado 80202

(303)573-5665 Business
(303)794-3860 Home

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 operation proposed herein will be performed by The Anschutz Corporation and its contractors and subcontractors in conformity with the plan and terms and conditions under which it is approved.


Peter MacDowell

The Anschutz Corporation

Ten Point Resource Protection Plan

Well:	USA 4970
Location:	Section 4, T20S, R21E
County and State:	Grand County, Utah
Federal Lease Number:	U-014970

1. The geological name for the surface formation is the Green River formation of Middle Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 6094' are as follows:

Mancos	Surface
Base Dakota Silt	3390'
Dakota Sand	3470'
Cedar Mountain	3520'
Morrison	3600'
Salt Wash	3730'
Summerville	4130'
Total Depth	4180'

3. Of the formations listed above, it is anticipated that the Dakota Sand, Cedar Mountain, Morrison and Salt Wash may be gas bearing in this well.
4. The proposed casing program for completion of this well will consist of 4-1/2" 9.5# new casing. The 8-5/8" casing will be new.
5. The operator minimum specifications for pressure control equipment are as follows:

A 10" Double Ram Hydraulic Unit with a closing unit will be utilized. Additionally, while air drilling a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily.
6. It is proposed that the hole will be drilled to Total Depth using air and mist as necessary in order to clean the hole.
7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the bit.
8. No coring or drill stem testing has been scheduled for this well. The logging program will consist of a dual induction laterolog, borehole compensated sonic log and a compensated neutron formation density log.

9. It is not anticipated that any abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H₂S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately August 1, 1978 and that the operations will last two weeks.

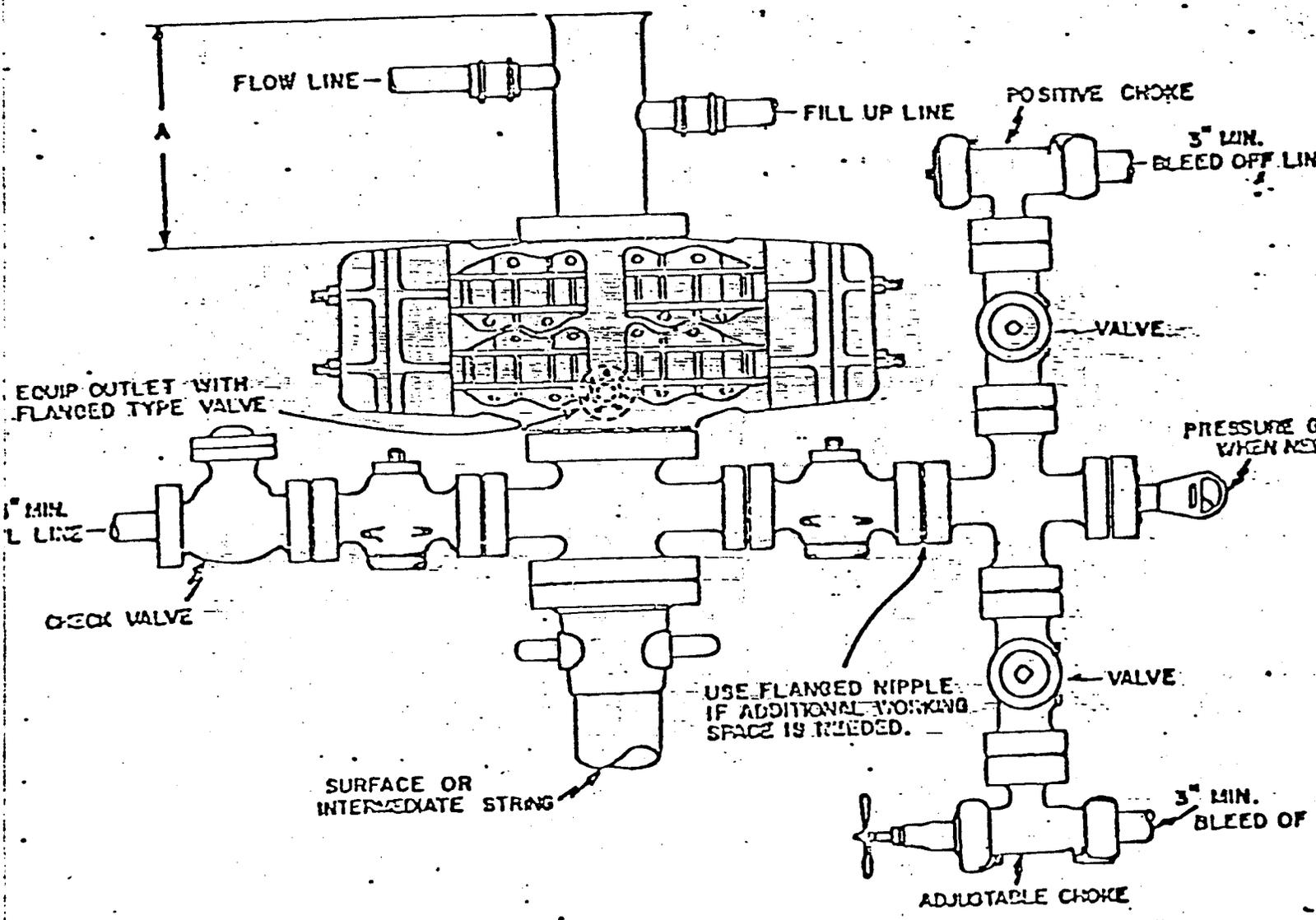
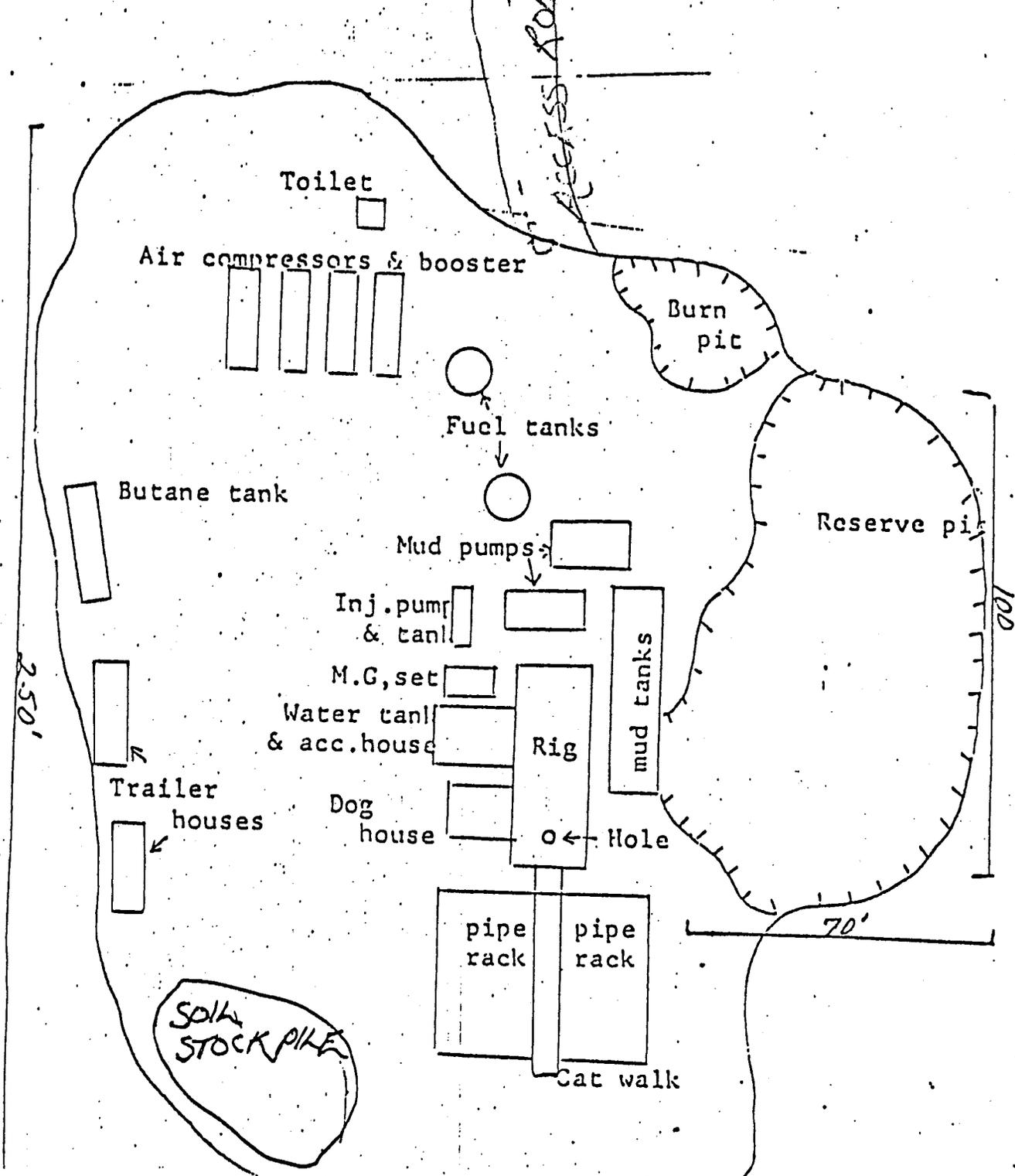


EXHIBIT - A

Rig Layout
Scale 1" = 35'

USA 4970
Section 4, T20S, R21E
Grand County, Utah



Production Facility

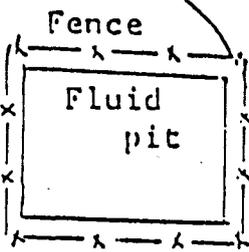
USA 4970

Section 4, T20S, R21E
Grand County, Utah

Tank battery (if oil)

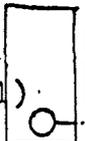


Dehydrator (if gas)
Heater-treater (if oil)



Flow line (buried)

Pump jack (if oil)



Well head

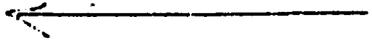
Fence

Fluid pit

Gas lift

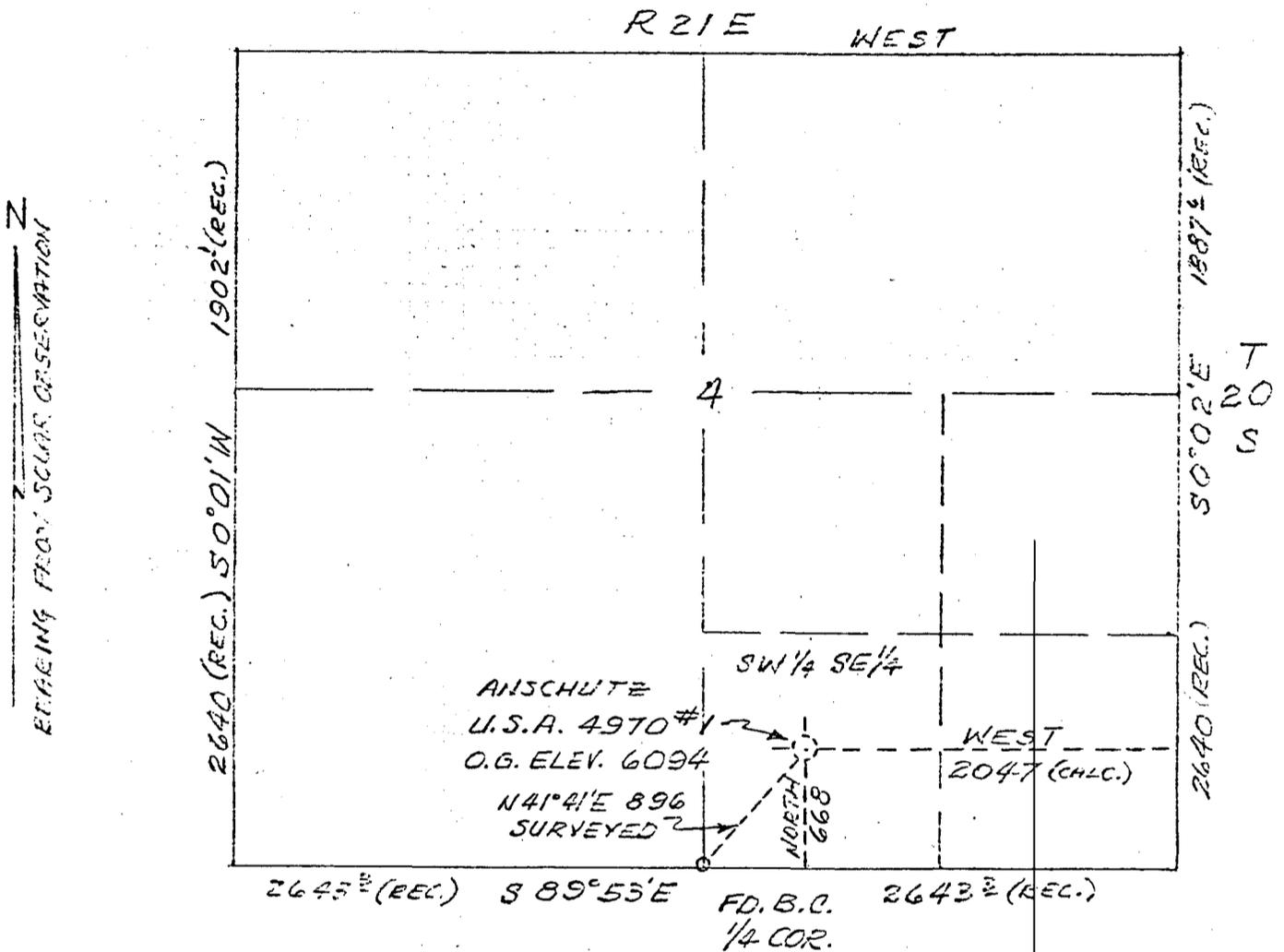


N



Section 4

WELL LOCATION PLAT



ELEVATION BY VERTICAL ANGLES
 FROM U.S.G.S. TOPO. QUAD. "SEGO CANYON, UTAH," 1962
 (S 1/4 COR. SEC. 4 = 5920)

ANSCHUTZ U.S.A. 4970 #1 WELL LOC.
 IN SW 1/4 SE 1/4, SEC. 4, T20S, R21E, S.L.E&N.
 G.P. F.S.L. & 2047 1/2 SEC. 4
 GRAND COUNTY, UTAH
 FOR: ANSCHUTZ CORP.
 SCALE: 1"=1000' JUNE 1, 1975
 TELLER & DISTANCE METER SURVEY

John C. Beach
 UTAH REG. L.S. # 1962

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah 84111
SERIAL No.: U-14970 KGS

and hereby designates

NAME: The Anschutz Corporation
ADDRESS: 1110 Denver Club Building, Denver, Colorado 80202

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

Township 20 South, Range 21 East
Section 4: SW $\frac{1}{4}$ SW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$

Containing 280.00 acres, more or less
Grand County, Utah

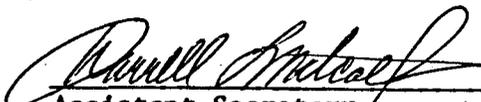
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

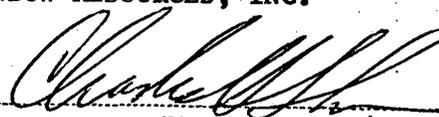
In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.
This instrument may be signed in counterpart.

ATTEST:

RAINBOW RESOURCES, INC.

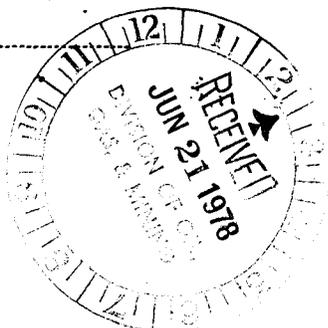

Assistant Secretary

By: 
(Signature of lessee)

Charles A. Shear, Vice-President
4704 Harlan Street, #10 Lakeside Lane
Denver, Colorado 80212

March 23, 1978
(Date)

(Address)



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SW SE

** FILE NOTATIONS **

Date: June 26 -

Operator: Auschutz Corp.

Well No: Fed. USA - #1970-1

Location: Sec. 4 T. 20S R. 21E County: Graud

File Prepared:
Card Indexed:

Entered on N.I.D.:
Completion Sheet:

API NUMBER: 43-019-30449

CHECKED BY:

Administrative Assistant [Signature]

Remarks: Oil - fits Order - oil only

Petroleum Engineer _____

Remarks: _____
Director [Signature]

Remarks: _____

INCLUDE WITHIN APPROVAL LETTER:

Bond Required:
Order No. 102-12

Survey Plat Required:
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: _____

Oil Only

Letter Written/Approved

June 30, 1978

The Anschutz Corporation
1110 Denver Club Building
Denver, Colorado 80202

Re: Well No. USA4970 - #1
Sec. 4, T. 20 S, R. 21 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 the Order issued in Cause No. 102-12, for completion as an oil well only.

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

PATRICK L. DRISCOLL @ Chief Petroleum Engineer
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 43-019-30449.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-014970

OPERATOR: The Anschutz Corporation

WELL NO. USA 4970

LOCATION: ¼ SW ¼ SE ¼ sec. 4, T. 20S, R. 21E, SLM

Grand County, Utah

1. Operator predicted stratigraphy and predicted hydrocarbon zones are adequate? yes
 If not, USGS predictions are:

2. Fresh water aquifers probable below surface casing? possible Thin lenticular sandstones in the Mancos shale may contain useable (?) water at depths of less than 500'.

3. Other probable leasable minerals? no.

4. Are hazardous fluids or gases likely? none anticipated by operator

5. Are abnormal conditions of pressure or temperature likely? none anticipated by operator

6. Will any strata penetrated need special mud, casing, or cementing beyond that proposed in the APD? unknown

7. Is additional logging or sampling needed? no.

8. References - remarks: USGS Files, Salt Lake City, Utah

Is location within 2 miles of a KGS? yes. Within Bull Canyon KGS

Signature: Candace C. Clark

Date: 7/3/78

1. The geological name for the surface formation is the Green River formation of Middle Eocene Age.
2. The estimated tops of important geological markers with depths calculated from an estimated RKB elevation of 6094' are as follows:

Mancos	Surface
Base Dakota Silt	3390'
Dakota Sand	3470'
Cedar Mountain	3520'
Morrison	3600'
Salt Wash	3730'
Summerville	4130'
Total Depth	4180'

3. Of the formations listed above, it is anticipated that the Dakota Sand, Cedar Mountain, Morrison and Salt Wash may be gas bearing in this well.
4. The proposed casing program for completion of this well will consist of 4-1/2" 9.5# new casing. The 8-5/8" casing will be new.
5. The operator minimum specifications for pressure control equipment are as follows:

A 10" Double Ram Hydraulic Unit with a closing unit will be utilized. Additionally, while air drilling a Series 900 Rotating Head will be used. Pressure tests of BOP's to 1000# will be made after installation and operation and will be checked daily.
6. It is proposed that the hole will be drilled to Total Depth using air and mist as necessary in order to clean the hole.
7. Auxiliary equipment to be used will be a Kelly Cock and a Float at the bit.
8. No coring or drill stem testing has been scheduled for this well. The logging program will consist of a dual induction laterolog, borehole compensated sonic log and a compensated neutron formation density log.

9. It is not anticipated that any abnormal pressures or temperatures will be encountered nor that any other abnormal hazards such as H₂S gas will be encountered in this area.
10. It is anticipated that this well will be commenced approximately August 1, 1978 and that the operations will last two weeks.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U=014970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

2. NAME OF OPERATOR
The Anschutz Corporation

3. ADDRESS OF OPERATOR
1110 Denver Club Building Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 668' FSL, 2047' FEL Section 4, T20S, R21E

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

USA 4970

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 4, T20S, R21E

14. PERMIT NO.

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

6094' ungr.

12. COUNTY OR PARISH 13. STATE

Grand 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

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other) _____

(Other) _____

(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.)*

It is proposed to drill this well to a total depth of 4230' through the Entrada. This is a revised total depth from the original application to drill which indicated a total depth of 4180'

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE: July 18, 1978

BY: P. H. Ansell

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

SIGNED William C. Boie

TITLE _____

DATE July 10, 1978

(This space for Federal or State office use)

APPROVED BY _____

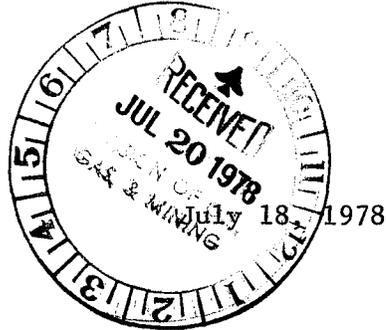
TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:



1110 DENVER CLUB BUILDING
518 SEVENTEENTH STREET
DENVER, COLORADO 80202
TELEPHONE 303-573-5665
TWX 910 931 2620



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

Re: USA 4970 No. 1
Sec. 4, T.20S-R.21E
Grand County, Utah

Dear Mr. Feight:

Enclosed please find a copy of our agreement for the East Willow Creek Unit and a plat thereof, as requested by your secretary. It is our belief that this agreement will allow us to complete the 4970 No. 1 well as either an oil well or a gas well and not as an oil well only, as you described in your letter of June 30, 1978.

Please review and advise us of your findings.

Cordially yours,

Peter B. Doty
Operations Coordinator

PBD/mle
Enclosures

August 2, 1978

The Anschutz Corporation
1110 Denver Club Building
518 Seventeenth Street
Denver, Colorado 80202

Re: Well No. USA 4970 - #1
Sec. 4, T. 20 S, R. 21 E,
Grand County, Utah

Gentlemen:

In reference to your letter of July 18, 1978, pertaining to the drilling of the above well, please be advised that you are correct in your assumption that as said well is located within the boundaries of the "East Willow Creek" unit, the well may be completed for either oil or gas production.

Consequently, please disregard our letter of June 30, 1978, and the requirements therein pertaining to completion of the well for oil production only.

Should you have any questions relative to the above, please do not hesitate to call or write.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

United States Department of the Interior
Geological Survey
8440 Federal Building
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No. U-014970

Operator Anschutz Corporation

Well No. 1

Location 668' FSL & 2047' FEL Sec. 4 T. 20S R. 21E

County Grand State Utah Field un-named

Status: Surface Ownership Public Minerals Federal

Joint Field Inspection Date August 28, 1978

Participants and Organizations:

<u>George Diwachak</u>	<u>USGS-SLC</u>
<u>Rocky Curnutt</u>	<u>BLM-Moab, Utah</u>
<u>Pete Doty</u>	<u>Anschutz</u>
<u>Kathy Patterson</u>	<u>Resource Marketing Services, Inc.</u>
<u>Leonard Lewis</u>	<u>Contractor</u>
<u> </u>	<u> </u>

Related Environmental Analyses and References:

- (1) Unit Resource Analysis--Book Mountain Planning Unit-(06-01)-BLM-Moab, Utah
- (2)

Analysis Prepared by:

~~XXXXXXXXXXXX~~ George Diwachak
Environmental Scientist
Salt Lake City, Utah

Date Sept. 6, 1978

NOTED JOHN T. EVANS, JR.

9/8/78

Note: Potential for
reserve pit
feature

Note for Cond
to
9/8/78
APP

Drill pad 200 x 250
Reserve pit 60 x 125
2 mi new access
Upgrade 2 mi.

Stockpile top soil
Careful construct.
9 site a must
Guidelines proposed
in this FA
Special rehab
measures incl.

Cond. of Appr.

Proposed Action:

On June 21, 1978, The Anschutz Corporation filed an Application for Permit to Drill the No. 1 exploratory well, a 4,180-foot gas test of the Dakota Sand, Cedar Mountain, Morrison and Salt Wash formations; located at an elevation of 6,094 feet in an un-named field on Federal mineral lands and Public surface; Lease No. U-014970. As an objection was raised to the well-site, it was adjusted in size. As an objection was raised to the access road, the width was changed. *668' FSL & 2047' FEL Sec 4-20S-21E, S10&M Grand Co., Utah*

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventer would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the U.S.G.S. District Office in Salt Lake City, Utah and the U.S.G.S. Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 200 feet wide by 250 feet and a reserve pit 60 feet by 125 feet. A new access road will be constructed 18 feet wide by 0.2 miles long with a maximum of 3 feet on either side allowed for runoff, and upgrade 0.2 miles by 18 feet wide access road from an existing and improved road.

The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line will be submitted to the appropriate agencies for approval. The anticipated starting date is as soon as APD is approved and duration of drilling activities would be about 15 days.

Location and Natural Setting:

The proposed drillsite is approximately 24 miles north of Thompson, Utah, the nearest town. A fair road runs to within 0.4 miles of the location. This well is a wildcat in an un-named field.

Topography:

The proposed location is situated on a terraced, relatively steep canyon side. Area topography consists of the rugged dissected canyons hills and valleys characteristic of the Book Cliffs.

Geology:

The surface geology is Mancos Formation. The soil is sandy loam with rock outcrops. No geologic hazards are known near the drillsite. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals.

In the event the well is abandoned, cement plugs will be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the ~~sandstone~~^{sandstone} units. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geological review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The piñon, juniper association is also present.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface.

Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 2 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to lease, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty. Air mass inversions are rare.

The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

Surface water drainage is toward Nash Wash, a non-perennial tributary of Pinto Wash which flows to the Colorado River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem.

The proposed project should have minor impact on the surface water systems.

The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during the rotary drilling operations. The potential for communication, contamination and commingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basis information as all shows of fresh water would (5) be reported.

Water production with the gas would require disposal of produced water per the requirements of NTL-2B.

The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. There would be no tangible effect on water migration in fresh water aquifers. The pits would be lined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

Vegetation:

The vegetation of the proposed location and surrounding area is of the piñon-juniper association and consists of piñon, juniper, sagebrush, shadscale, cacti, and sparse grasses.

Proposed action would remove about 2 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing. The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to habitat on the project area. The fauna of the area consists predominantly of the mule deer, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required

prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County, but should this well discover a significant new hydrocarbon source, local, state and possible national economics might be improved. In this instance, other development wells would be anticipated with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possible the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

Land Use:

The land is used for wildlife and stock grazing.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit (06-01). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserve pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternatives to the Proposed Action:

1. Not approving the proposed permit--The Oil and Gas Lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under U.S.G.S. and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

2. Minor relocation of the wellsite and access road or any special restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

The proposed drilling location is situated on the side of a terraced, relatively steep, sloped canyon wall, (see attached map). The fact that the slope is terraced is the only thing avoiding an unusual environmental analysis. Improper construction practices could cause major impacts to the area, therefore, the operator must make a conscientious effort to use the utmost care in construction of the drill pad and access road.

The following guidelines must be followed in order that impacts can be mitigated:

1. The new and upgraded access roads shall be no larger than 18 feet wide with 3 feet allowed on either side for construction of drainage ditches.
2. If the well is a producer, culverts will be necessary on the drainages crossing the access road with needs determined by the surface managing agency.
3. The pad must be rotated 15 to 20⁰ east of north and the reserve pit size adjusted to 60 feet X 125 feet X 12 feet to avoid encroachment to a major drainage on the north edge of the proposed drill pad.
4. Since it will be constructed of fill material, the reserve pit must be lined with an impervious material to avoid possible percolation.
5. Any construction must remain a minimum of 40 feet from the edge of the terrace (bench) rim located on the downhill (west) side of the proposed location. Occasional disturbances to the vegetation of the bench will occur from equipment traffic during construction and rehabilitation, however; they cannot be avoided as the area is needed to turn equipment around.
6. The site should be constructed uphill, that is, vegetation and topsoil stockpiles should be on the east or uphill side of the pad.
7. A berm (2-3 feet) should be constructed on the uphill side of the pad to divert any surface water drainage.
8. Any fracturing of the well must occur after the drilling rig moves off the location as the size of the pad cannot accommodate all such equipment.

Special rehabilitation measures that must be considered are:

1. In the event that the well is a producer, all areas not needed for maintenance should be restored with at least vegetation to help stabilize soils.
2. Final rehabilitation should consist of no less than a 3 to 1 slope on the uphill side with a crown to divert drainage to the north and south sides of the disturbance.
3. The area should then be contoured along topographic lines as restoration proceeds downhill.
4. Revegetation will require plugging or the planting of seedlings in addition to seeding to immediately begin stabilization of the slope.

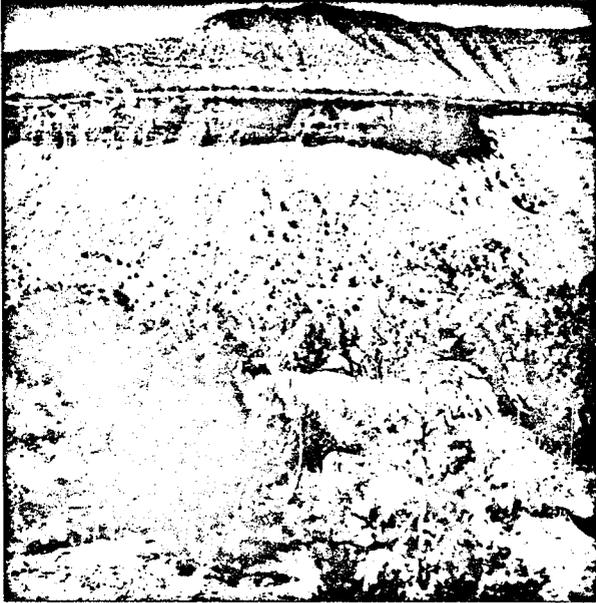
It will be impossible to restore the site to the original contour due to the steepness of the slope. (See attached map) Furthermore, over a period of time, some slumping of the hill can be expected as the materials settle. Finally, the operator objected to moving the site (except for east or uphill) due to geologic reasons. It is recommended that support be given in writing to keep the site at the proposed location.

Adverse Environmental Effects Which Cannot Be Avoided:

Surface disturbance and removal of vegetation from approximately 2 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to the Nash Wash would exist through leaks and spills. *Potential for reservoir pit failure.*

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense fo NEPA, Sec. 102 (2)(C).



E. W. Sweeney

District Engineer
U.S. Geological Survey
Conservation Division
Oil And Gas Operations
Salt Lake City District



Anschutz
1 U-014970
Edge of Location
Facing West
(Downhill)

Anschutz
1 U-014970
Edge of Location
Facing EAST
(Uphill)

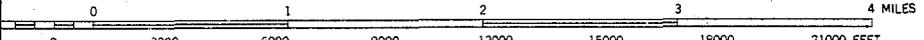


ANSCHUTZ Location A-A
#1 U-014970 Access Rd. B-B'
Facing N



(THOMPSON)
40611

SCALE 1:62500



CONTOUR INTERVAL 80 FEET

1:62500

● INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D. C.

R. 21 E. R. 22 E. 6280000 N.

ROAD CLASSIFICATION

Light-duty Unimp

State Route

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
1110 Denver Club Building Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 668' FSL, 2047' FEL Section 4, T20S, R21E

At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
24 miles from Thompson, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 668'

16. NO. OF ACRES IN LEASE 674.7

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3787'

19. PROPOSED DEPTH 4180'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6094' gr.

22. APPROX. DATE WORK WILL START*

23. 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"	24#	200'	200 sacks
6-3/4"	4-1/2"	9.5#	4180'	200 sacks

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

NOTICE OF APPROVAL

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 Operations Coordinator DATE September 12, 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY WJ Mott TITLE ACTING DISTRICT ENGINEER DATE SEP 12 1978
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

NECESSARY FLARING OF GAS DURING
DRILLING AND COMPLETION APPROVED
SUBJECT TO ROYALTY (NTL-4)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Utah O+G Comm. 15
Form approved,
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

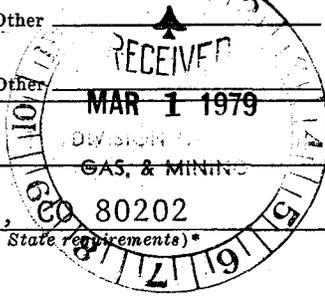
1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other

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

2. NAME OF OPERATOR
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 668' FSL 2047' FEL SWSE
At top prod. interval reported below
At total depth



5. LEASE DESIGNATION AND SERIAL NO.
U-14970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
USA 4970

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 4, T.20S, R.21E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 9-26-78 16. DATE T.D. REACHED 10-14-78 17. DATE COMPL. (Ready to prod.) 2-1-79 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 6104' KB 6094' GR 19. ELEV. CASINGHEAD 6094'

20. TOTAL DEPTH, MD & TVD 4206' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Surface-TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 3432-3748 Salt wash-Morrison 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DILL, FDC/CNL/GR 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"		190	12 3/4"	250 sx	-0-
4-1/2"		4200	6-3/4"	150 sx	-0-

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

3432-3440,	2 SPF
3540-3556,	2 SPF
3738-3748,	2 SPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3738-3748	3000 gals acid
3540-3556	5000 gals acid
3432-3440	5000 gals acid
3432-3440	1000 gals acid

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1-23-79	14	1 1/2"		-0-	1103	-0-	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
42	360		-0-	1891	-0-	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY J. N. Burkhalter

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 Peter B. Doty TITLE Operations Coordinator DATE 2-26-79

*(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), 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 instruction for items 22 and 24 above.)

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		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MEAS. DEPTH
			TRUE VERT. DEPTH
Dakota	3344	3442	Dakota
Morrison	3520	3780	Morrison
Salt Wash	3780	4150	Salt Wash
Entrada	4150		Entrada
			tite-gas
			gas
			gas
			wet



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

copies

August 3, 1979

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

Dear Jack,

This is to inform you that we have recently sold all of our interests in the South Flank of the Unita Basin and have turned operations of the following producing properties in Grand County to Narmco, Inc.:

<u>Lease</u>	<u>Well</u>	<u>Location</u>
Federal 258	1-A	Sec. 5 T18S, R24E
Federal 258	2	Sec. 5 T18S, R24E
Federal 258	6	Sec. 5 T18S, R24E
Federal 675	1	Sec. 10 T20S, R21E
Federal 104	1	Sec. 4 T20S, R21E
Federal 769	2	Sec. 33 T19S, R21E
<u>USA 4970</u>	<u>1</u>	<u>Sec. 4 T20S, R21E</u> <i>30449</i>

Should any information be required on the above wells or any others which we operated in Grand County, I suggest you contact:

Narmco, Inc. Attn: Paul Hughes
P.O. Box 283
Houston, Texas 77001

If I can be of any further assistance please give me a call.

Sincerely,

Peter B. Doty
Operations Coordinator

PBD/bv
cc: Ed Guynn, USGS, SLC
Jean Laws, USGS, Casper
Jane Henry, USGS, Casper
Mr. Gail Prince, Utah Division of Lands

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 9-329 Rev. Feb 76
OMB 42-RO356

MONTHLY REPORT
OF
OPERATIONS

Operator name change

Lease No. 71-01 74

Communitization Agreement No. N/A
Field Name N/A
Unit Name N/A
Participating Area N/A
County Grand State Utah
Operator ~~TEXOMA PRODUCTION COMPANY~~
(FORMERLY NARMCO, INC. (D/L))

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of
OCTOBER, 19 79

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 259, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (3)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec & 1/4	TWP	RNG	Well Status	Days Prod	Barrels of Oil	MCF of Gas	Barrels of Water	Remarks
4		20S	21E	S.I.					WO Pipeline Connection
	Federal USA			4970-1					

*If none, so state.

Position of production (Lease, Participating Area, or Communitized Area base)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
Produced	-0-	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Abandoned	-0-	-0-	-0-
Plugged or Lost	-0-	-0-	-0-
Plugged or Ventured	-0-	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
Produced on Lease	-0-	-0-	XXXXXXXXXXXXXXXXXXXX
Produced off Lease	-0-	-0-	XXXXXXXXXXXXXXXXXXXX
Surface Pits	-0-	-0-	-0-
Water (Identify)	-0-	XXXXXXXXXXXXXXXXXXXX	-0-
Produced, End of Month	-0-	-0-	-0-
Gravity/STW Content	-0-	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: *Sharon H. Luedtke*

Address: P.O. Box 283 Houston, Tx. 77001

Production Report

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Texoma Production Co.

3. ADDRESS OF OPERATOR
P.O. Box 90996, Houston, TX 77090

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
71-014970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT AGREEMENT NAME
n/a

8. FARM OR LEASE NAME
Federal

9. WELL NO.
4970-1

10. FIELD OR WILDCAT NAME
Bull Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4, 20S-21E

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

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) <u>Change of Operator</u>		

(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.)*

New operator effective 4/1/81:

Buckhorn Petroleum Co.
P. O. Box 5928 T.A.
1625 Broadway, Ste. 1200
Denver, Colo. 80217

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

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

SIGNED Cindy J. Dittell TITLE Chief Prod. Stat. DATE May 12, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
BUCKHORN PETROLEUM CO.

3. ADDRESS OF OPERATOR
P.O. Box 5928 T.A.; Denver, CO 80217

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) 668'FSL & 2047'FEL(SW SE) 4-T20S-R21E
AT SURFACE: Grand County, Utah
AT TOP PROD. INTERVAL: Approx. Same
AT TOTAL DEPTH: Approx. 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) <u>Change of Operator</u>		

5. LEASE
U-14970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
USA 4970

9. WELL NO.
1

10. FIELD OR WILDCAT NAME
Bull Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW $\frac{1}{2}$ SE $\frac{1}{2}$
Sec. 4-T20S-R21E

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

14. API NO.
43-019-30449 6-30-78

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6094' GL; 6104' KB

(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.)*

Effective 7:00 a.m. 11-1-82 Buckhorn Petroleum Co. has sold its interest in the subject well and lease, and relinquished operations thereof to:

MR. J. C. THOMPSON
c/o National Fuel Corp.
1700 Broadway, Suite 1219
Denver, CO 80290
Phone: 303/839-5748

By copy of this notice, we are hereby advising Mr. Thompson of his responsibility to post the appropriate bond and to fulfill all obligations of Operator in accordance with the rules and regulations of the local, state, and federal governing bodies.

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

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

SIGNED Mark E. Weems TITLE Production Engr. DATE December 2, 1982

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Utah 14970

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

2. NAME OF OPERATOR
J. C. Thompson

3. ADDRESS OF OPERATOR
1700 Broadway; Denver, Colorado 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
668' FSL, 2047' FEL
(SW-SE)

7. UNIT AGREEMENT NAME
Willow Creek East

8. FARM OR LEASE NAME
USA 4970

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 4-T20S-R21E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
6094 GR

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>change of operator</u> <input checked="" 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.)*

New operator. (Formerly operated by Buckhorn Petroleum Co.)

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

SIGNED J. C. Thompson

TITLE Operator

DATE Dec. 3, 1982

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

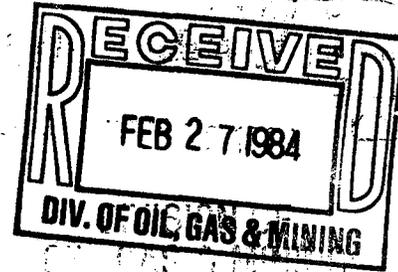
DATE _____

J. C. THOMPSON
INDEPENDENT OIL OPERATOR
410 - 17TH STREET, SUITE 1305
DENVER, COLORADO 80202

February 14, 1984

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, UT 84114

Attn: Claudia Jones
Well Records Specialist



RE: Utah Operated Wells

Dear Claudia,

Pursuant to your request, attached is a list of all producing wells which are operated by J. C. Thompson in the state of Utah.

Very truly yours,

A handwritten signature in cursive script that reads "Sandra S. Brown".

Sandra S. Brown

Enclosure

Westwater #3
Sec 13, T17S-R23E, NENW
Grand County, UT

Moon Ridge #31-15
Sec. 15, T17S-R21E NWNE
Grand County, UT

Segundo Canyon 2
Sec 33, T16S-R21E SWSE
Grand County, UT

Segundo Canyon 23-4
Sec. 4, T17S-R21E NESW
Grand County, UT

Westwater M-15
Sec. 2, T17S-R23E NESE
Grand County, UT

Bull Canyon #1 4970
Sec. 4, T20S-R21E SWSE
Grand County, UT

Westwater Federal C#1
Sec. 12, T17S-R23E NENW
Grand County, UT

Westwater Federal D#1
Sec. 11, T17S-R23E SESE
Grand County, UT

Westwater Federal B#1
NWSE Sec. 17-T17S-R24E
Grand County, UT

Westwater #5
NESW Sec. 18-T17S-R24E
Grand County, UT

Bull Canyon #1 104
NWNE Sec. 4, T20S-R21E
Grand County, UT

Federal #1
SWSW Sec. 8-T17S-R24E
Grand County, UT

Castlegate C-2
SWNW Sec. 18-T17S-R24E
Grand County, Ut

Castlegate C-4
NENW Sec. 13-T17S-R23E
Grand County, UT

M-3 Horse Point
NWNW Sec. 7-T17S-R24E
Grand County, UT

M-4
SENE Sec. 6-T17S-R24E
Grand County, UT

M-6 Horse Point
NESE Sec. 32-T17S-R24E
Grand County, UT

E-2
SWSE Sec. 7-T17S-R24E
Grand County, UT

E-3
NENW Sec. 17-T17S-R24E
Grand County, UT

E-5
NWNE Sec. 18-T17S-R24E
Grand County, UT

Dakota M-1
SESW Sec. 1-T17S-R23E
Grand County, UT

Horse Point M-7
SWNW Sec 6-T17S-R24E
Grand County, UT

#1 Fed 675
NENW Sec 10-T20S-R21E
Grand County, UT

Castlegate C-5 (SI)
NWSE Sec. 12-T17S-R23E
Grand County, UT

Castlegate C-6
SENE Sec. 18-T17S-R24E
Grand County, UT

Castlegate C-7
NESE Sec. 7-T17S-R24E
Grand County, UT

Castlegate D-2
NWNE Sec. 18-T17S-R24E
Grand County, UT

Castlegate C-10
NWNE Sec. 13-T17S-R23E
Grand County, UT

THE FOLLOWING METERS WILL HAVE CALIBRATION / SETTLEMENT TESTS RUN ON THE DATES INDICATED. STARTING TIME WILL BE 0800 OR AS SPECIFIED BELOW AND AT THE OFFICE OF THE NORTHWEST PIPELINE GRAND JUNCTION DISTRICT YOU WILL BE NOTIFIED SHOULD ANY CHANGES OCCUR IN THIS SCHEDULE. IF YOU HAVE ANY QUESTIONS ABOUT THE SCHEDULE, CONTACT OR WRITE THE DISTRICT OFFICE.

METER CODE	WELL NAME	LOC	RUN	DAY	MO/YR	STARTING TIME
92300013	FEDERAL 8 #1 175.24E.17	06	07	11	12/85	0900
92123014	FEDERAL 104 #1 205.21E.10	06	13	6	11/85	0900
92127010	USA 4970 #1 205 21E 4	06	13	6	11/85	1100
9405.7019	FEDERAL 675 PURCHASE 205 21E 10	06	13	6	11/85	1300



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

August 15, 1984

Mr. Tom Servais
Bureau of Land Management
Grand Resource Area
P.O. Box M
Moab, Utah 84532

Dear Mr. Servais:

Enclosed is a list of wells in your district that I have inspected in the last couple months. I have observed the problems indicated on the individual well sites. I would appreciate your attention to these problems.

Please let me know what action, if any, the Bureau of Land Management is taking on these wells and any results acquired.

Thank you for your cooperation in our inspection program.

Sincerely,

A handwritten signature in cursive script that reads "William E. Moore".

William Moore
Oil and Gas Field Specialist

WM/jmc
attachments
cc: Dianne R. Nielson
John R. Baza

Attachments Page 1

Nicor Federal #1, T16S R25E, Section 28, Lease U-31807, TXO Production Corporation.

This well is lacking legal signing. Inspected 5/03/84.

Federal 33-16, T16S R25E, Section 33, Lease U-05079, Beartooth Oil and Gas.

This well is lacking legal signing. Inspected 5/03/84.

Bryson Canyon #1, T17S R24E, Section 10, Lease SL-071172, Trend Oil Company.

Discharge of oil and water to emergency pit blows forcefully beyond the pit to the gully below. Inspected 3/06/84.

Federal USA 4970-1, T20S R21E, Section 4, Lease U-014970
J.C. Thompson

Oil has blown forcefully beyond the pit on to the slope beyond, then runs over the site. Steps have been taken to contain the oil in a dike, but no clean up has been done. Inspected 5/01/84.

Bull Canyon Federal #3, T20S R21E, Section 9, Lease U-5675, Southwest-Arkansas Company

The tank is lacking firewalls and seals on valves. Inspected 5/01/84.

Cisco Federal #1, T20S R21E, Section 10, Lease U-38359, Dyco Petroleum Corporation

The tank is lacking firewalls and seals on valves. Inspected 4/30/84.

Federal 1-10, T20S R21E, Section 10, Lease U-02140, N.P. Energy

The legal information on the sign is incorrect. The range reads (22E) and should read (21E). Inspected 5/01/84.

Cisco Federal #3, T20S R21E, Section 10, Lease U-38359, Dyco Petroleum Corporation

Flaring approximately 150 MCF/D in pit. Inspected 4/30/84 and 8/01/84.

Adams 22-3, T20S R21E, Section 22, Lease U-26341, Frank B. Adams

This well was reported as P&A'd in 4/81, however, the site reclamation has not been completed. The pit needs to be filled and top soil replaced. Inspected 4/30/84.

Attachments Page 2

CC Co. 26-7, T20S R21E, Section 26, Lease U-16759, CC Company

The well is leaking gas from threads in the well head creating a fire hazard. Inspected 5/01/84.

Federal 27-2, T20S R21E, Section 27, Lease U-7989, CC Company

No P&A marker found on this location. Inspected 5/01/84.

Federal 18-1, T20S R22E, Section 18, Lease U-37730, NP Energy

The tank is lacking firewall and seals. Inspected 5-/01/84.

Federal 21-1, T21S R24E, Section 21, Lease U-12965, Jan Christiansen

Our records indicate State approval terminated due to lack of spudding information. When on site I found an open hole covered by a board and a large open pit. Inspected 5/16/84.

Cimarron Petroleum Corporation #1, T22S, R24E, Section 5, lease U-20047-B, Cimarron Petroleum

Need current status. Found reclaimed site with non-regulation marker set, but have no plugging reports. Inspected 5/17/84.

Cimarron Petroleum Corporation #3, T22S R24E, Section 5, Lease U-20047-B Cimarron Petroleum

Our records indicate State approval terminated 3/01/84, but an open hole was found drilled on location. Need current status.

Federal 26-4, T20S R21E, Section 26, Lease 9B-001641, Adak Energy

This location has been abandoned on 9/28/81, except no site reclamation has been done on the pit or site. Inspected 5/01/84.

Paulsen 26-1, T21S R23E, Seciton 26, Lease U-3820, Daymon D. Gilliland

This well has no legal signing and requires cleaning. Inspected 5/01/84.

Cisco Federal #4, T20S R24E, Section 29, Lease U-034745 Walter D. Broadhead

Open hole presents a haard t livestock. Well is currently TA. Inspected 5/04/84.

Calf Canyon Federal #4, T20S R21E, Section 11, lease U-5675, Willard Pease Oil & Gas

Venting approximately 100 to 150 MCF/D off treater to pit. Inspected 4/30/84.

J. C. THOMPSON
INDEPENDENT OIL OPERATOR
410 - 17TH STREET, SUITE 1305
DENVER, COLORADO 80202

RECEIVED
NOV 07 1986
DIVISION OF
OIL, GAS & MINING

November 5, 1986

Ms. Claudia Jones
Utah Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Dear Claudia:

As per our telephone conversation today, enclosed is a letter dated August 28, 1986 from the BLM Moab District. The letter states that Tenneco Oil Company should file production for the three wells located in the Willow Creek East Unit. Two of the three wells are operated by J.C. Thompson; the 4970 #1 and 769 #2 wells. The third well is already operated by Tenneco. As unit operator, Tenneco must file all reports associated with these wells.

Please advise if you have further questions.

Very truly yours,

Brenda K. Fuechsel

Brenda K. Fuechsel

/BKF

Enclosure

cc: Ursula Sulzbah
Tenneco Oil Company

4970 #1
4301930449
T. 205 R. 21E Sec. 34

769 #2
4301930431
T. 193 R. 21E Sec. 33

RECEIVED

SEP 02 1986

3153
(Willow Cree.
East Unit)
(U-065)

J. C. THOMPSON

Moab District
P. O. Box 970
Moab, Utah 84502

AUG 28 1986

Tenneco Oil Company
P. O. Box 3245
Englewood, CO 80155

Re: Unit Operations: Willow Creek East
DK NO A, DK A, DK B Participating Areas

#769-2-

#477c-1

Gentlemen:

We are in receipt of correspondence from our State Office showing your company as operator of the above referenced unit effective January 31, 1985. This was done through a resignation of the original unit operator and subsequent successor of unit operator effective the same date (see enclosed letter).

According to provisions in the unit agreement; Article 15.1(B) and 43 CFR 3100, as the unit operator Tenneco Oil Company is recognized as operator of all unit wells. As operator you are responsible for all non-compliance, paper work, etc. on the three Willow Creek East Unit wells.

Currently, the monthly reports of operations (Form 3150-5) are being filed by both Tenneco Oil Company and J. C. Thompson. Mr. Thompson is not recognized as Unit Operator. Effective immediately, Tenneco Oil Company should file all paper work, etc. for all three wells in the Willow Creek East Unit as the unit operator.

Please contact Paul Brown (801-259-5111) or Teresa Thompson (801-524-3025) if you have any further questions.

Sincerely yours,
/S/ GENE NODINE

District Manager

Attachment:
Letter Dated 1-31-85

cc: GRA, U-058 (w/encl.)
P. Brown, U-065 (w/encl.)
T. Thompson, U-922 (w/encl.)
✓ J. C. Thompson (w/encl.)
410 17th Street, Ste. 1305
Denver, CO 80202

talk to

Lynn Jackson

9-8-86

set file this memo,

Lynn will call back

9-15-86 Steve Jones said Tenneco must file, that JCT could become unit operator, I said we would defer that for now.

PBrown:lk:08/26/85 (Hang #0988f)



Dale D. Gilliam
Regional Production Manager

January 30, 1989

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

File: JLH-063-980.2

Tenneco Acquisition
Change of Ownership
Sundry Notices

Amoco Production Company has acquired Tenneco's Rocky Mountain Division. In accordance with the Utah Rules and Regulations, we are furnishing your office with the required Sundry notices.

In addition to the Sundry notices, we are providing you with other critical information pertaining to the sale:

- The effective date of purchase was July 1, 1988 with a closing date of December 9, 1988.
- Any questions and/or correspondence concerning operational matters, permitting, sundry notices, etc., should be directed to John Hampton with Amoco at (303) 830-5025.
- Current plans are that Tenneco, acting as Amoco's Agent, will file the State Production Reports, and will handle royalty and severance payments in their name through the month of May. However, we are attempting to accelerate this transition period. Questions concerning these matters during this period should be handled with Tenneco, as in the past.

D. D. Gilliam

RLW/ksf

Attachment

COPIES SENT TO	
Aws	✓
VLC	✓
Pmk	✓
Ed Bonner	- st Lds
Brad Simpson	- Tax

Amoco Production Company

Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

RECEIVED
FEB 01 1989

DIVISION OF
OIL, GAS & MINING

NO005

TAS
Show Amoco as operator
but send to Tenneco's
address (c/o Tenneco).
Call John Hampton to find
out which Tenneco address
to send reports to.

DTS
2-6-89

placed in this
well file
3-15-90



5 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
180-1203 • (801-538) 5340

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED
JAN 16 1990
DIVISION OF OIL, GAS & MINING

Amoco Production Company
~~FENNEGO OIL/J C THOMPSON~~
~~6162 SO. WILLOW RD. 1670 Broadway~~
~~Denver ENGLEWOOD CO 80117 80202~~
ATTN: STEVE FOSTER *Lynn Hiatt*

Utah Account No. N0950
Report Period (Month/Year) 4 / 89
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume Oil (BBL)	Gas (MSCF)	Water (BBL)
WILLOW CREEK E 4970-#1 4301930449 00335 20S 21E 4	DK-MR	∅	∅	∅	∅
WILLOW CREEK E FEDERAL 769-2 4301930431 00373 19S 21E 33	CDMTN	∅	∅	∅	∅
PAID <i>11-10-88</i> <i>(or 7-13-89)</i>					
1 AMI					
<i>3/20/90 per DTS chg ok'd</i>					
TOTAL			∅	∅	∅

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 1-12-90

Lynn Hiatt
Authorized signature

Telephone 303-830-5581

Bureau of Land Management
Branch of Fluid Minerals (U-922)
324 South State Street
Salt Lake City, Utah 84111-2303

August 21, 1991

Pioneer Oil & Gas
6925 Union Park Center, Suite 145
Midvale, Utah 84047

RE: Willow Creek East Unit
Grand County, Utah

Gentlemen:

We received an indenture whereby Pioneer Oil and Gas was designated as Operator for the Willow Creek East Unit, Grand County, Utah.

This indenture was executed by all required parties. The signatory parties have complied with Section 6 of the unit agreement. The instrument is hereby accepted effective as of August 21, 1991. Please advise all interested parties of the change in unit operator.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Willow Creek East Unit will be covered by your nationwide (Utah) oil and gas bond No. 0797.

Sincerely,

(Orig. Sgd.) R. A. Henricks

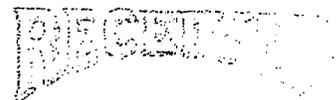
Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Division of Lands and Mineral Operations U-942
File - Willow Creek East Unit (w/enclosure)
MMS - Reference Data Branch
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:08-21-91

cc: Cella 8/28/91 VB



FEB 07 1992

DIVISION OF
OIL GAS & MINING

Division of Oil, Gas and Minin
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____
 WILLOW CREEK E 4970-#1
(Location) Sec 4 Twp 20S Rng 21E
(API No.) 43-019-30449

Suspense _____
(Return Date) _____
(To - Initials) _____
 Other _____

1. Date of Phone Call: 3-19-92 Time: 9:11

2. DOGM Employee (name) L. ROMERO (Initiated Call)
Talked to:
Name MARCY TAFOYA (Initiated Call) - Phone No. (303) 830-5105
of (Company/Organization) AMOCO PRODUCTION CO. (N0050)

3. Topic of Conversation: OPERATORSHIP OF ABOVE LISTED WELL.

4. Highlights of Conversation: _____

AFTER REVIEWING THE PAPERWORK "CHANGE OF OWNERSHIP" BETWEEN TENNECO'S ROCKY MOUNTAIN DIVISION TO AMOCO PRODUCTION COMPANY, IT HAS BEEN CONFIRMED THAT AMOCO DID NOT AQUIRE THIS WELL IN THAT TRANSACTION. DOGM CHANGED OPERATOR TO AMOCO ON 3-22-90 BASED ON LETTER DATED 1-30-89, ATTACHED. *And production report of 1-12-90*

THE BLM APPROVED CHANGE OF UNIT OPERATOR "WILLOW CREEK EAST", FROM TOC-ROCKY MOUNTAINS INC. TO PIONEER OIL & GAS EFF 8-21-91. (THEY DID NOT ACKNOWLEDGE CIMARRON CHEMICAL AS EVER BEING THE UNIT OPERATOR - SEE ATTACHED)

*ALSO, TOC-ROCKY MOUNTAINS INC. IS NO LONGER IN EXISTENCE. MARATHON OIL & GAS ASSUMED MOST OF THEIR OPERATIONS, YOU MAY NEED TO CONTACT THEM FOR MISSING PRODUCTION INFORMATION, HOWEVER PIONEER OIL & GAS SHOULD BE ABLE TO PROVIDE THAT INFORMATION.

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:	
1-LCR ✓	7-LCR ✓
2-DTS/PLS ✓	
3-VLC ✓	
4-RJF ✓	
5-RWM ✓	
6-ADA ✓	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-21-91)

TO (new operator) <u>PIONEER OIL & GAS</u>	FROM (former operator) <u>*TOC-ROCKY MOUNTAINS INC.</u>
(address) <u>6925 UNION PARK CTR #145</u>	(address) <u>TENNECO OIL/JC THOMPSON</u>
<u>MIDVALE, UT 84047</u>	<u>1670 BROADWAY</u>
	<u>DENVER, CO 80202</u>
phone (<u>801</u>) <u>566-3000</u>	phone () _____
account no. <u>N 3025</u>	account no. <u>N 0950</u>

Well(s) (attach additional page if needed): ****THIS WELL WAS CHANGED TO AMOCO/N0050 ON 3-22-90 IN ERROR (SEE ATTACHED)**

Name: <u>WILLOW CRK E 4970-#1</u>	API: <u>43-019-30449</u>	Entity: <u>335</u>	Sec <u>4</u> Twp <u>20S</u> Rng <u>21E</u>	Lease Type: <u>U-14970</u>
Name: <u>(DK-MR)</u>	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd Btm approval 2-7-92)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd Btm approval 2-7-92)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- YCP 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- YCP 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(5-14-92)*
- YCP 6. Cardex file has been updated for each well listed above. *(5-14-92)*
- YCP 7. Well file labels have been updated for each well listed above. *(5-14-92)*
- YCP 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(5-14-92)*
- YCP 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- JCP* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A* 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

DWM 1. All attachments to this form have been microfilmed. Date: May 26 1992.

FILING

- JCP* 1. Copies of all attachments to this form have been filed in each well file.
- JCP* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

Bdm S.Y. Approved 8-21-91. "Willow Creek East Unit"

09/18/92
09:16:41

PRODUCTION ACCOUNTING AND AUDITING SYSTEM
WELL INQUIRY

PMQ1200R
PMQ1200D

WELL : 430193044900S01 LOCATION TYPE: LOCATION : 20S 21E 4SWSE
CURR OPERATOR NUMBER : 44885 NAME: PIONEER OIL AND GAS CORP.
LEASE/AGREEMENT NUMBER: 891015481B AGENCY NUMBER: 891015481B
LEASE IF AGREEMENT NUM: OPER WELL # : 001
LAST UPDATE DATE: 07/23/88 INSPECTION OFFICE: MO

REPORT PERIOD	OPERATIONS STATUS	DETAIL DESCRIPTION	WELL CODE	STATUS DESCRIPTION	OPERATOR NUMBER	OPERATOR NAME	SRC	REPORTING LEASE/AGRMT	STR TOT
02/89	GSI	NPRD GAS C			41349	TENNECO	3		S
01/89	GSI	NPRD GAS C			41349	TENNECO	3		S
12/88	GSI	NPRD GAS C			41349	TENNECO	3		S
11/88	GSI	NPRD GAS C			41349	TENNECO	3		S
10/88	GSI	NPRD GAS C			41349	TENNECO	3		S
09/88	TA	WELLER TMP AB			41349	TENNECO	3		S
08/88	GSI	NPRD GAS C	GSI	NPRD GAS C	41349	TENNECO	3	891015481B	S

LAST PAGE OF DATA IS DISPLAYED.

09/18/92 PRODUCTION ACCOUNTING AND AUDITING SYSTEM PMQ120QR
 09:17:16 WELL INQUIRY PMQ120QD
 WELL : 430193044900S01 LOCATION TYPE: LOCATION : 20S 21E 4SWSE
 CURR OPERATOR NUMBER : 44885 NAME: PIONEER OIL AND GAS CORP.
 LEASE/AGREEMENT NUMBER: 891015481B AGENCY NUMBER: 891015481B
 LEASE IF AGREEMENT NUM: OPER WELL # : 001
 LAST UPDATE DATE: 07/23/88 INSPECTION OFFICE: MO

REPORT PERIOD	OPERATIONS STATUS	DETAIL DESCRIPTION	WELL CODE	STATUS DESCRIPTION	OPERATOR NUMBER	OPERATOR NAME	SRC	REPORTING LEASE/AGRMT	STR TOT
03/90	OSI	NPRD GAS C			10860	AMOCO	3		5
04/90	OSI	NPRD GAS C			10860	AMOCO	3		5
03/90	OSI	NPRD GAS C			10860	AMOCO	3		5
02/90	OSI	NPRD GAS C			10860	AMOCO	3		5
01/90	OSI	NPRD GAS C			10860	AMOCO	3		5
12/89	OSI	NPRD GAS C			10860	AMOCO	3		5
11/89	OSI	NPRD GAS C			10860	AMOCO	3		5
10/89	OSI	NPRD GAS C			10860	AMOCO	3		5
09/89	OSI	NPRD GAS C			10860	AMOCO	3		5
08/89	OSI	NPRD GAS C			10860	AMOCO	3		5
07/89	OSI	NPRD GAS C			10860	AMOCO	3		5
06/89	OSI	NPRD GAS C			10860	AMOCO	3		5
05/89	OSI	NPRD GAS C			10860	AMOCO	3		5
04/89	OSI	NPRD GAS C	OSI	NPRD GAS C	10860	AMOCO	3	891015481A	5
03/89	OSI	NPRD GAS C	OSI	NPRD GAS C	41349	TENNECO	A	891015481A	5

↑ missing 03/89 rpt from Tenneco

09/18/92 PRODUCTION ACCOUNTING AND AUDITING SYSTEM PMQ120GR
 09:17:27 WELL INQUIRY PMQ120RD
 WELL : 430193044900S01 LOCATION TYPE: LOCATION : 20S 21E 4SWSE
 CURR OPERATOR NUMBER : 44885 NAME: PIONEER OIL AND GAS CORP.
 LEASE/AGREEMENT NUMBER: 891015481B AGENCY NUMBER: 891015481B
 LEASE IF AGREEMENT NUM: OPER WELL # : 001
 LAST UPDATE DATE: 07/23/88 INSPECTION OFFICE: MO

REPORT PERIOD	OPERATIONS STATUS	DETAIL DESCRIPTION	WELL CODE	STATUS DESCRIPTION	OPERATOR NUMBER	OPERATOR NAME	SRC	REPORTING LEASE/AGRMT	TUB STR TOT
07/92	GSI	NPRD GAS C			44885	PI00G	3		5
06/92	GSI	NPRD GAS C			44885	PI00G	3		5
05/92	GSI	NPRD GAS C			44885	PI00G	3		5
04/92	GSI	NPRD GAS C			44885	PI00G	3		5
03/92	GSI	NPRD GAS C			44885	PI00G	3		5
02/92	GSI	NPRD GAS C			44885	PI00G	3		5
01/92	GSI	NPRD GAS C			44885	PI00G	3		5
12/91	GSI	NPRD GAS C			44885	PI00G	3		5
11/91	GSI	NPRD GAS C			44885	PI00G	3		5
10/91	GSI	NPRD GAS C			44885	PI00G	3		5
09/91	GSI	NPRD GAS C			44885	PI00G	3		5
08/91	GSI	NPRD GAS C	GSI	NPRD GAS C	44885	PI00G	3	891015481B	5
08/90	GSI	NPRD GAS C			10860	AM000	3		5
07/90	GSI	NPRD GAS C			10860	AM000	3		5
06/90	GSI	NPRD GAS C			10860	AM000	3		5

Post-It™ brand fax transmittal memo 7871 # of pages > 3

To Lisha Romero	From Mike Henninger
Co. Div of Oil & Gas	Co. MMS
Dept.	Phone # (303) 969-6263
Fax # 801 359-3940	Fax #

3107
UTU-14970
(UT-942)

DECISION

JAN 12 1993

American Cometra, Inc.	:	
500 Throckmorton St.	:	
Fort Worth, TX 76102	:	
	:	
Corexcal, Inc.	:	
444 5th Ave., S.W.	:	
Calgary, Alberta Canada T2P2T	:	
	:	
Fina Oil & Chemical	:	
Box 2159	:	
Dallas, TX 75221	:	
	:	Oil and Gas Lease
Hamill Energy Co.	:	U-14970
1021 Main St., #2306	:	
Houston, TX 77002	:	
	:	
Marathon Oil Co.	:	
Box 2690	:	
Cody, WY 82414	:	
	:	
Pacific Enterprises Oil Co. (USA)	:	
1700 Pacific Ave., #1200	:	
Dallas, TX 75201	:	

Contraction of Willow Creek East Unit Agreement

Voluntary contraction of the Willow Creek East Unit was approved effective August 1, 1992. Regulation 43 CFR 3107.4 provides that any lease eliminated from an approved or prescribed cooperation or unit plan, unless relinquished, shall continue in effect for the original term of the lease, or for 2 years after its elimination from the plan, whichever is longer, and for so long thereafter as oil or gas is produced in paying quantities.

Oil and gas lease U-14970 has been entirely eliminated from the unit. This lease is in a producing status due to well No. 1 and the account will remain at AFS. Accordingly, under the regulations in 43 CFR 3107.4, this lease is extended to and including August 1, 1994, in the event production should cease before the expiration date of the 2-year lease extension. This lease is no longer subject to the provisions and terms of the Willow Creek East Unit Agreement.

/s/ ROBERT LOPEZ

Chief, Minerals
Adjudication Section

bc: Unit Operator - Pioneer Oil & Gas, 6925 Union Park Center,
Suite 145, Midvale, Utah 84047

U-922

Moab D.O.

Unit File - Willow Creek East

MMS, AFS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other OIL & GAS

2. Name of Operator

J.C. THOMPSON

3. Address and Telephone No.

6500 S. Quebec Street: #210; Englewood, CO 80111 (303) 220-7772

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

668' FSL, 2047' FEL (SWSE) Sec. 4 - T20S - R21E

5. Lease Designation and Serial No.
U-14970

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
USA 4970 #1

9. API Well No.
43-019-30449

10. Field and Pool, or Exploratory Area
Greater Cisco

11. County or Parish, State
Grand Co., Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other _____
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*

Change of Operator (Formerly Pioneer Oil & Gas).

This well is covered under statewide bond #862E9818

eff. 7/14/93

RECEIVED

JAN 14 1994

DIVISION OF
OIL, GAS & MINING

RECEIVED
HOAB DISTRICT OFFICE
93 JUL 23 PM 12:23
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Signed

J.C. Thompson

Title

Operator

Date

July 14, 1993

(This space for Federal or State Approval)

W.S. WILLIAM C. STRINGER

Associate District Manager

Date

JAN 4 1994

Approved by

Conditions of approval, if any:

CONDITIONS OF APPROVAL, ATTACHED

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

J. C. Thompson
Well No. USA 4970 #1
SWSE Sec. 4, T. 20 S., R. 21 E.
Grand County, Utah
Lease U-14970

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that J. C. Thompson is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0068 (Principal - J. C. Thompson) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

U-14970

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Willow Creek East 4970-#1

9. API Well Number:

43-019-30449

10. Field and Pool, or Wildcat:

Greater - Cisco

1. Type of Well: OIL GAS OTHER:

2. Name of Operator: (Previous)
Pioneer Oil and Gas

3. Address and Telephone Number: 1225 Ft. Union Blvd., Suite 100, Midvale, UT 84047
(801) 566-3000

4. Location of Well

Footages:

QQ, Sec., T., R., M.: SWSE; Sec. ⁴ 21: T20S-R21E

County: Grand

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective August 1, 1992, the Willow Creek East Unit Area was contracted to eliminate those lands embraced by the Willow Creek East 4970-#1 well (See enclosure). Resulting from this contraction, Pioneer as former Unit Operator of this well, relinquishes all operations to J.C. Thompson Company, 6500 S. Quebec, Suite 210, Englewood, CO 80111.

cc: J.C. Thompson

RECEIVED

JAN 10 1994

DIVISION OF
OIL, GAS & MINING

13.

Name & Signature:

R. Heggie Wilson
R. Heggie Wilson

Title: Land Manager

Date: 1/10/94

(This space for State use only)

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-SD
2-DEPS	8-FILL
3-VLC	
4-RIB	
5-LEC	
6-PL	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-1-92)

TO (new operator)	<u>THOMPSON, J.C.</u>	FROM (former operator)	<u>PIONEER OIL & GAS</u>
(address)	<u>5000 S QUEBEC STE 640</u>	(address)	<u>1225 FT UNION BLVD #100</u>
	<u>DENVER, CO 80237</u>		<u>MIDVALE, UT 84047</u>
	<u>phone (303) 220-7772</u>		<u>phone (801) 566-3000</u>
	<u>account no. N 1240</u>		<u>account no. N 3025</u>

Well(s) (attach additional page if needed):

Name: <u>WILLOW CRK E 4970-#1/DK</u>	API: <u>43-019-30449</u>	Entity: <u>335</u>	Sec <u>4</u>	Twp <u>20S</u>	Rng <u>21E</u>	Lease Type: <u>U-14970</u>
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 1-12-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 1-14-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(1-19-94)*
- Sec 6. Cardex file has been updated for each well listed above. *(1-19-94)*
- Sec 7. Well file labels have been updated for each well listed above. *(1-19-94)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(1-19-94)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form). *Entity name from Willow Creek E/DK-MR A to Willow Creek E 4970-#1*
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A Lee* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *DLB 1/24/94*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: February 8 1994.

FILING

- Lee* 1. Copies of all attachments to this form have been filed in each well file.
- Lee* 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940119 Btm/Moab Approved 1-4-94.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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.)		5. LEASE DESIGNATION & SERIAL NO. <u>U 4970</u>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR <u>Linn Bros. Oil & Gas Inc</u>	8. FARM OR LEASE NAME <u>USA 4970-1</u>	
3. ADDRESS OF OPERATOR <u>PO Box 416</u>	9. WELL NO. <u>USA 4970-1</u>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface At proposed prod. zone	10. FIELD AND POOL, OR WILDCAT <u>Greater Cisco</u>	
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec 4 T20S R21E S05E</u>	
14. API NO. <u>43-019-30449</u>	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY <u>Grand</u>
		13. STATE <u>Ut.</u>

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

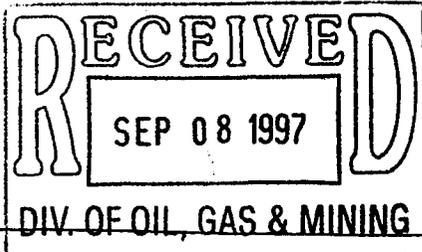
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	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) <u>Change of operator</u>	
(Other)		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

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.)

* Must be accompanied by a cement verification report.

Effective 9/1/97 Linn Bros. Took over operator status of this well. ut Bond # UT0927.

We will start Producing this well in Sept 1997



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

SIGNED Gene A. Linn TITLE Sec DATE 9/2/97

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

5. Lease Designation and Serial No.

U-14970

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other Oil & Gas

2. Name of Operator

Linn Bros. Oil & Gas, Inc.

3. Address and Telephone No.

PO Box 416 Fruita, CO 81521

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

668' FSL, 2047' FEL (SWSE) Sec 4-T20S-R21E

7. If Unit or CA, Agreement Designation

8. Well Name and No.

USA 4970-1

9. API Well No.

43-019-30449

10. Field and Pool, or Exploratory Area

Greater Cisco

11. County or Parish, State

Grand County, ut.

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other Notice of Operator
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

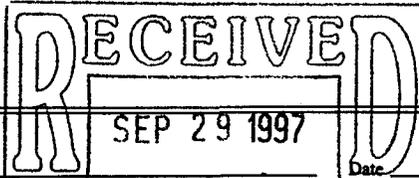
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)*

Change of operator

Effective Sept 1 1997 Linn Bros. Oil & Gas Inc. is the operator of this well and is responsible under the terms and conditions of the lease for the operation of this well. Bond coverage for this well is provided by Bond No. UTO 927.

We will start producing this well in Sept 1997



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

Signed [Signature]

Title Sec

SEP 29 1997

Date 9/02/97

(This space for Federal or State office use)

Approved by [Signature]

Title Assistant Field Manager Resource Management

Date 9/26/97

CONDITIONS OF APPROVAL ATTACHED

Linn Brothers Oil and Gas, Inc.
Well No. USA 4970-1
SWSE Sec. 4, T. 20 S., R. 21 E.
Lease U-14970
Grand County, Utah

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Linn Brothers Oil and Gas, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by UT0927 (Principal - Linn Brothers Oil and Gas, Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

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.)

5. LEASE DESIGNATION AND SERIAL NO.	UTU14970
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	Willow Creek East
8. FARM OR LEASE NAME	
9. WELL NO.	1 USA 4970
10. FIELD AND POOL, OR WILDCAT	Bull Canyon
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 4-T20S-R21E
12. COUNTY OR PARISH	Grand
13. STATE	UT

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
J. C. THOMPSON

3. ADDRESS OF OPERATOR
5000 S. Quebec St., Ste. 640, Denver CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
SWSE Sec 4. T20S R21E
API 43-019-30449

14. PERMIT NO.

15. ELEVATIONS (Show whether OF, RT, GR, etc.)
5540 GR

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"/>
SMOOT 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) resignation of operator <input checked="" 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.)*

J. C. THOMPSON is resigning as operator effective September 1, 1997.
LINN BROTHERS OIL & GAS should be recognized as the new operator.

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

SIGNED Brenda K. Mayland TITLE Office Manager DATE 9-30-97
Brenda K. Mayland

(This space for Federal or State office use)

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

OPERATOR CHANGE WORKSHEET

Routing	
1- <u>JE</u>	6- <u>EC</u>
2- <u>GLH</u>	7- <u>KAS</u>
3- <u>DPS</u>	8- <u>SI</u>
4- <u>VLD</u>	9- <u>FILE</u>
5- <u>JRB</u>	

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-1-97

TO: (new operator) LINN BROS OIL & GAS INC FROM: (old operator) THOMPSON, J C
 (address) PO BOX 416 (address) 5000 S QUEBEC STE 640
FRUITA CO 81521 DENVER CO 80237
GENE LINN
 Phone: (303)858-7386 Phone: (303)220-7772
 Account no. N6800 Account no. N1240

WELL(S) attach additional page if needed:

Name: <u>WILLOW CRK E 4970-1</u>	API: <u>43-019-30449</u>	Entity: <u>335</u>	S <u>4</u>	T <u>20S</u>	R <u>21E</u>	Lease: <u>U14970</u>
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(reg. 9-30-97) (rec'd 9-30-97)*
- Sec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(rec'd 9-8-97)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____
- Sec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(9-30-97)*
- Sec 6. Cardex file has been updated for each well listed above. *(9-30-97)*
- Sec 7. Well file labels have been updated for each well listed above. *(9-30-97)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(9-30-97)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Y 2. A copy of this form has been placed in the new and former operator's bond files.
- 3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 9/30/97 19 , of their responsibility to notify all interest owners of this change.

FILMING

- Y 1. All attachments to this form have been microfilmed. Today's date: 10/8/97.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

