

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  
Texaco Oil & Gas Corp. TXO Production Corp

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Building, Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface  
794' FSL, 1057' FWL, Section 14-T17S-R24E  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 31 miles NW of Mack, Colorado

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
794'

16. NO. OF ACRES IN LEASE  
160

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.  
 ---

19. PROPOSED DEPTH  
5512

20. ROTARY OR CABLE TOOLS  
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6674' GR

22. APPROX. DATE WORK WILL START\*  
April 5, 1981

5. LEASE DESIGNATION AND SERIAL NO.  
U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 ---

7. UNIT AGREEMENT NAME  
 ---

8. FARM OR LEASE NAME  
Hougen Federal "A"

9. WELL NO.  
#1

10. FIELD AND POOL, OR WILDCAT  
Bryson Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 14-T17S-R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
24"	16"	Conductor	40'	2.5 yards
12 1/4"	9 5/8"	36# New	300'	200 sacks
8 3/4"	7"	20# New	2400'	200 sacks
6 1/4"	4 1/2"	11.6# New	5512'	125 sacks

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 *J. A. Horta* TITLE Drilling & Prod. Manager DATE January 27, 1981  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY *[Signature]* FOR E. W. GUYNN DATE APR 9 1982  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE DISTRICT OIL & GAS SUPERVISOR

CONDITIONS OF APPROVAL ATTACHED  
TO OPERATOR'S COPY  
\*See Instructions On Reverse Side

NOTICE OF APPROVAL

*Utah State Oil & Gas*

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

TEXAS OIL & GAS CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

April 14, 1981

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

Re: Hougen Federal "A" #1  
Section 14-T17S-R24E  
Grand County, Utah

Dear Mr. Feight:

Enclosed please find three copies of the Application for Permit to Drill for the above-mentioned well. Also enclosed are three copies of the survey plat and the blowout preventer drawing.

If you have any questions, please contact me at this office.

Very truly yours,

TEXAS OIL & GAS CORP.



Paul Urban  
Environmental Scientist

PU/bs  
Enclosures/as stated

RECEIVED

APR 16 1981

STATE OF UTAH  
OIL AND GAS DIVISION

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Texas Oil & Gas Corp.

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 7. UNIT AGREEMENT NAME  
 ---  
 8. FARM OR LEASE NAME  
 Hougen Federal "A"  
 9. WELL NO.  
 #1  
 10. FIELD AND POOL, OR WILDCAT  
 Undesignated  
~~Bryson Canyon~~  
 11. SEC. T., R., M., OR BLE. AND SURVEY OR AREA  
 Section 14-T17S-R24E  
 12. COUNTY OR PARISH  
 Grand  
 13. STATE  
 Utah

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8 3/4"	7"	20# New	2400'	200 sacks
6 1/2"	4 1/2"	11.6# New	5512'	125 sacks

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

DATE: 5/18/81  
 BY: [Signature]

RECEIVED

APR 16 1981

DIVISION OF  
 OIL, GAS & MINING

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 [Signature] TITLE Drilling & Prod. Manager DATE January 27, 1981

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

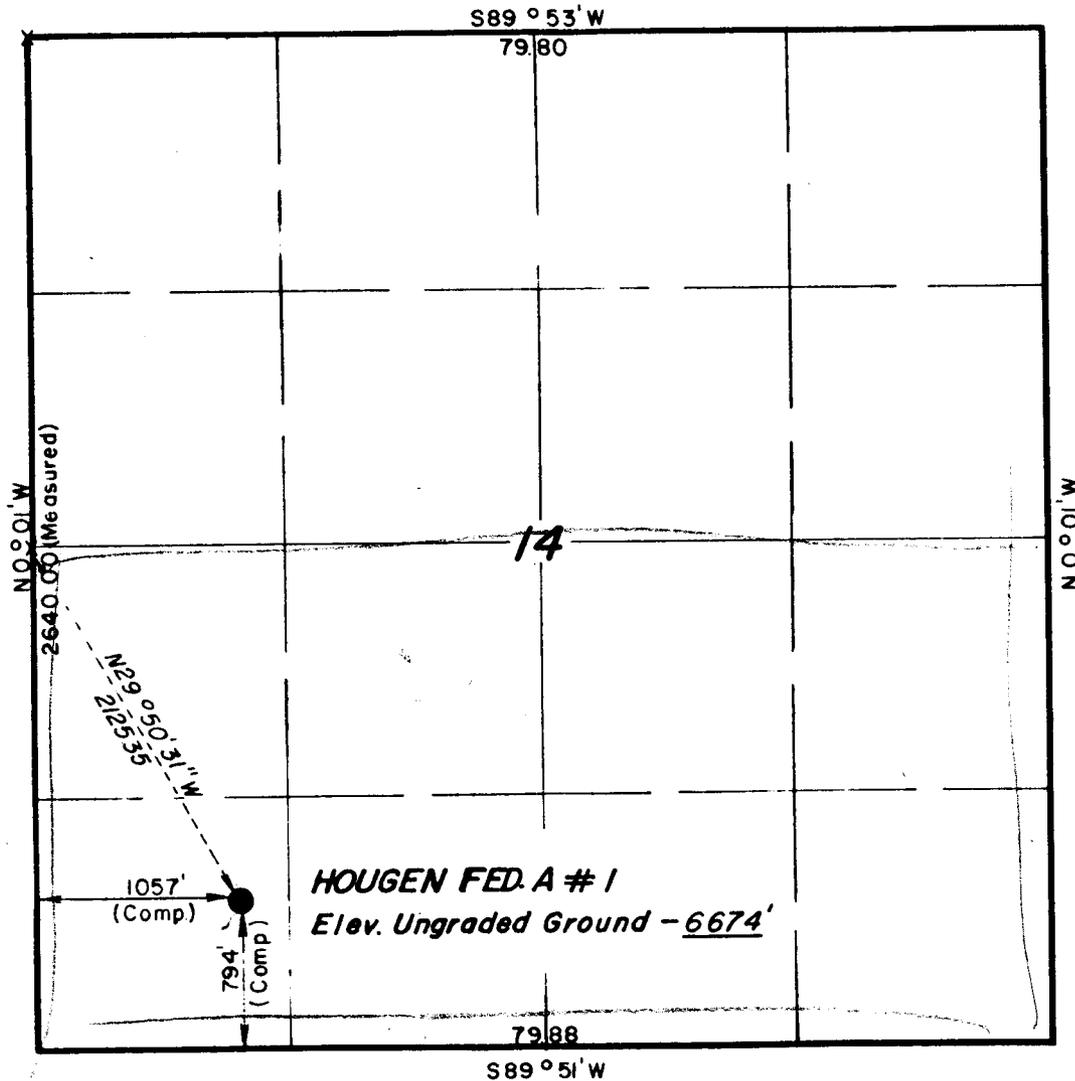
CONDITIONS OF APPROVAL, IF ANY:

T17S, R24E, S.L.B.&M.

PROJECT

**TEXAS OIL & GAS**

Well location, *HOUGEN FED A #1*  
 located as shown in the S.W.1/4SW1/4  
 Section 14, T17S, R24E, S.L.B.&M.  
 Grand County, Utah.



CERTIFICATE

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

*Levi Stewart*

REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3154  
 STATE OF UTAH

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

SCALE 1" = 1000"	DATE 11/12/80
PARTY MS KH SH FO	REFERENCES GLO Plat
WEATHER Cloudy Cool	FILE TEXAS OIL & GAS

X = Section Corners Located

Exhibit 2

United States Department of the Interior  
Geological Survey  
Oil and Gas Operations  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Texas Oil and Gas Corp. Hougden Fed. "A" #1

Project Type Development Gas Test

Project Location 794' FSL, 1057' FWL, Sec. 14, T17S, R24E, Grand Co., Utah

Date Project Submitted January 30, 1981

FIELD INSPECTION

Date April 21, 1981

Field Inspection  
Participants

Paul Urban - Operator

Forrest Bird - Galley Construction

Elmer Duncan, Mical Walker - BLM

Glenn Doyle - USGS

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

August 20, 1981  
Date Prepared

Glenn M. Doyle  
Environmental Scientist

I concur

8/24/81  
Date

E. [Signature]  
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.J.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
Public health and safety					1,2		6	4/21/81	
Unique charac- teristics					1,2				
Environmentally controversial					1,2				
Uncertain and unknown risks						4			
Establishes precedents					1,2				
Cumulatively significant					1,2		6		
National Register historic places	1-8/19/81								
Endangered/ threatened species	1-8/19/81								
Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached

COMMON REFERENCE LIST.

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Texas Oil and Gas  
Hougen Fed. "A" #1

Site-specific Stipulations

- 1) Shave 25' off the southwest edge (survey stations 1, 2, and 8; see rig layout) to avoid a rock ledge.
- 2) Line the reserve pit with 2" - 3" of bentonite raked into the soil.
- 3) This location requires a State of Utah spacing exception.

## STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

1. Contact this office at least 48 hours prior to beginning construction of access road and pad.
2. Stockpile the surface 8 inches to 10 inches of topsoil in a wind-row on the northwest corner of the location. (above post 4 of exhibit 4).
3. The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.
4. Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.
5. The bottom half of the reserve pit will be lined with at least 2 - 3 inches of bentonite spread over the surface and raked into the soil.
6. The "blooey" line will be centered and directed into the pit.
7. The width of the pad will be reduced by 25 feet across posts 2, 1, & 8 respectively (refer to exhibit 4). The pad dimensions will now be 325 x 170 inclusively.
8. Cattle graze on Bryson Ridge during the spring and summer months. A four-strand barbed wire fence will be adequate to prevent livestock and wildlife from entering the reserve pit area.
9. If the well is a producer -

Any area not needed for production will be cleaned-up, recontoured, and reseeded according to BLM specifications.

A portion of the topsoil will be spread over the unused surface prior to ripping, followed by fall seeding.

A woven wire fence will be installed around the water production pit to safeguard against livestock and wildlife intrusion.

All production facilities will be painted. (Suggested colors are enclosed).

10. If the well is plugged and abandoned -

The access road will be closed, berms pulled-in, roadbed ripped and seeded in the fall of the year.

Rehabilitation of the site will be accomplished in accordance with item 10 (Application for Permit to Drill) and with the enclosed restoration procedures.

11. Access Road:

- A. During exploration, the road will have an 18 foot travel width with a 24 foot maximum disturbed width.
- B. The trees will be removed from the right-of-way and kept to the uphill side of the right-of-way for later use in the event the exploration comes up dry.
- C. Some topsoil will be saved during construction of the road and placed to the uphill side.
- D. In the event the location goes into production, the Grand Resource Area office will be contacted so together the operator and BLM can design a road suitable for travel to a producing facility.
- E. If the location is to be plugged and abandoned, the road berms will be pulled in, ripped, and seeded, and closed to further vehicular travel.

SEED MIXTURE

<u>List #4</u>		<u>Bookcliff</u>
<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Elymus salinus	Salina wildrye	1
Oryzopsis hymenoides	Indian ricegrass	1
Agropyron cristatum	Crested wheatgrass (Fairway crested wheatgrass)	5
<u>Forbs</u>		
Hedysarum boreale var utahensis	Utah northern sweetvetch	1
Medicago officinalis	Yellow sweetclover	1
Sphaeralcea coccinea	Scarlet globemallow	5
<u>Shrubs</u>		
Amelanchier utahensis	Utah verviceberry	1
Atriplex canescens	Fourwing saltbush (White greasewood)	1
Cowania mexicana	Mexican cliffrose	1
		<u>8</u>

POOR COPY



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

## SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

### Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

### Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

## RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
  - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
  - a. Lay berms into centers.
  - b. Use cut material for fill areas.
  - c. Lay stockpiled surface soil over top of pads and spread evenly.
  - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
  - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

\* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

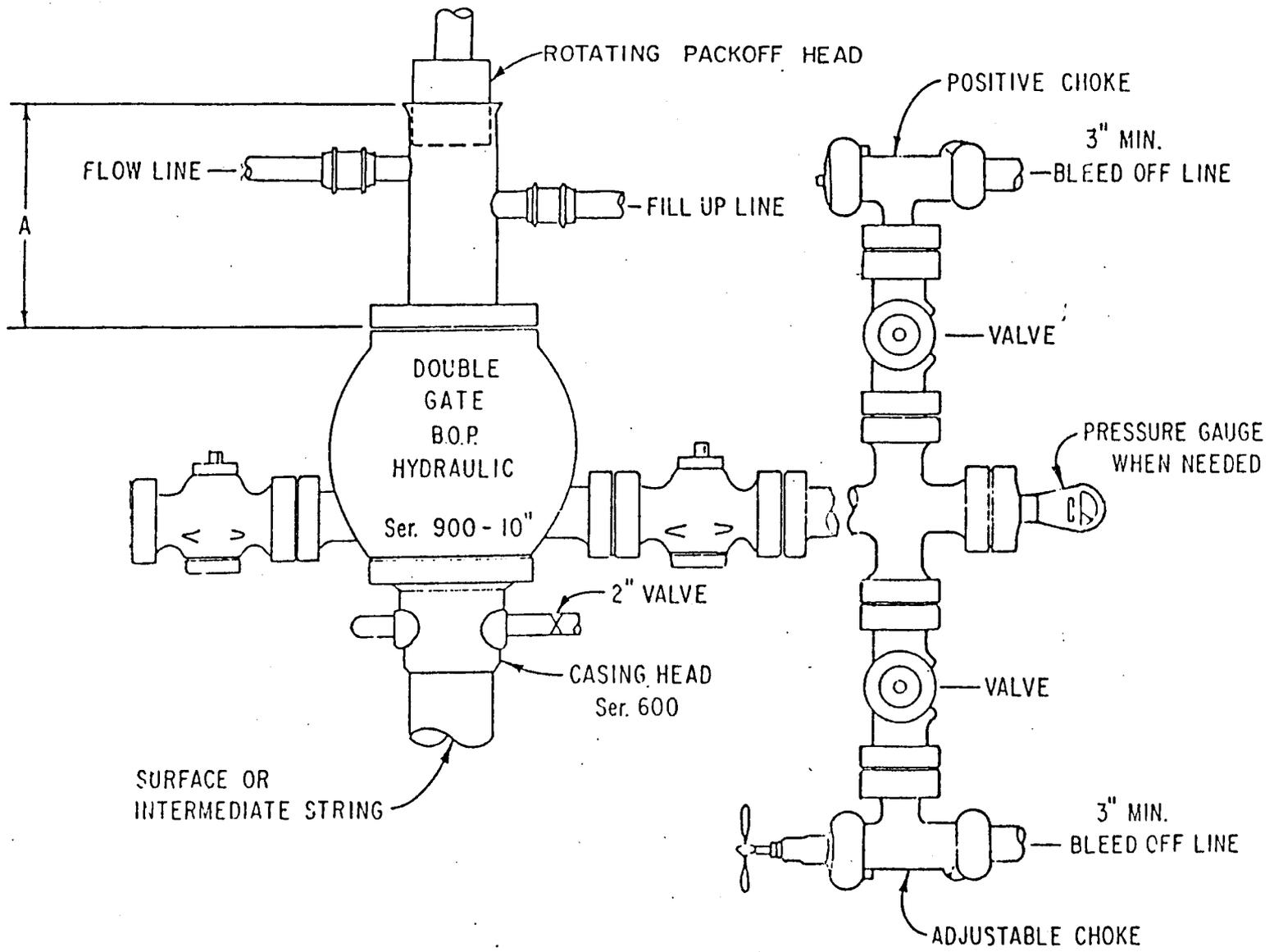


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

\*\* FILE NOTATIONS \*\*

DATE: May 11, 1981

OPERATOR: Texas Oil & Gas Corporation

WELL NO: Hougen Fed. "A" #1

Location: Sec. 14 T. 17S R. 24E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30799

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

\_\_\_\_\_

Director: OK - as per rule 165-4

\_\_\_\_\_

Administrative Aide: as per Order # below; OK on  
landry; this loc. as per order is designated: E-W direction  
no other wells in this drum (3200)

(Very on phone: 5/15/81)

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 165-4, 6/26/79

O.K. Rule C-3

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

Lease Designation  Fed.

Plotted on Map

Approval Letter Written

Hot Line

P.I.

Cond. 11  
Must get  
state map  
as desig  
E-W direction  
(Very on phone: 5/15/81)

May 19, 1981

Texas Oil & Gas Corporation  
1800 Lincoln Center Bldg.  
Denver, Colorado 80264

Re: Well No. Hougan Federal "A" #1  
Sec. 14, T. 17S, R. 24E, SW SW  
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 165-4, dated June 26, 1989. However, as per Order, this Division requires that a letter be sent to this office stating that Texas Oil & Gas has designated the above location as E-W direction.

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

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-5771  
Home: 876-3001

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30799.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight  
Director

CBF/ko  
cc: USGS



# United States Department of the Interior

IN REPLY REFER TO

3109  
(U-068)

BUREAU OF LAND MANAGEMENT

Moab District  
Grand Resource Area  
P. O. Box M  
Moab, Utah 84532

## Memorandum

To: Oil & Gas Office  
USGS Conservation Division  
P. O. Box 3768  
Grand Junction, CO. 81502

From: Area Manager, Grand

Subject: Permit to Drill (APD): U-42480  
Texas Oil & Gas  
Well: Hougen Fed "A" #1  
Section 14, T. 17 S., R. 24 E.  
Grand County, Utah

On April 21, 1981 a representative from this office met with Glenn Doyle, USGS, and Paul Urban, agent of the Texas Oil & Gas Corporation for an inspection of the above referenced location. Subject to the attached conditions and an approved Permit to Drill from the USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Texas Oil & Gas Corporation.

Enclosures: (4)  
1-Reclamation Procedures  
2-Fencing  
3-Seed Mixture  
4-Suggested Colors

U. S. GEOLOGICAL SURVEY  
OIL AND GAS OPERATIONS  
RECEIVED

AUG 19 1981

GRAND JUNCTION, COLORADO

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

TXO Production Corp.

3. ADDRESS OF OPERATOR

1800 Lincoln Center Building, Denver, Co 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17  
below. 794' FSL, 1057' FWL,  
AT SURFACE: Sec. 14-T17S-R24E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

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

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Operator Name Change</u>		

5. LEASE

U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hougen Federal "A"

9. WELL NO.

#1

10. FIELD OR WILDCAT NAME

Bryson Canyon

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

Sec. 14-T17S-R24E

12. COUNTY OR PARISH 13. STATE

Grand Utah

14. API NO.

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

6674' GR

(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 September 1, 1981, the exploration and production activities of Texas Oil & Gas Corp. have been reorganized into a new corporate branch, TXO Production Corp. As a consequence, the operator name for this well is changed to "TXO Production Corp.", as indicated above in Item 2.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Charles K. Curlee TITLE Environmental Adm. DATE 9/14/81

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



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

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

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

January 4, 1982

TXO Production  
1800 Lincoln Center Building  
Denver, Colorado 80264

Re: See attached

Gentlemen:

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

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

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse  
Clerk Typist

Well No. Arco Fed. B #2  
Sec. 6, T. 16S, R. 25E  
Grand County, Utah

Well No. Grynberg Federal #1  
Sec. 28, T. 16S, R. 25E  
Grand County, Utah

Well No. Moxa Federal "A" #1  
Sec. 4, T. 16S, R. 26E  
Grand County, Utah

Well No. Hougen Federal "A" #1  
Sec. 14, T. 17S, R. 24E  
Grand County, Utah



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

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

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

May 6, 1982

TXO Production Corporation  
1800 Lincoln Center Bldg.  
Denver, Colorado 80164

Re: See attached

Gentlemen:

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

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

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

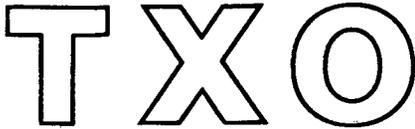
Cari Furse  
Clerk Typist

Well No. Arco Federal #B-2  
Sec. 6, T. 16S, R. 25E.  
Grand County, Utah

Well No. Grynberg Federal #1  
Sec. 28, T. 16S, R. 25E.  
Grand County, Utah

Well No. Moxa Federal "A" #1  
Sec. 4, T. 16S, R. 26E.  
Grand County, Utah

Well No. Hougen Federal "A" #1  
Sec. 14, T. 17S, R. 24E.  
Grand County, Utah



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING

DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

May 17, 1982

Utah Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Attention: Cari Furse

Re: Various Wells  
Grand & Uintah Counties, Utah

Dear Sir/Madam:

TXO Production Corp. has received your May 6, 1982 letter inquiries concerning the status of various wells locations in Grand and Uintah Counties, Utah. The current status and comments for each well are given below:

Arco Federal "B" #2  
Section 6, T16S-R25E  
Grand County, Utah

LA

Well deferred; cancel permit

Asphalt Creek Federal #2  
Section 10-T12S-R24E  
Uintah County, Utah

Well to be drilled in late 1982 or early 1983; reserve permit

Baumgartner Federal #1  
Section 25-T16S-R24E  
Grand County, Utah

Well to be drilled in fall 1982; reserve permit

Duncan Federal #3  
Section 28-T15S-R23E  
Uintah County, Utah

LK

Well to be moved; cancel permit; will submit new APD for new location

Duncan Federal #4  
Section 33-T15S-R23E  
Uintah County, Utah

LA

Well to be moved; cancel permit; will submit new APD for new location

Grynberg Federal #1  
Section 28-T16S-R25E  
Grand County, Utah

Well to be drilled in fall 1982 or spring 1983; reserve permit

Hancock Federal #1-X  
Section 5-T17S-R25E  
Grand County, Utah

Well drilled April-May 1981; Form OGC-8-X submitted May 26, 1981; Completion Report will be submitted under separate cover

MAY 10 1982

DIVISION OF OIL & GAS



Page Two  
May 17, 1982

Hougen Federal "A" #1  
Section 14-T17S-R24E  
Grand County, Utah

Well to be drilled late 1982 or early 1983;  
reserve permit

Lauck Federal #1  
Section 29-T16S-R25E  
Grand County, Utah

LA

Well to be moved; cancel permit; will  
submit new APD for new location

Lauck Federal #2  
Section 29-T16S-R25E  
Grand County, Utah

Well may be moved; reserve permit for  
current location

Moxa Federal "A" #1  
Section 4-T16S-R26E  
Grand County, Utah

Well drilled May-June 1981; water sands  
and Completion Report will be submitted  
under separate cover

Wall Federal #1  
Section 30-T16S-R25E  
Grand County, Utah

Well to be drilled late 1982 or early 1983;  
reserve permit

Winter Ridge Federal #1  
Section 33-T15S-R22E  
Uintah County, Utah

LA

Well will not be drilled; cancel permit

The drilling schedule for wells that will be drilled is tentative and subject to change. Nonetheless, the permits should be retained as valid. Completion and water sands reports for wells drilled in 1981 are forthcoming. I trust that our drilling and reporting delays have not inconvenienced your office.

Very truly yours,

TXO PRODUCTION CORP.



Charles K. Curlee  
Environmental Administrator

CKC/BS



NOTICE OF SPUD

Company: TXO Production Corp.

Caller: BRUCE WRIGHT.

Phone: \_\_\_\_\_

Well Number: Hougen #1

Location: SWSW 14-17S-24E

County: GRAND State: UTAH

Lease Number: U-42480

Lease Expiration Date: \_\_\_\_\_

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 10-5-82 9:45 P.M.

Dry Hole Spudder/Rotary: \_\_\_\_\_

Details of Spud (Hole, Casing, Cement, etc.) 12 1/4" hole  
(TIGHT HOLE)

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: KR

Date: 10-6-82

**RECEIVED**  
OCT 07 1982

DIVISION OF  
OIL, GAS & MINING

TXO PRODUCTION CORP.

HOUGEN FEDERAL "A" #1

SECTION 14-T17S-R24E

GRAND COUNTY - UTAH

**RECEIVED**

NOV 6 5 1982

DIVISION OF  
OIL, GAS & MINING

GEOLOGIC REPORT

BY

JOSEPH J. RUNGE

SUMMIT MOUNTAIN GEOLOGY

WELL SUMMARY

OPERATOR: TXO PRODUCTION CORP.

WELL NAME: HOUGEN FEDERAL "A" #1

LOCATION: 974' FSL 1057' FWL  
SECTION 14-T17S-R24E

AREA: BRYSON RIDGE FIELD

COUNTY: GRAND

STATE: UTAH

ELEVATION: GL 6674' KB 6686'

WELLSITE GEOLOGIST: JOSEPH J. RUNGE

SPUD DATE: OCTOBER 5, 1982

COMPLETION DATE: OCTOBER 20, 1982

CONTRACTOR: VECO DRILLING RIG #3

COMPANY ENGINEER: RANDY WALCK

HOLE SIZE: 12¼" to 300'; 8 3/4" to 2050'; 6¼" to 5320

CASING SIZE: 9 5/8" to 300'; 7" to 2040'; 4½" to 5320

MUD COMPANY: DRILLING FLUIDS ASSOCIATES, GRAND JCT

AIR CONTRACTORS: VECO AIR DRILLING

ELECTRIC LOGGING CO.: GEARHART WELL SERVICES, GRAND JUNCTION

TYPES OF LOGS: DIL-GR: FDC-CNL-CAL-GR

OBJECTIVES: DAKOTA SANDS

TOTAL DEPTH: 5320

STATUS: RUN PRODUCTION PIPE THRU DAKOTA FORMATION

WELL CHRONOLOGY

HOUGEN FEDERAL "A" #1

1982 DATE	MIDNIGHT DEPTH	FT/ DAY	DAILY OPERATIONS
10-5	-0-	-0-	Rig up- Spud at 10:00 pm
10-6	-0-	42	Drlg 12¼" surface- Survey- TD surface- Blow hole- Trip out to run csg- Try to run csg- No go- Ream hole- Run csg- Wash to bottom 27 ft
10-7	42	283	Cmt csg- Woc- Nipple up- drl mouse hole- Pres test manifold & rams to 500 psi- Tag cmt- Drlg
10-8	325	1257	Survey- Blow hole dry- Drlg
10-9	1622	438	Drlg- TD intermediate @ 2000'- Lay down collars- Pick up & run 7" csg- Cmt csg- Nipple up- Pick up 4 3/4" & BHA- Pres test pipe rams & hydrill Go in hole- Blow hole
10-10	2060	865	Drlg cmt shoe- Dry hole- Drlg new hole
10-11	2925	738	Drlg- Toh for NB#4- 45 sec flare after trip- Drlg- Survey- Change out rotating rubber
10-12	3663	647	Drlg- Survey- Devation problems- Decrease wt to 6-8M
10-13	4310	425	Drlg- Survey- Run 3-4M on bit- Trip for NB#5 and remove BHA
10-14	4735	540	TIH- Drlg- Survey- Hit gas @ 5225- Continous @ 5227- Work stuck pipe
10-15	5275	-0-	Work stuck pipe- String parted- Mud up- Pooh- W/o overshot- Tih w/overshot- Tag fish- Jaring on string- Rig up free point- Back off collars
10-16	5275	-0-	Chain out with fish- Pick up jars- TIH- Screw into fish- Jar on fish- Pooh- Chain out- Pick up wash over pipe- Trip in
10-17	5275	-0-	Wash over fish- Pooh to change wash

wash pipe shoe

10-18	5275	-0-	TIH- Wash over fish- TOH- Run in hole open ended- Screw into fish- TOH W/ fish- Lay down fish- Trip in hole w/ bit
10-19	5275	45	TIH w/bit- Drlg ahead- TD hole at 5320- Short trip- TOH for logs- Logging
10-20	5320	-0-	Run in hole- Come out laying down- Run production csg- Cmt csg- Rig down



WELL NAME HOUGEN FEDERAL "A" #1 COUNTY GRAND STATE UTAH

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
		134	1°	5140	10 3/4°		
		440	1/2°	5200	10 1/2°		
		939	2°				
		1247	2°				
		1560	2 1/2°				
		2183	3 1/2°				
		2490	3 3/4°				
		2801	3 3/4°				
		3108	4 1/4°				
		3416	5 3/4°				
		3571	6°				
		3724	6 1/2°				
		3878	6 3/4°				
		4000	7 1/2°				
		4124	7°				
		4240	7 3/4°				
		4367	8°				
		4488	8°				
		4610	8 1/4°				
		4733	8 1/2°				
		4825	9 1/2°				
		4959	10°				
		5021	10°				
		5081	10 1/2°				

SUMMIT MOUNTAIN GEOLOGY  
GRAND JUNCTION, COLO.

DEVIATION SURVEYS

FORMATION TOPS

FORMATION	PROJECTED	DRILL TIME	"E" LOG	DATUM
BUCK TONGUE	1340	1360	1390	5296
CASTLEGATE	1490	1514	1656	5030
MANCOS	1750	1760	2040	4646
MANCOS "B"	-----	?	2335	4351
BASE MANCOS "B"	-----	3150	3170	3516
FRONTIER	-----	4740	4730	1956
DAKOTA SILT	4950	5000	5016	1670
DAKOTA FM	-----	5055	5072	1614
1st Kd SAND	-----	5095	5094	1592
2nd Kd SAND	-----	5130	5132	1554
3rd Kd SAND	-----	5155	5170	1516
4th Kd SAND	-----	5200	5190	1496
BUCKHORN	-----	5235	5360	1426
MORRISON	5240	5275	5280	1406

TOPS COMPARED TO NEAREST OFFSET GRAND COUNTY, UTAH

FORMATION	TXO PRODUCTION CORP. HOUGEN FEDERAL "A" #1 SEC. 14-T17S-R24E		TENNECO OIL COMPANY POGO USA NO. 15-9 SEC. 15-T17S-R24E	
	"E" LOG	DATUM	"E" LOG	DATUM
BUCK TONGUE	1390	5296	1550	5325
CASTLEGATE	1656	5030	1695	5180
MANCOS	2040	4646	1950	4925
MANCOS "B"	2335	4351	2340	4535
BASE MANCOS "B"	3170	3516	3180	3695
FRONTIER	4730	1956	4930	1945
DAKOTA SILT	5016	1670	5154	1721
DAKOTA FM	5072	1614	5222	1653
1st Kd SAND	5094	1592	----	----
2nd Kd SAND	5132	1554	----	----
3rd Kd SAND	5170	1516	----	----
4th Kd SAND	5190	1496	5330	1545
BUCKHORN	5260	1426	5388	1487
MORRISON	5280	1406	5420	1455



COMPANY TXO PRODUCTION CORP.  
WELL NAME HOUGEN FEDERAL "A" #1  
LOCATION SECTION 14-T17S-R24E GRAND COUNTY, UTAH

ZONE OF INTEREST NO. 1

INTERVAL: From 5190 To 5225

DRILL RATE: Abv 1 min/ft Thur .5 - 2 min/ft Below 1.0 min/ft

FORMATION NAME DAKOTA MEMBER 4th sand

Continued on #1a

ZONE DRILL RATES	ZONE "E" LOG DEPTHS		OhmM	'E' LOG ANALYSIS		X PLOT Ø
				POROSITY N	% SW D	
	5190	95	15	6	6	
	95	5200	20	12	12	
	5200	05	15	18	21	3
	05	10	7	22	23	1
	10	15	7	12	20	8
	15	20	7	12	21	9
	20	25	10	11	18	7

TYPE SHOW INCREASE : GRADUAL  SHARP \_\_\_\_\_

SHOW VARIATION WITHIN ZONE: STEADY  ERRATIC  INCREASING  DECREASING \_\_\_\_\_

FLUORESCENCE: MINERAL \_\_\_\_\_ EVEN  SPOTTY \_\_\_\_\_ STREAMING  FLASHING \_\_\_\_\_ HALEO \_\_\_\_\_

NONE \_\_\_\_\_ CUT: NONE \_\_\_\_\_ SLOW \_\_\_\_\_

POOR \_\_\_\_\_ % in Total Sample 100% POOR \_\_\_\_\_ MOD

FAIR  % in Show Lithology 100% FAIR  FAST \_\_\_\_\_

STAIN: NONE \_\_\_\_\_ POOR \_\_\_\_\_ FAIR \_\_\_\_\_ GOOD \_\_\_\_\_ LIVE \_\_\_\_\_ DEAD \_\_\_\_\_ RESIDUE \_\_\_\_\_ EVEN \_\_\_\_\_

POROSITY: POOR \_\_\_\_\_ FAIR \_\_\_\_\_ GOOD  KIND INTRAGRANULAR

LITHOLOGY: SS CLR FGR RD WSRTD FREE

NOTIFIED: Jim Williams At 7:20 pm HRS. DATE 10-14-82

REMARKS: Intermittant flare while drilling at first 10 ft Constant flare  
at 5220 and gained in length at bottom of sand

ZONE DESCRIBED BY: Joe Runge



COMPANY TXO PRODUCTION CORP.  
WELL NAME HOUGEN FEDERAL "A" #1  
LOCATION SECTION 14-T17S-R24E GRAND COUNTY, UTAH

ZONE OF INTEREST NO. 1a

INTERVAL: From 5225 To 5255

DRILL RATE: Abv \_\_\_\_\_ Thur \_\_\_\_\_ Below \_\_\_\_\_

FORMATION NAME DAKOTA MEMBER 4th sand

ZONE DRILL RATES	ZONE "E" LOG DEPTHS		OhmM	'E' LOG ANALYSIS			X PLOT Ø
				N	D	% SW	
	5225	30	20	10	18		8
	30	35	30	8	18		10
	35	40	10	10	18		8
	40	45	5	14	22		8
	45	50	8	12	19		7
	50	55	7	9	12		3

TYPE SHOW INCREASE : GRADUAL \_\_\_\_\_ SHARP X

SHOW VARIATION WITHIN ZONE: STEADY X ERRATIC \_\_\_\_\_ INCREASING X DECREASING \_\_\_\_\_

FLUORESCENCE: MINERAL \_\_\_\_\_ EVEN X SPOTTY \_\_\_\_\_ STREAMING X FLASHING \_\_\_\_\_ HALEO \_\_\_\_\_  
NONE \_\_\_\_\_ CUT: NONE \_\_\_\_\_ SLOW \_\_\_\_\_  
POOR \_\_\_\_\_ % in Total Sample 100% POOR \_\_\_\_\_ MOD X  
FAIR X % in Show Lithology 100% FAIR X FAST \_\_\_\_\_

STAIN: NONE X POOR \_\_\_\_\_ FAIR \_\_\_\_\_ GOOD \_\_\_\_\_ LIVE \_\_\_\_\_ DEAD \_\_\_\_\_ RESIDUE \_\_\_\_\_ EVEN \_\_\_\_\_

POROSITY: POOR \_\_\_\_\_ FAIR \_\_\_\_\_ GOOD X KIND Intragranular

LITHOLOGY: SS clr f-mgr wrded msrtd free

NOTIFIED: Jim Williams At 11:00 pm HRS. DATE 10-14-82

REMARKS: Flare cleaned up at bottom of sand and eventually reached 50 feet in length

ZONE DESCRIBED BY: Joe Runge



**Summit Mountain**  
Geology, Inc.  
Well Site Geology

COMPANY TXO PRODUCTION CORP.  
WELL NAME HOUGEN FEDERAL "A" #1  
LOCATION SECTION 14-T17S-R24E GRAND COUNTY, UTAH

ZONE OF INTEREST NO. 2

INTERVAL: From 5261 To 5282

DRILL RATE: Abv 2.0 min/ft Thur 1.0 min/ft Below 2.0-10.0 min/ft

FORMATION NAME DAKOTA MEMBER BUCKHORN

ZONE DRILL RATES	ZONE "E" LOG DEPTHS		OhmM	'E' LOG ANALYSIS			X PLOT Ø
				POROSITY	% SW		
	5262	64	15	10	10		
	64	66	15	9	12		3
	66	68	15	7	10		3
	68	70	10	16	16		
	72	74	10	12	12		
	74	76	15	12	17		5
	76	78	15	11	16		4
	78	80	18	10	13		3
	80	82	10	20	20		

TYPE SHOW INCREASE : GRADUAL ? SHARP \_\_\_\_\_

SHOW VARIATION WITHIN ZONE: STEADY \_\_\_\_\_ ERRATIC \_\_\_\_\_ INCREASING ? DECREASING \_\_\_\_\_

FLUORESCENCE: MINERAL \_\_\_\_\_ EVEN \_\_\_\_\_ SPOTTY X STREAMING X FLASHING \_\_\_\_\_ HALEO \_\_\_\_\_  
NONE \_\_\_\_\_ CUT: NONE \_\_\_\_\_ SLOW X  
POOR X % in Total Sample TR POOR X MOD \_\_\_\_\_  
FAIR \_\_\_\_\_ % in Show Lithology TR FAIR \_\_\_\_\_ FAST \_\_\_\_\_

STAIN: NONE X POOR \_\_\_\_\_ FAIR \_\_\_\_\_ GOOD \_\_\_\_\_ LIVE \_\_\_\_\_ DEAD \_\_\_\_\_ RESIDUE \_\_\_\_\_ EVEN \_\_\_\_\_

POROSITY: POOR \_\_\_\_\_ FAIR X GOOD \_\_\_\_\_ KIND Intergranular

LITHOLOGY: SS Clr fgr sbrd v slty free

TIFIED: Jim Williams At 11:00 pm HRS. DATE 10-14-82

REMARKS: Formation wet at 5275 Pipe became stuck at this point

ZONE DESCRIBED BY: Joe Runge

SAMPLE DESCRIPTION

1000-30	SH	80%	blk v carb mic occ slty frm
	COAL	20%	blk shly shinny
1030-60	SH	70%	m-dkgy blk mic bcm sdy frm sl calc
	SS	30%	gy-wh fgr sbrd free
1060-90	SH	100%	blk dkgy carb strngrs frm
1090-1120	SH	100%	blk-dkgy sl mic frm-hd sdy
1120-50	SH	100%	dkgy mgy sl mic slty & sdy frm sl calc
1150-80	SS	100%	wh- s&p fgr rd free
1180-1210	SH	70%	dkgy mic frm sl calc
	SS	30%	wh-s&p fgr sbrd free
1210-40	SH	80%	a/a
	SS	20%	dkgy brn mic sbrd frm-free
1240-70	SH	100%	dkgy-blk mic slty stngers sl calc
1270-1300	SH	100%	m-dkgy mic trs free sd
1300-30	SS	100%	s&p gy vfgr sbrd free
1330-60	SH	100%	m-dkgy mic sdy ip frm sl calc
1360-90	SH	100%	m-dkgy mic frm sl calc
1390-1420	SH	100%	a/a
1420-50	SH	80%	m-dkgy mic sdy frm sl calc
	SS	20%	ltgy wh vfgr sbrd free
1450-80	SH	100%	dkgy-blk v mic frm sl calc
1480-90	SH	100%	dk-mgy mic frm calc
1490-1500	SH	100%	m-dkgy mic bcm sdy frm sl calc
1500-10	SH	100%	a/a
1510-20	SS	100%	clr-wh vfgr sbrd-sbang psrtd free
1520-30	SS	100%	clr-wh vfgr sbrd msrtd free
1530-40	SS	100%	clr-wh smky fgr sbrd msrtd free
1540-50	SS	100%	a/a
1550-60	SH	100%	blk-dkgy mic sdy frm sl calc
1560-70	SH	100%	blk-dkgy sl mic frm
1570-80	SS	100%	ltgy clr vfgr sbrd free
1580-1600	SH	100%	m-dkgy mic frm sl calc
1600-20	SS	100%	ltgy wh vfgr sbang free
1620-30	SH	100%	dkgy mic frm sl calc
1630-40	SS	100%	dkgy brn vfgr sbang free
1640-50	SH	100%	dkgy mic sdy frm sl calc
1650-60	SS	100%	brn-smky vfgr sbang slty free
1660-1700	SS	50%	a/a
	SH	50%	brn-dkgy mic vsdy frm-sft calc
1700-30	SS	100%	clr-wh vfgr sbrd free
1730-60	SH	100%	dkgy mic frm sl calc
1760-90	SH	100%	a/a
1790-1820	SH	100%	dkgy mic frm v calc
1820-50	SH	100%	m-dkgy brngy mic sdy frm-hd sl calc
1850-1900	SH	100%	dkgy charcoal mic frm calc
1900-30	SH	100%	a/a bcm v slty
1930-60	SS	30%	clr-wh fgr sbrd free
	SH	70%	charcoal gy mic sdy frm sl calc

1960-90	SS	100%	clr-wh fgr sbang free
1990-2050	SH	100%	blk charcoal gy mic slty strngrs frm
2050-2100	SH	100%	dkgy blk mic frm calc
2100-50	SH	100%	dkgy mic frm calc
2150-2200	SH	100%	dkgy mic frm calc
2200-50	SH	100%	a/a
2250-2300	SH	100%	m-dkgy mic frm sl calc
2300-50	SH	100%	m-dkgy sl mic frm trs slt free
2350-2400	SH	100%	a/a
2400-50	SH	100%	m-dkgy sl mic frm sl calc
2450-2500	SH	100%	dkgy slty sft calc
2500-50	SH	100%	dkgy mic trs free slt
2550-2600	SH	100%	dkgy brn mic frm powder
2600-2700	SH	100%	dkgy brngy slt mic ip frm sl calc
2700-50	SH	100%	m-dkgy sl mic frm- powder
2750-2800	SH	100%	m-dkgy sl mic powder
2800-2900	SH	100%	pred powder
2900-50	NO	SAMPLE	
2950-3000	SH	100%	pred powder dkgy trs mic
3000-50	SH	100%	m-dkgy trs mic (powder)
3050-3100	SH	100%	dkgy blk mic sft
3100-50	SH	100%	a/a
3150-3200	SH	100%	m-dkgy mic vslty frm sl calc
3200-3400	SH	100%	m-dkgy blk vmic frm-sft (powder)
3400-50	SLTST	100%	olive brn dkgy free
3450-3500	SH	100%	dk-blk mic olive brn slt free
3500-50	SH	100%	a/a
3550-3600	SH	100%	m-dkgy charcoal gy mic trs clr slt free
3600-50	SH	100%	m-dkgy vmic trs free clr slt
3650-3700	SLTST	100%	clr-smky sbrd-sbang free
3700-50	SH	40%	dk-ltgy mic vslty strngrs sft
	SLTST	60%	clr-gy sbang free
3750-3800	SH	30%	a/a
	SLTST	70%	smky gy sbang free
3800-50	SH	70%	m-dkgy occ ltgy sl slty sft (powdery)
	SLTST	30%	clr-gy sbang free
3850-3900	SH	50%	a/a
	SLTST	50%	a/a
3900-50	SH	50%	m-dkgy occ ltgy slty
	SLTST	50%	clr-smky sbang free
3950-4000	SH	100%	m-dkgy mic slty
4000-50	SH	70%	dkgy mic vslty powdery
	SLTST	30%	clr sbrd-sbang free
4050-4100	SH	100%	dk-ltgy sl mic slty powder
4100-50	SH	100%	dk-mgy occ brn mic sft
4150-4200	SH	100%	a/a
4200-50	SH	100%	mgy-brngy mic trs clr free slt
4250-4300	SH	100%	a/a
4300-4400	SH	100%	m-dkgy occ blk mic sft sl calc
4400-30	SLTST	100%	clr-brn sbrd free
4430-60	SLTST	70%	clr-brn sbrd-sbang free
	SH	30%	m-dkgy brn mic frm-sft

4460-90	SLTST	90%	clr sbrd free
	SS	10%	clr vfgr sbrd grdg to sltst free
4490-4520	SH	100%	m-dkgy blk mic
4520-50	SH	100%	m-dkgy blk mic sl calc
4550-80	SH	100%	pred blk vmic sl calc
4580-4610	SH	100%	blk dkgy mic sl calc
4610-40	SH	100%	a/a
4640-70	SH	100%	blk-dkgy brn bcm slty mic sl calc
4670-4700	SS	30%	clr-wh vfgr sbrd-sbang vslty free
	SH	70%	blk mic slty & sdy ip
4700-30	SH	100%	blk mic trs slt & sd sl calc
4730-60	SH	100%	blk mic slty
4760-90	SLTST	100%	vclr-smky sbrd free
4790-4820	SH	100%	blk-dkgy mic slty
4820-50	SLTST	100%	clr sbrd hvy trs clr fgr sbang sd free
4850-80	SH	100%	blk dkgy mic slty & sdy
4880-4900	SS	100%	clr f-mgr sbang ang free
4900-10	SH	90%	lt-mgy occ blk vmic sdy
	SS	10%	clr vfgr sbrd ang free
4910-20	SH	90%	ltgy occ dkgy v mic slty trs mgr sbang sd
	SLTST	10%	gy-clr sbrd vsdy free
4920-30	SH	100%	m-dkgy pred ltgy v mic trs clr ang fgr sd
4930-40	SH	100%	ltgy mic slty & sdy
4940-50	SH	100%	m-ltgy v mic trd pyrite vslty free
4950-60	SH	80%	a/a
	SLTST	20%	clr sbrd free trs of free fgr sd
4960-70	SH	80%	dkgy mic frm
	SLTST	20%	clr sbrd free
4970-80	SLTST	100%	clr-smky blk sbrd free
4980-90	SLTST	80%	clr-smky sbrd-sbang free
	SS	20%	clr-wh f-mgr sbang free
4990-5000	SLTST	100%	clr-smky sbrd free
	SS	TR	clr f-mgr sbang free
5000-10	SLTST	100%	clr-smky sbrd free
5010-20	SLTST	100%	clr-smky sbrd grdg to vfgr clr ss
5020-30	SLTST	100%	clr-smky sbrd free tr clr vfgr rd ss
5030-40	SLTST	90%	a/a
	SS	10%	clr vfgr sbrd-rd free
5040-50	SS	100%	clr blk smky vfgr sbrd sbang free
5050-60	SH	100%	dkgy-blk v mic sl calc
5060-70	SLTST	100%	clr-smky sbrd-rd free
5070-80	SLTST	clr sbrd-rd occ grdg to wrded sd	
5080-90	SH	100%	blk brn mic frm
5090-5100	SS	100%	clr vfgr sbrd slty psrtd free
5100-10	SLTST	90%	clr smky sbrd free
	SS	10%	clr vfgr sbrd free
5110-20	SLTST	100%	clr smky sbrd free
5120-30	SLTST	90%	smky blk sbrd free
	SS	10%	clr fgr sbrd free
5130-40	SS	100%	clr-smky f-mgr sbrd free
5140-50	SS	100%	clr fgr sbrd wsrtd free
5150-60	SS	100%	clr-smky vf-fgr sbrd vslty free

5160-70	SS	100%	clr vf-fgr sbrd v slty free
5170-80	SS	100%	clr vfgr sbrd v slty free
5180-90	SLTST	100%	clr-smky grdg to vfgr clr ss
5190-5200	SLTST	100%	a/a
5200-10	SS	100%	clr-smky fgr sbrd-rd free
5210-20	SS	100%	clr fgr rd wsrtd free
			DULL YEL ORNG FLUO MOD STRMG CUT
5220-30	SS	100%	clr f-mgr wrded msrtd free
			DULL YEL ORNG FLUO MOD STRMG CUT
5230-50	NO SAMPLE		DUE TO GAS
5250-60	SH	100%	m-dkgy mic occ trs sd
5260-70	SS	100%	clr mgr sbang free
			DULL YEL FLUO MOD STRMG CUT
5270-80	SS	100%	clr fgr sbrd v slty free
5280-90	SH	100%	ltgrn-ltgy mic bentic sft v calc
5290-5300	SH	100%	blk-gygrn mic sdy frm-hd
5300-20	SH	80%	blk-gygrn redbrn bentic cly frm-sft calc
	SS	20%	grn-ltgrn f-mgr sbrd vhd

## GEOLOGIC SUMMARY

&

## ZONES OF INTEREST

### DAKOTA SILT (5016-5072)

The top of the silt was cut at 5016. Samples showed a clear to smoky, subround to round, well sorted siltstone. At times the siltstone grades to a clear, very fine grained sandstone near the bottom.

### DAKOTA FORMATION (5072-5280)

#### 1st DAKOTA SAND (5095-5112)

The first sand of the Dakota formation was cut at 5095. Samples showed a clear, very fine grained, subround, very silty sand. The Induction log shows that this interval is very tight. No shows were noted while drilling the sand.

#### 2nd DAKOTA SAND (5132-5164)

The second sand was topped at 5132. Logs and drilling time show 30 feet of sand. Samples show a smoky black subround siltstone at the top. From the middle to the bottom of the sand, samples were clear to smoky, fine to medium grained, subround, occasionally well sorted and free. Logs show a resistivity of 10 ohms at the top to 35 ohms at the bottom. Porosities run in the 10% area thru out most of the sand.

#### 3rd DAKOTA SAND (5172-5184)

The third sand is poorly developed in the Hougen "A" #1. Samples indicate a very poorly developed sand with large silt stringers interbedded. Resistivity and porosity is very low thru the sand. No shows were noted.

#### 4th DAKOTA SAND (5192-5256)

The top of the fourth sand was penetrated at 5192. Sixty four feet of sand is noted on the logs. The average API reading on the gamma ray is 20. Samples indicate the top 16 feet to be a silty sandstone, with the quality of sand becoming better toward the bottom. At 5220, samples show a clear, fine grained, round, well sorted and free sand. Dull yellow-orange fluorescence was noted along with moderate streaming cuts in the samples. Samples from 5230-60 were clear, medium grained, well sorted, subround to round, with an occasional sub angular grain inter mixed.

An intermitant flare was noted first at 5207. At 5220 the intensity of the flare became constant and 20 feet long. By the bottom of the sand the flare had become dark orange in color and 50 feet long.

The resistivites are low (7-10 ohms) in the top 30 feet of the sand. The best resistivity of 30 ohms is from 5230-40. X-plot porosities average 14% thru the sand with the best being from 5230-40 where the neutron dropped to 8%, and the density went up to 19%. X-plot porosity is from 14-16% thru this zone.

BUCKHORN (5262-5282)

Samples thru the Buckhorn were clear, medium grained, sub angular and hard. The sand became wet at 5275. Resistivity and porosities are low thru the sand. It is hard to determine whether the flare increased when penetration of the Buckhorn was made. By 5275 the flare had reached 65 feet in length.

A connection was made at 5275. At this point the formation must have become wet because the drill string became stuck. After pulling the collars in two, it became necessary to mud up.

MORRISON (5282-TD)

The top of the Morrison in this area ia predominatly a light green to black shale, with occassional stringers of green glaucanitic siltstone and sandstone. No brushy basin sands were noted in the 50 foot section of the Morrison drilled.

As always, It has been a great pleasure working for the fine people at TXO Production Corp. I am looking forward to doing more work in the area in the future. If there is anything I can help with on the interpetation or in general, please feel free to call at anytime.



Joseph J. Runge

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

November 30, 1982

DIVISION OF OIL, GAS, & MINING  
4241 State Office Building  
Salt Lake City, Utah 84114

Attn: Mr. Cleon B. Feight  
Director

RE: HOUGEN FEDERAL "A" #1  
Section 14, T17S-R24E  
Grand County, Utah

Dear Mr. Feight:

Enclosed find two (2) copies of Form 9-330, "Well Completion or Recompletion Report and Log" and copies of the well history and logs for the above referenced well.

If there are any further requirements concerning this well, please contact me at this office.

Sincerely,

TXO PRODUCTION CORP.



R. Bruce Wright  
Petroleum Engineer

RBW/dek  
encls.

**RECEIVED**

DEC 06 1982

DIVISION OF  
OIL, GAS & MINING



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

3  
13

5. LEASE DESIGNATION AND SERIAL NO.

U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

Hougen Federal "A"

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec. 14-T17S-R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

**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

TXO Production Corp.

3. ADDRESS OF OPERATOR

1800 Lincoln Center Bldg; Denver, Colorado 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 794' FSL, 1057' FWL

At top prod. interval reported below  
Same as above

At total depth  
Same as above

SWSW

14. PERMIT NO.

43-019-30799

DATE ISSUED

5/18/81

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

15. DATE SPUDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

10/05/82

10/19/82

11/16/82

6686' KB

6674'

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

5320'

5272' KB

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

Rotary Tools  
All

Cable Tools  
None

5216'-5250' Dakota  
5200'-5206'

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-DIL GR-FDC-CNL

Sample

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
9-5/8"	36#	322'	12 1/2"	160 SX	None
7"	20#	2040'	8-3/4"	200 SX	None
4 1/2"	10.5#	5320'	6 1/2"	200 SX	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5135'	None

31. PERFORATION RECORD (Interval, size and number)

5216'-5250'; 1 shot/2 ft., 0.38"  
5200'-5206'; 1 shot/1 ft., 0.38"

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5216'-5250' & 5200'-5206'	25000 Scf N2 pad; 1500 gal 7 1/2% HCL MSR 100; 750 Scf/bbl N2

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
11/16/82	Flowing	SI WOPL					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/16/82	24	1/4"	→	--	533	--	--
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
350#	390#	→	--	533	--	--	

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

TEST WITNESSED BY

Wes Sutton

35. LIST OF ATTACHMENTS

Logs, Well History

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

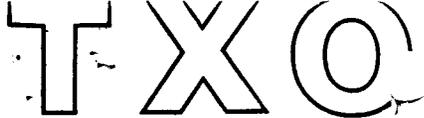
SIGNED R. Bruce Wright

TITLE Petroleum Engineer

DATE 11-29-82

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





WELL NAME: Hougen Federal "A" #1 PTD: 5350'  
 AREA: Bryson Canyon ELEVATIONS: 6674' GL, 6686' KB  
 LOCATION: Section 14, 17S-24E CONTRACTOR: Veco #2  
 COUNTY: Grand AFE NUMBER: 830330  
 STATE: Utah LSE NUMBER: 93942  
 FOOTAGE: 794' FSL & 1057' FWL TXO WI: 37.5%

\*\*\*\*\*

GRANITE CORP. Mail AMERICAN PETROFINA  
 360 S. Monroe 1934 Campbell Cntr. North Tower  
 Denver, Co. 80209 8350 N. Central Expressway  
 Attn: Bill Kimball Dallas, Tx 75036

TENNECO OIL COMPANY Call & Mail MAIL ONLY  
 6061 S. Willow  
 Englewood, Co. 80155  
 Attn: Doris Maly  
 Ph: (303) 740-4800 x 398

~~Linda Henry~~ R. J. Fuller Mail  
 7202 Eccles Drive  
 Dallas, Tx 75227

\*\*\*\*\*

- 10/06/82 165' (165'), drlg. Surf. Dust 50#. Spud 12-1/4" hole @ 9:45 PM on 10/05/82. 1" @ 130'. DW: 27,188. CW: 27,188. DD 1.
- 10/07/82 325' (160'), WOC. Surf. Dust 50#. Drld from 165' to 265' and experienced + 15' of fill on connections. Last 2 connections dn to 325' experienced no fill. TOOH to run csg. Couldn't run csg below 40'. POOH w/ csg. Reamed out tight hole from 30-40'. RU & ran 8 jts, 9-5/8", 36#, K-55, ST&C. Set @ 322'. FC @ 309'. Washed dn 27' of fill w/ air after tagging w/ csg. Pumped 40 bbls gelled wtr, 10 bbls wtr spacer, cmtd w/ 100 sxs 50/50 poz w/ 2% gel, 2% CaCl<sub>2</sub>, 1/4#/sx celloflake. PD @ 12:45 AM on 10/07/82. Didn't bump plug. Float didn't hold, no returns. RIH w/ 1" pipe, tagged cmt @ 30' on backside, filled backside to surf through 1" pipe w/ 50 sxs Cl "B". DW: 21,594. CW: 48,882. DD 2.
- 10/08/82 662' (337'), drlg. Mesaverde. Dust 100#. Fin WOC & NU BOP. TIH w/ bit & tag cmt @ 287'. Drill out cmt, blow hole dry, resume drlg. 1/2" @ 440'. DW: 10,507. CW: 58,974. DD 3.
- 10/09/82 2061' (1399'), TOOH to run 7" csg. Mancos Fm. Bucktongue @ 1360', Castlegate @ 1514', Mancos @ 1760'. 2" @ 939', 2" @ 1247', 2-1/2" @ 1560'. DW: 49,569. CW: 108,543. DD 4.
- 10/10/82 2214' (153'), drlg. Mancos Fm. Dust 180#. Drld w/ dust to 2000'. Strapped OOH, made strap correction to 2061'. RU & ran 45 jts 7", 20#, K-55, ST&C, set @ 2040'. FC @ 1995'. Pumped 80 BM, 10 BM flush, 10 BW spacer, cmtd w/ 100 sxs 50/50 poz w/ 2% gel, 2% CaCl<sub>2</sub> & 1/4#/sx celloflake, tail w/ 100 sxs Cl "G" w/ 2% gel, 2% CaCl<sub>2</sub> & 1/4#/sx celloflake. Had full returns to surf when dsplmt began. PD @ 12:30 PM on 10/09/82. BP to 1400#. Float held OK. Set slips, cut-off csg & NU BOP. TIH, tag cmt @ 1995'. Drl cmt, blow hole dry & resume drlg. 3-1/4" @ 2061'. DW: 40,765. CW: 149,308. DD 5.
- 10/11/82 2973' (759'), drlg. Mancos Fm. Dust 180#. 3-1/2" @ 2183', 3-3/4" @ 2480', 3-3/4" @ 2801'. DW: 15,200. CW: 164,508. DD 6.
- 10/12/82 3850' (877'), drlg. Mancos Fm. Dusting 200#. 45 second flare @ 2935'. 4-1/4" @ 3108', 5-3/4" @ 3416', 6" @ 3570', 6-1/4" @ 3724'. DW: 17,559. CW: 182,067. DD 7.
- 10/13/82 4555' (705'), drlg. Mancos Fm. Dusting 200#. 6-3/4" @ 3878', 7-1/2" @ 4000', 7" @ 4124', 7-3/4" @ 4243', 8" @ 4367'. DW: 14,255. CW: 196,322. DD 8.
- 10/14/82 4910' (355'), drlg. Frontier. Dust 200#. Drlg w/ 3000# on the bit & 75 RPM to try to control deviation. 8" @ 4488', 8-1/4" @ 4610', 8-1/2" @ 4733', 9-1/2" @ 4825'. DW: 8130. CW: 204,452. DD 9.

# TXO

WELL NAME: Hougen Federal "A" #1 PTD: 5350'  
AREA: Bryson Canyon ELEVATIONS: 6674' GL, 6686' KB  
LOCATION: Section 14, T17S-R24E CONTRACTOR: Veco #3  
COUNTY: Grand AFE NUMBER: 830330  
STATE: Utah LSE NUMBER: 93942  
FOOTAGE: 794' FSL & 1057' FWL TXO WI: 37.5%

\*\*\*\*\*

- 11/09/82 5272' PBTD, RU to swab. Swabbed 36 bbls, left FL @ 3400'. TOOH w/ tbg, bit & scraper. RU GO & lubricator. RIH w/ GR-CCL & logged from PBTD to + 4200'. RIH w/ 3-1/8" csg gun & perf from 5216-5250' w/ 1 shot/2 ft, & 5200-5206' w/ 1 shot/ft. Total of 25 holes, 0.38" dia. RD GO. TIH w/ notched collar, SSN & tbg. Landed tbg @ 5135' KB. Installed 10' blast jt @ surf. ND BOP & NU wellhead. RU swab. IFL @ 3400'. Made total of 6 swab runs from SSN, rec 35 BF. FFL @ 4500'. Had slight blow of gas @ surf @ end of last swab run. LOTPON. This AM had 500# SICP, 0# FTP w/ 4' flare & gas rate TSTM. DW: 3950. CW: 327,579.
- 11/10/82 5272' PBTD, RU to swab. Swab well. Made 2 runs, rec 10 bbls. IFL @ 2900'. Well kicked off. Flow well to pit. Well cleaning up. FTP 48#, 3/8" ch, FARO 204 MCFD. Put well on pit overnight, 1/2" ch. Well still cleaning up. RR @ 3 PM. Roads too muddy for rig to leave location. Drop from report until acid breakdown. DW: 7350. CW: 329,929.
- 11/15/82 5272' PBTD, 48 hr SITP 820#, SICP 820#. RU Smith & Nowsco. Circ hole w/ 3% KCL wtr. Brk circ @ surf. Began 25,000 scf N2 pad. Dspl tbg volume less 2 bbls SI annulus. Began acid, pumped 1500 gal 7-1/2% HCL MSR-100 w/ additives & 750 scf/bbl N2 & 40 ball sealers. Began balls after 500 gal acid pumped, 2 per bbl thereafter. MIP 3000#, ATP 2150# @ 4.75 BPM. Had good ball action, did not ball off totally. Dspl acid w/ nitrified 3% KCL wtr. ISIP 1800#, 5 min 990#, 10 min 900#, 15 min 850#. 75 BLTR. RD Smith. RU Nowsco to annulus, opened up well, unloaded well w/ nitrogen. At 6 PM well cleaning up to pit on 3/4" ch, had 200# CP, 0# FTP. Well unloading slugs of wtr w/ med mist. Gas wouldn't burn. LOTPON. Est 25 BLTR. Prior to 48 hr SIP FARO 367 MCFD. DW: 12,229. CW: 342,158.
- 11/16/82 5272' PBTD, continue to flow well to pit to clean up. This AM well flowing w/ 275# FTP, 325# CP, FARO 423 MCFD. Appeared as though well had unloaded a slug of wtr overnight. Will open well up to 3/4" ch to attempt to unload more wtr. DW: 350. CW: 342,508.
- 11/17/82 5272' PBTD, fin cleaning up well. Well dried up to very light mist. Choked well back to 350# FTP, 390# CP on 1/4" ch, FARO 533 MCFD. IP @ 533 MCFD w/ 350# FTP on 1/4" ch. SI & WOPL. Drop from report until first sales. DW: 350. CW: 342,858.

# TXO

WELL NAME: Hougen Federal "A" #1 PTD: 5350'  
 AREA: Bryson Canyon ELEVATIONS: 6674' GL, 6686' KB  
 LOCATION: Section 14, T17S-R24E CONTRACTOR: Veco #3  
 COUNTY: Grand AFE NUMBER: 830330  
 STATE: Utah LSE NUMBER: 93942  
 FOOTAGE: 794' FSL & 1057' FWL TXO WI: 37.5%

\*\*\*\*\*

- 10/15/82 5295' (385'), TIH for fish. Morrison Fm. 8.5, 45, 8.6, 9.5. Dakota Silt @ 5010', 4th Dakota Sd & 5200', Buckhorn @ 5255', Morrison @ 5290'. Began getting steady 40' flare w/o air compressors @ 5220'. Drld to 5295', made connection, began torqueing up & air press built up to 500#. Worked stuck pipe, never pulling more than 30,000# over string wt. Set jars off once @ 3000# over string wt, and once @ 8000# over string wt. 2nd time lost wt on indicator. Pulled up off fish, mudded up hole w/ + 280 bbls mud, got full circ to surf. POOH. Pipe parted in box end of 1st collar above jars. Left bit, 19 - 4-3/4" collars, jars, 1 - 4-3/4" collar in hole. TIH w/ overshot, 3'x6-1/8" w/ 4-3/4" grapple & 5-1/2" fishing neck. 10-1/2" @ 5081', 10-3/4" @ 5140', 10-1/2" @ 5200'. DW: 8736. CW: 213,699. DD 10.
- 10/16/82 5295' (0'), prep to TIH w/ jars to fish. Morrison Fm. 8.5, 75, 8, 9. 2% LCM. Fin TIH w/ overshot. Engaged fish & worked fish, setting off jars w/ 40,000-50,000# over string wt. Made no apparent progress. RU & ran free-point, found pipe to be stuck @ 5231'. Ran back-off charge and backed off @ 5204'. Fish left in hole: 6-1/4" bit, 3 - 4-3/4" DCs. TOOH. Prep to TIH w/ 1 - 4-3/4" collar, jars, 14 - 4-3/4" DCs, and DP. DW: 3634. CW: 216,822. DD 11.
- 10/17/82 5295' (0'), washing over fish @ 5216'. 8.7, 61, 6, 9. LCM 2%. Fin TIH w/ jars. Screwed into fish & jarred @ 40,000-50,000# over string wt. Made no apparent progress. RU & ran free-point, pipe stuck @ 5231'. Backed off @ 5204'. TOOH. PU 6" OD x 5-3/8" ID cutright shoe, 103' 6" OD x 5-3/8" ID wash pipe, 12 - 4-3/4" DCs, jars, 3 - 4-3/4" DCs, & DP & TIH. Have presently washed over 12' of fish. Have full circ to surf. DW: 1718. CW: 218,540. DD 12.
- 10/18/82 5295' (0'), washing over fish @ 5283'. 8.7, 56, 6.2, 9. LCM 1%. Washed over fish to 5253', shoe appeared to be worn out. TOOH. Teeth were in good condition, but shoe worn out on inside and appeared to be tapering. PU new cutright shoe & TIH w/ same BHA. Presently washing over fish @ 5283' & have + 12' of fish to go. DW: 3112. CW: 221,652.
- 10/19/82 5292' (17'), drlg. Morrison Fm. 8.8, 59, 6.5, 9.5. 1% LCM. Fin washing over fish. Circ for 1/2 hr w/ full returns. TOOH w/ wash pipe. TIH w/ 1 - 4-3/4" collar, jars, 14 - 4-3/4" DCs & DP. Screw into fish, & circ for 1/2 hr. PU & pulled 10,000#-15,000# drag initially and then came free. Jars never went off. POOH w/ fish. Collars & bit were both in good condition. Bit was balled up w/ pieces of green shale. Made strap correction to 5275'. TIH w/ new bit to drill rathole for logs. DW: 1690. CW: 223,342. DD 14.
- 10/20/82 5320' (28'), LD DP to run 4-1/2" csg. 8.8, 53, 6.5, 9.5. TD 6-1/4" hole @ 12:45 PM on 10/19/82. Circ for 3/4 hr w/ good returns, made 10 stnd short trip, had no fill. TOOH. RU & ran logs. LTD 5320'. No fill on logs. TIH w/ bit to TD, no fill. Began laying dn drillstring to run 4-1/2" csg. DW: 14,642. CW: 237,984. DD 15.
- 10/21/82 5320' (0'), MORT. Morrison Fm. Fin LD DP & DC. RU & ran 131 jts 4-1/2", 10.5#, K-55, ST&C & set @ 5320'. FC @ 5285'. Circ w/ mud for 15 min, pump 10 bbl mud flush, 10 bbl wtr spacer, 200 sxs Cl "G" w/ 5% KCL, 2% gel, & 3#/sx gilsonite. PD @ 12:45 PM on 10/20/82. BP to 1800#. Float held OK. Full returns throughout job. ND, set slips & cut-off csg. RR @ 3 PM 10/20/82. Drop from report until completion begins. DW: 59,645. CW: 297,629. DD 16.
- 11/07/82 + 5272' KB PBTD, MICT. Unload 2-3/8" tbg, tank & BOP. Tallied in hole w/ 3-7/8" bit & scraper & 2-3/8" tbg. Tag @ 5272' KB. Pull 10 stnds tbg & SDFN. CW: 26,000. CW: 323,629.'
- 11/08/82 SDFS. CW: 323,629.

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  
TXO Production Corp.

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Bldg. Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
794'  
AT SURFACE: 740' FSL 1057' FWL  
AT TOP PROD. INTERVAL: Sec. 14-T17S-R24E  
AT TOTAL DEPTH:

5. LEASE  
U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Hougen Federal "A"

9. WELL NO.  
#1

10. FIELD OR WILDCAT NAME  
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 14-T17S-R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
UTAH

14. API NO.  
43-019-30799

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6686' KB

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input checked="" 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)	<input type="checkbox"/>	<input type="checkbox"/>

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

MAR 7 1984  
DIVISION OF  
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

RU Smith Energy and Liquid Carbonics and frac well on 1-31-84 as per the following procedure:

\*\*See attached page

Pumped total of 160,000# 20-40 & 15,000# 10-20 sand, 100 tons CO<sub>2</sub> & 2265BF. AIR 32.3 BPM, ATP 2033#, MTP 2850#, ISIP 2000#, 5 min 1600#, 10 min 1470#, 15 min 1320#.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Charles H. Johns TITLE Petroleum Engineer DATE February 24, 1984

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Frac Procedure for Hougen Federal "A" #1 which was pumped 1/31/84:

Pump 33000 gallons 40# GWX-07 W/CO2 and W/10% Methanol.

Pump 5000 gallons 40# GWX-07 W/CO2 with .5 ppg 20-40 mesh sand.

Pump 8000 gallons 40# GWX-07 W/CO2 with 1.0 ppg 20-40 mesh sand.

Pump 10000 gallons 40# GWX-07 W/CO2 with 1.5 ppg 20-40 mesh sand.

Pump 10000 gallons 40# GWX-07 W/CO2 with 2.0 ppg 20-40 mesh sand.

Pump 10000 gallons 40# GWX-07 W/CO2 with 2.5 ppg 20-40 mesh sand.

Pump 10000 gallons 40# GWX-07 W/CO2 with 3.0 ppg 20-40 mesh sand.

Pump 8000 gallons 40# GWX-07 W/CO2 with 3.5 ppg 20-40 mesh sand.

Pump 8000 gallons 40# GWX-07 W/CO2 with 4.0 ppg 20-40 mesh sand.

Pump 3750 gallons 40# GWX-07 W/CO2 with 4.0 ppg 10-20 mesh sand.

Pump 3160 gallons slick 2% KCl water W/CO2 to flush to perforations.

18  
Conf.

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
92194019	MOXA FEDERAL #1 16S. 24E. 9	06	02	2	10/85	0800
92313018	BMG FEDERAL #1 16S. 24E. 8	06	02	5	11/85	0800
92232018	MOXA FEDERAL A #1 16S. 24E. 4	06	02	12	12/85	0800
92237010	CREDO FEDERAL #1 16S. 24E. 5	06	02	12	12/85	0930
92239012	CREDO FEDERAL A #1 16S. 24E. 5	06	02	12	12/85	1100
92192016	BAILEY FEDERAL #1 17S. 23E. 9	06	03	13	11/85	0900
92331016	LITTLE BERRY STATE #1 16S. 23E. 2	06	03	12	11/85	1100
92225011	PTASYNSKI FEDERAL #1 17S. 23E. 15	06	03	13	12/85	1000
92258017	SQUIER #1 15S. 23E. 31	06	03	17	12/85	1000
92347010	CISCO SPRINGS A #1 20S. 23E. 9	06	05	12	11/85	1000
92348016	CISCO SPRINGS B #1 20S. 23E. 15	06	05	12	11/85	1100
92026019	BOOK CLIFFS UNIT #3 18S. 22E. 23	06	05		12/85	CODE 84
92298019	WALL FEDERAL #1 16S. 25E. 30	06	07	13	11/85	0900
92310019	LAUCK FEDERAL A #1 16S. 25E. 29	06	07	7	11/85	1030
92261018	BENNION FEDERAL #1 16S. 25E. 30	06	07	9	12/85	1130
92303012	HOUGEN FEDERAL A #1 17S. 24E. 14	06	07	10	12/85	1030
92126013	TEXAS PACIFIC STATE #1 16S. 25E. 36	06	12	7	11/85	0800
92154017	TEXAS PACIFIC STATE #2 16S. 25E. 36	06	12	7	11/85	0900



**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

March 22, 1985

**RECEIVED**

**MAR 29 1985**

**DIVISION OF OIL  
GAS & MINING**

State of Utah  
Division of Oil, Gas and Mining  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Hougen Federal "A" #1-ST #1  
Section 14-T17S-R24E  
Grand County, Utah

Gentlemen:

Enclosed please find three copies of the Application for Permit to Drill and a Drilling Plan submitted to the Moab District BLM for the above-referenced well.

TXO Production Corp. proposes to **reenter** the Hougen Federal "A" #1 and plug back to approximately 2100' and then directionally drill to a new bottomhole location (see Drilling Plan). If additional information is required or if you have any questions please contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

Terry I. Blankenship  
Environmental Scientist

TLB/gbp

Enclosure



RECEIVED

Form 5160-3  
(November 1983)  
(formerly 9-3316)

MAR 29 1985

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DIVISION OF OIL  
GAS & MINING  
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK   
RE ENTRY  
b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
TXO Production Corp. Attn: T.L. Blankenship

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Bldg., Denver, CO 80264 (303) 861-4246

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
794' FSL, 1057' FWL Section 14-T17S-R24E SWSW  
At proposed prod. zone  
1940' FSL, 1980' FWL Section 14-T17S-R24E NE/SW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
Approximately 31 miles NW of Mack, Colorado

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
700'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
2783'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6674' GR

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	4 1/2"	10.5# K-55	5300' TVD 5813' MD	150 sacks

5. LEASE DESIGNATION AND SERIAL NO.  
U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Hougen Federal

9. WELL NO.  
"A" #1 - ST #1

10. FIELD AND POOL, OR WILDCAT  
~~SAN ANTONIO~~ Bryan Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 14-T17S-R24E

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

16. NO. OF ACRES IN LEASE  
320

19. PROPOSED DEPTH  
5300'

20. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START\*  
May 1, 1985

TXO Production Corp. proposes to side track from the Hougen Federal "A" #1 according to the program listed in the Drilling Plan. TXO then proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the following table:

	TVD	Deviation	Angle	MD
Kickoff Depth	2100'	0.0'	0.0°	2100'
Angle Established	3848'	595'	37.6°	3980'
Initial Objective	4986'	1471'	37.6°	5416'
Total Depth	5300'	1713'	37.6°	5813'

The bottomhole target (Dakota sand group) is planned with a 200' target radius to comply with applicable state spacing regulations.

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 Ronald E. Dashner TITLE Drilling & Production Mgr. DATE March 22, 1985

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL GAS AND MINING  
DATE: 4/2/85  
BY: John R. Bays  
WELL SPACING: Case No. 165-4

\*See Instructions On Reverse Side

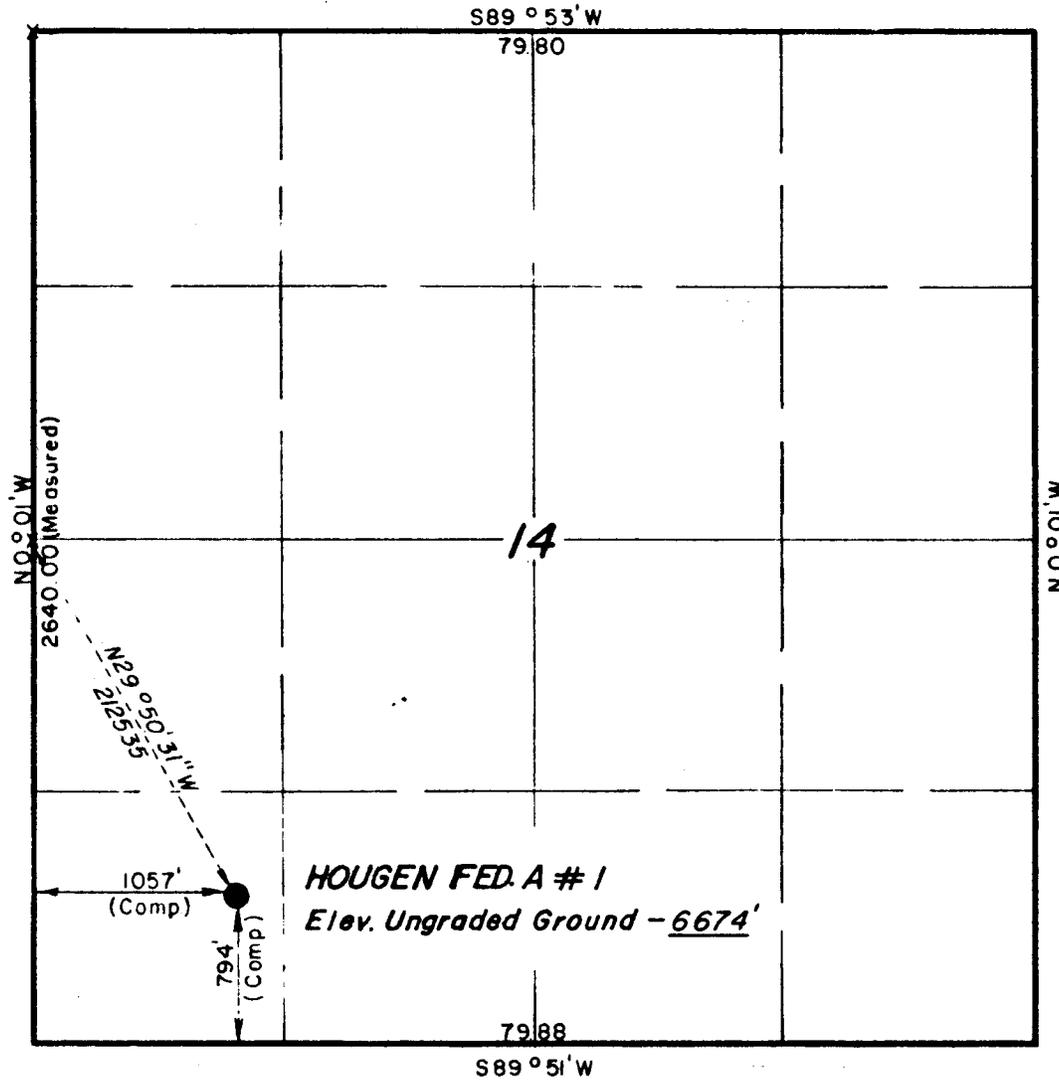
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

T17S, R24E, S.L.B. & M.

PROJECT

TEXAS OIL & GAS

Well location, *HOUGEN FED A #1*  
 located as shown in the SW1/4SW1/4  
 Section 14, T17S, R24E, S.L.B. & M.  
 Grand County, Utah.



X = Section Corners Located

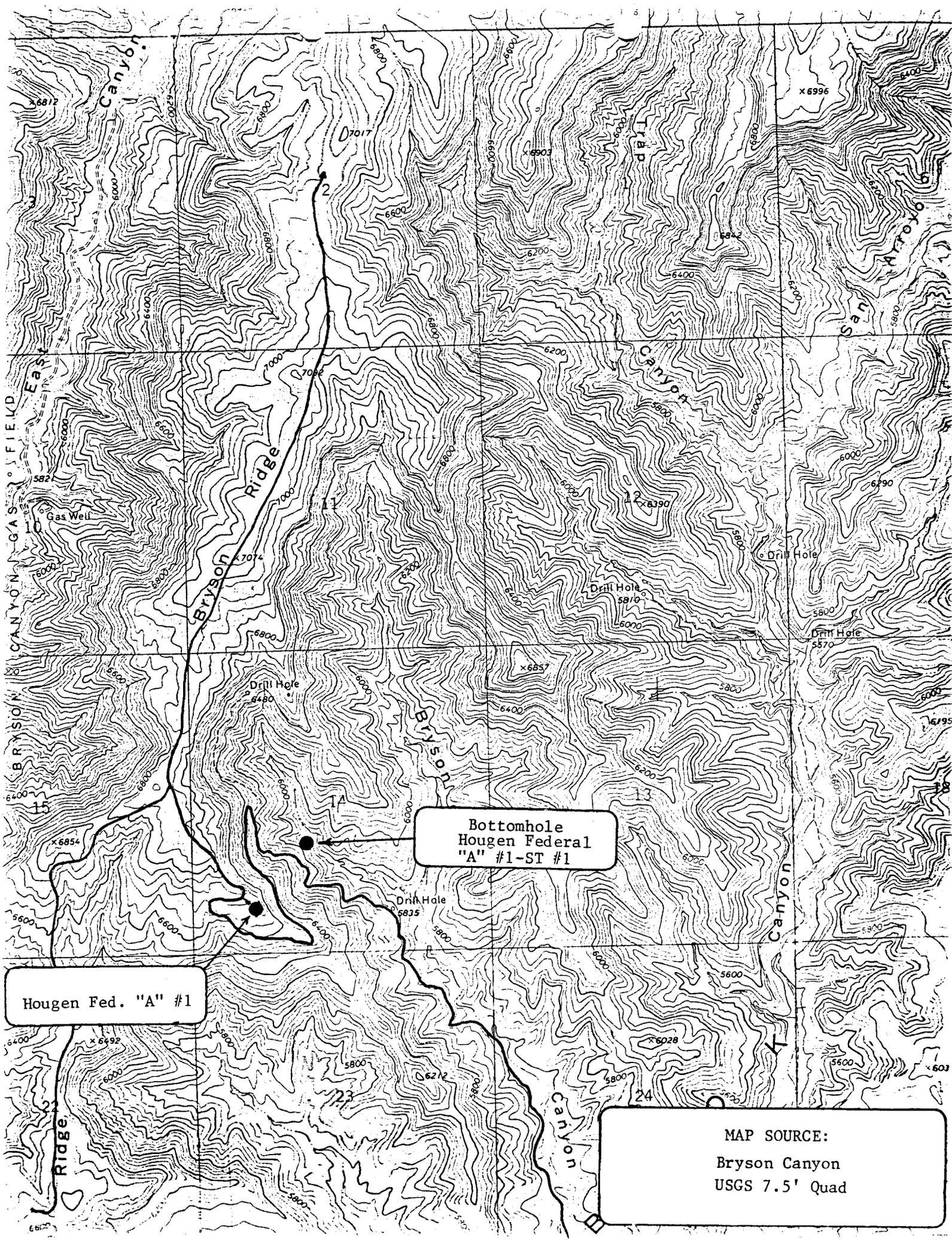


CERTIFICATE

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

*John Stewart*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO- 3154  
 STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000"	DATE 11/12/80
PARTY MS KH SH FO	REFERENCES GLO Plat
WEATHER Cloudy Cool	FILE TEXAS OIL & GAS



Bottomhole  
Hougen Federal  
"A" #1-ST #1

Hougen Fed. "A" #1

MAP SOURCE:  
Bryson Canyon  
USGS 7.5' Quad

RECEIVED

MAR 29 1985

DRILLING PLAN

DIVISION OF OIL  
GAS & MINING

DATE: March 21, 1985

WELL NAME: Hougen Federal "A" #1 - ST #1

SURFACE LOCATION: 794' FSL, 1057' FWL, Section 14-T17S-R24E  
Grand County, Utah

BOTTOMHOLE LOCATION: 1940' FSL, 1980' FWL Section 14-T17S-R24E  
Grand County, Utah

FEDERAL OIL & GAS LEASE NO.: U-42480

TXO Production Corp. is covered by Nationwide Bond No. 679 F 434 A.

I. DRILLING PROGRAM

1. SURFACE FORMATION: Mesa Verde

2. ESTIMATED FORMATION TOPS:

Castlegate	1472'	Depths give are true vertical depths (TVD)
Mancos	1718'	
Dakota Silt	4986'	
4th Dakota SS	5150'	
Buckhorn	5220'	
Morrison	5240'	
Total Depth	5300'	

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected Gas Zones: 4th Dakota SS 5150' (TVD)  
Buckhorn 5220'

Water may be encountered in the Mesa Verde, Dakota, and Buckhorn Formations.

4. SIDETRACK PROGRAM

TXO Production Corp. proposes to reenter the Hougen Federal "A" #1 and directionally drill to a bottomhole location of 1940' FSL, 1980' FWL Section 14-T17S-R24E using the following procedures:

- A. A cast iron bridge plug will be set at 5100' and sealed with cement.
- B. The 4 1/2" casing will be cut off at approximately 2700' and as much as possible removed.
- C. A cement plug will be set 100' in and out of the casing stub (2600'-2800').
- D. A cement plug will be set from 300' below the 7" casing shoe to 100' above the bottom of the casing. The 7" casing is set at 2040'. Thus, the top of the plug will be approximately 1900' and the bottom of the plug will be about 2350'.
- E. The cement will be drilled out to approximately 2100' (100'  $\pm$  below intermediate casing shoe).
- F. The hole will be entered with a downhole motor and a 2° bent sub. TXO will proceed with the following directional drill program.

5. DIRECTIONAL DRILL PROGRAM

As indicated on Form 3160-3, TXO Production Corp. proposes to directionally drill the subject well. Major depths and angles are listed below:

	<u>TVD</u>	<u>Deviation</u>	<u>Angle</u>	<u>MD</u>
Kickoff depth	2100'	0.0'	0.0°	2100'
Angle established	3848'	595'	37.6°	3980'
Initial objective	4986'	1471'	37.6°	5416'
Total depth	5300'	1731'	37.6°	5813'

During kickoff, an angle building rate of 2°/100' will be employed with surveys to be taken as required by hole conditions. When a total angle of 37.6° from vertical is established, the angle will be held to the proposed TD of 5300' (TVD). The bottomhole target (Dakota sand group) is located 1940' FSL, 1980' FWL of Section 14 and is planned with a 200' target radius to comply with applicable state spacing regulations. Again, surveys through this stage of the hole will be dictated by hole conditions.

6. PRESSURE CONTROL EQUIPMENT:

- A. After surface casing is set, a double ram-type blowout preventer with blind rams and pipe rams, with minimum working pressure of 2000 psi (greater than the anticipated bottomhole pressure of 1100 psi), will be installed. See Exhibit 1.
- B. A choke control, fill and kill lines with minimum working pressure of 2000 psi will be installed.
- C. A rotating pack-off head will be installed above the blowout preventer to control flow while drilling with air.



3160-3. The drilling rig will be released and removed from the location. A smaller completion rig will be moved on the location to perform completion procedures.

Productive zones will be perforated, tested and treated as necessary. Gas will be flared during testing. Produced water will be contained in the unlined drilling reserve pit. The extent of treatment of a zone (acidizing and/or fracing) can only be determined after the zone has been treated. A completion program will be furnished after drilling and logging, if requested.

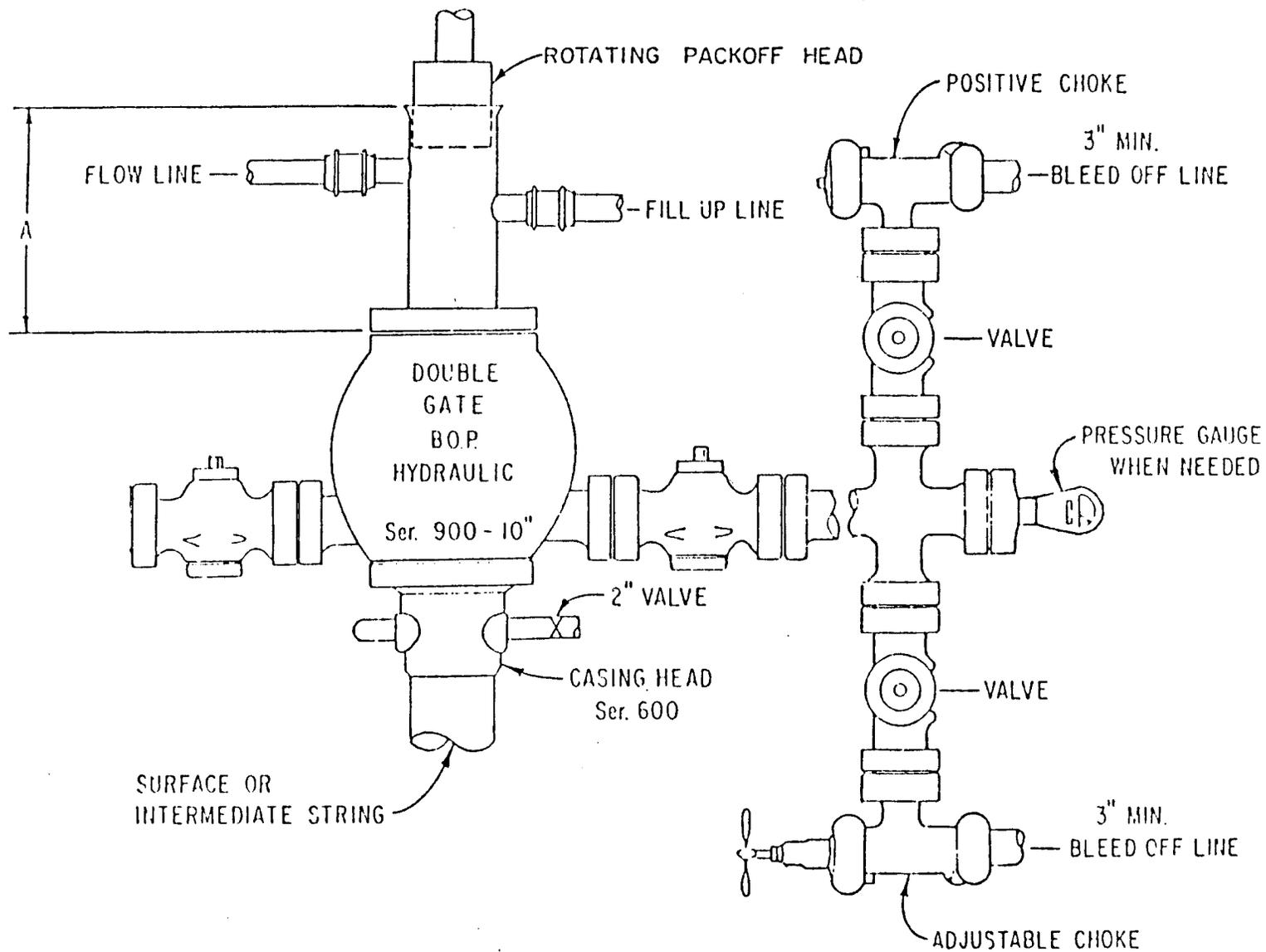


EXHIBIT I  
 BLOWOUT PREVENTER DIAGRAM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

REC'D MDO MAR 29 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

**1a. TYPE OF WORK**  
 DRILL  DEEPEN  PLUG BACK   
 JUL 05 1985

**b. TYPE OF WELL**  
 OIL WELL  GAS WELL  OTHER \_\_\_\_\_  
 SINGLE ZONE  MULTIPLE ZONE

**2. NAME OF OPERATOR**  
 DIVISION OF OIL, GAS & MINING  
 TXO Production Corp. T.L. Blankenship

**3. ADDRESS OF OPERATOR**  
 1800 Lincoln Center Bldg., Denver, CO 80264 (303) 861-4246

**4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\***  
 At surface  
 794' FSL, 1057' FWL Section 14-T17S-R24E  
 At proposed prod. zone  
 1940' FSL, 1980' FWL Section 14-T17S-R24E

**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\***  
 Approximately 31 miles NW of Mack, Colorado

**15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)** 700'

**16. NO. OF ACRES IN LEASE** 320

**17. NO. OF ACRES ASSIGNED TO THIS WELL** 320

**18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.** 2783'

**19. PROPOSED DEPTH** 5300'

**20. ROTARY OR CABLE TOOLS** Rotary

**21. ELEVATIONS (Show whether DF, RT, GR, etc.)** 6674' GR

**22. APPROX. DATE WORK WILL START\*** May 1, 1985

**5. LEASE DESIGNATION AND SERIAL NO.** U-42480

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME** \_\_\_\_\_

**7. UNIT AGREEMENT NAME** \_\_\_\_\_

**8. FARM OR LEASE NAME** Hougen Federal

**9. WELL NO.** "A" #1 - ST #1

**10. FIELD AND POOL, OR WILDCAT** San Arroyo

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA** Sec. 14-T17S-R24E

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

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	4 1/2"	10.5# K-55	5300' TVD 5813' MD	150 sacks

TXO Production Corp. proposes to side track from the Hougen Federal "A" #1 according to the program listed in the Drilling Plan. TXO then proposes to directionally drill the subject well using an angle building rate of 2°/100' in accordance with the following table:

	TVD	Deviation	Angle	MD
Kickoff Depth	2100'	0.0'	0.0°	2100'
Angle Established	3848'	595'	37.6°	3980'
Initial Objective	4986'	1471'	37.6°	5416'
Total Depth	5300'	1713'	37.6°	5813'

The bottomhole target (Dakota sand group) is planned with a 200' target radius to comply with applicable state spacing regulations.

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 Ronald E. Dashner TITLE Drilling & Production Mgr. DATE March 22, 1985  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
**Kenneth V. Rhea** TITLE **Acting DISTRICT MANAGER** DATE **02 JUL 1985**  
 APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

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

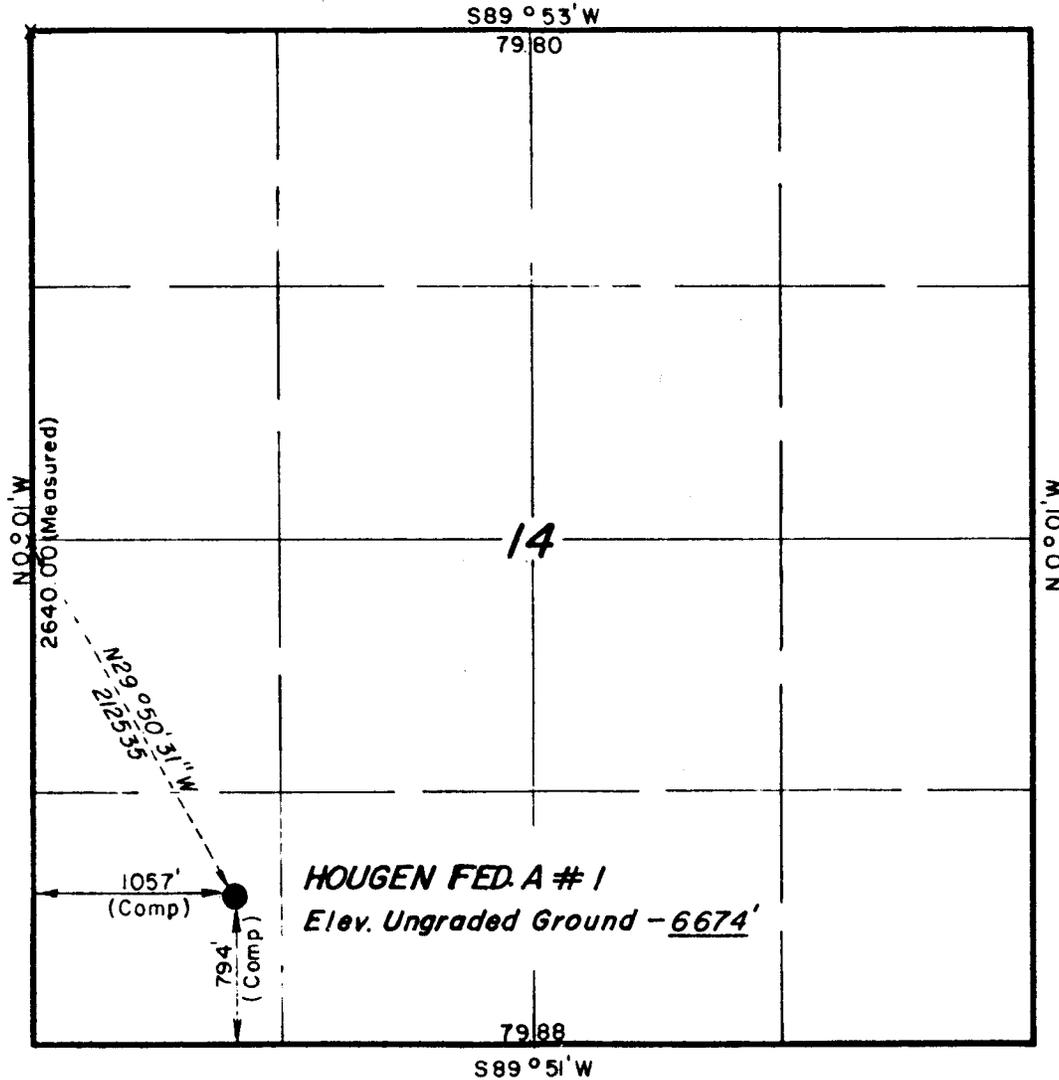
State of Utah

T17S, R24E, S.L.B.&M.

PROJECT

TEXAS OIL & GAS

Well location, *HOUGEN FED A #1*  
 located as shown in the SW1/4SW1/4  
 Section 14, T17S, R24E, S.L.B.&M.  
 Grand County, Utah.



X = Section Corners Located



CERTIFICATE

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

*Gene Stewart*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 3154  
 STATE OF UTAH

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

SCALE 1" = 1000"	DATE 11/12/80
PARTY MS KH SH FO	REFERENCES GLO Plat
WEATHER Cloudy Cool	FILE TEXAS OIL & GAS

REC'D MDO MAR 29 1985

TXO Production Corp.  
Well No. Hougen Federal "A" 1-ST-1  
Sec. 14, T. 17 S., R. 24 E.  
Grand County, Utah  
Lease U-42480

CONDITIONS OF APPROVAL

A. Drilling Program

1. A backup source capable of closing the B.O.P.E. in case of a primary source failure will be available.
2. The BLM, Grand Area Office will be notified 24 hours prior to pressure testing the B.O.P.E., phone (801) 259-8193.
3. The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any work on this location.
4. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
5. The spud date will be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.
6. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P. O. Box 970, Moab, Utah 84532.
7. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of

operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, work-over, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

9. Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.
10. A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.
11. No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.
12. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
13. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable, "Well Number, location by 1/4 1/4 section, township and range", "Lease Number".

#### B. Surface Use Plan

1. The operator or his dirt contractor will notify the Grand Resource Area when the construction equipment will be moved onto the existing



DIVISION OF OIL, GAS AND MINING

RE-ENTRY

SPUDDING INFORMATION

43-019-30799

NAME OF COMPANY: TXO PRODUCTION CORPORATION

WELL NAME: HOGAN FEDERAL "A" L - ST #1

(Surf) SWSW Sec. 14  
SECTION (BHL) NE SW TOWNSHIP 17S RANGE 24E COUNTY Grand

DRILLING CONTRACTOR Veco Drilling

RIG # 9

SPUDDED: DATE 7-11-85

TIME 8:00 PM

HOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Matthew Holdeman

TELEPHONE # 303-861-4246

DATE 7-12-85 SIGNED SB

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  
TXO Production Corp.

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 794' FSL & 1057' FWL, Sec. 14  
AT TOP PROD. INTERVAL: 1975' FSL, 2008' FWL, Sec. 14  
AT TOTAL DEPTH: 2128' FSL & 2122' FWL, Sec. 14

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) Spud	<input type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE  
U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
---

7. UNIT AGREEMENT NAME  
---

8. FARM OR LEASE NAME  
Hougen Federal

9. WELL NO.  
"A" #1 - ST #1

10. FIELD OR WILDCAT NAME  
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 14-T17S-R24E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.  
43-019-30799

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6674' GL

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TXO Production Corp. spudded the Hougen Federal "A" #1-ST #1 sidetrack well at 8:00 p.m. on 7/11/85. This well is a sidetrack of the TXO-Hougen Federal "A" #1. The contractor is Veco Drilling Rig #9. Spud was reported verbally to Carol Freudiger in the Moab BLM office at 9:50 a.m. on 7/12/85 & to Cindy in Salt Lake City at 9:55 AM 7/12/85.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Mathew C. Holdeman TITLE Petroleum Engineer DATE July 12, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

# RECEIVED

JUL 16 1985

July 12, 1985

DIVISION OF OIL  
GAS & MINING

STATE OF UTAH  
Natural Resources  
Oil, Gas, & Mining  
355 W. North Temple, Ste. 350  
3 Triad Center  
Salt Lake City, Utah 84180-1203

RE: Hougen Fed. "A" #1-ST#1  
Sec. 14-T17S-R24E  
Grand County, Utah

Gentlemen:

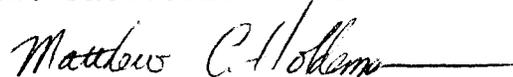
Please be advised that TXO Production Corp. would appreciate having the above referenced well considered a tight hole effectively immediately.

Also, enclosed please find Form #9-331 (Sundry Notices and Reports on Wells), notifying you of the spudding of the above referenced well.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.



Matthew C. Holdeman  
Petroleum Engineer

MCH/jy



# TXO

**TXO PRODUCTION CORP.**

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

**RECEIVED**

JUL 16 1985

July 12, 1985

DIVISION OF OIL  
GAS & MINING

STATE OF UTAH  
Natural Resources  
Oil, Gas, & Mining  
355 W. North Temple, Ste. 350  
3 Triad Center  
Salt Lake City, Utah 84180-1203

RE: Hougen Fed. "A" #1-ST#1  
Sec. 14-T17S-R24E  
Grand County, Utah

Gentlemen:

Please be advised that TXO Production Corp. would appreciate having the above referenced well considered a tight hole effectively immediately.

Also, enclosed please find Form #9-331 (Sundry Notices and Reports on Wells), notifying you of the spudding of the above referenced well.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.

*Matthew P. Holman*

John,

Is bottom hole location

OK.

please advise

Goldeman  
engineer

*ORFB*

*SBareka*  
*OKTA*



# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 11, 1985

RECEIVED

SEP 13 1985

State of Utah  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

DIVISION OF OIL  
GAS & MINING

Re: Hougen Fed. "A" #1 - ST#1  
Sec. 14-T17S-R24E  
Grand County, Utah

Gentlemen:

Enclosed please find Form #9-330 (Well Completion or Recompletion Report), submitted in triplicate notifying you of completion of the above-referenced well. Also enclosed is a well history.

If you require anything further, please contact me at the above number.

Sincerely,

TXO PRODUCTION CORP.



Matthew C. Holdeman  
Petroleum Engineer

MCH/jy

Enclosures/as stated

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

13

**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  DIFFERENTIAL  Other Sidetrack

2. NAME OF OPERATOR  
TXO Production Corp.

3. ADDRESS OF OPERATOR  
1800 Lincoln Center Bldg., Denver, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 794' FSL & 1057' FWL SWSW

At top prod. interval reported below 1595' FSL & 1702' FWL

At total depth 2128' FSL & 2132' FWL NESW

14. PERMIT NO. 43-019-30799 DATE ISSUED 7/16/85

5. LEASE DESIGNATION AND SERIAL NO.

U-42480

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hougen Fed.

9. WELL NO.

"A" #1 - ST #1

10. FIELD AND POOL, OR WILDCAT

San Alfonso

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

Sec. 14, T17S-R24E

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 7/11/85 16. DATE T.D. REACHED 7/25/85 17. DATE COMPL. (Ready to prod.) 8/9/85 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 6674' GL 6686 KB 19. ELEV. CASINGHEAD 6686' KB

20. TOTAL DEPTH, MD & TVD 5790' & 5313.43' 21. PLUG, BACK T.D., MD & TVD 5756' MD 22. IF MULTIPLE COMPL., HOW MANY\* ---- 23. INTERVALS DRILLED BY ----- ROTARY TOOLS Yes CABLE TOOLS ----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
5689'-5703' Morrison 25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR; CDL-SNL-GR-CAL 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	322'	12 1/2"	160 sxs	None
7"	20#	2040'	8-3/4"	200 sxs	None
4 1/2"	10.5#	5790'	6 1/2"	125 sxs Class G	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	5691'	None

31. PERFORATION RECORD (Interval, size and number)

5689' - 5703' w/ 2 JSPF  
29 holes  
0.38" dia.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>5689'-5703'</u>	<u>1500 gal 7 1/2% HCl</u>
<u>5689'-5703'</u>	<u>109,000 # 20/40 SD &amp; 50 tons CO<sub>2</sub></u>

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>8/9/85</u>	<u>Flowing</u>	<u>Producing</u>

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<u>8/9/85</u>	<u>24</u>	<u>16/64"</u>	<u>-----</u>	<u>-----</u>	<u>544</u>	<u>-----</u>	<u>-----</u>

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
<u>370#</u>	<u>500#</u>	<u>-----</u>	<u>-----</u>	<u>544</u>	<u>-----</u>	<u>-----</u>

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Well History

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

SIGNED Matthew C. Holdeman TITLE Drilling & Prod. Engineer DATE 9/9/85

\*(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	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
38.	GEOLOGIC MARKERS		
FORMATION	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
	Mancos	Surface	Surface
	Dakota Silt	4954'	4954'
	Dakota 2nd	5474'	5474'
	Dakota 3rd	5506'	5506'
	Dakota 4th	5530'	5530'
	Buckhorn	5620'	5620'
	Morrison	5638'	5638'

SEP 13 1985

WELL NAME:	Hougen Federal A-1 ST-#1	PTD:	5300' TVD
AREA:	Bryson Canyon	ELEVATIONS:	6686' KB, 6674' GL
LOCATION:	NE SW Sec. 14, T17S-R24E	CONTRACTOR:	Veco #9
COUNTY:	Grand	AFE NUMBER:	852517
STATE:	Utah	LSE NUMBER:	93942
FOOTAGE:	1940' FSL & 1980' FWL (TD)	TXO WI:	90.625%

\*\*\*\*\*

- 08/02/85 CO<sub>2</sub>/bbl @ 16 BPM, 4600#. Frac screened out @ 4600#. Had 8 bbls of 5 ppg stage through perfs. ISIP 4600#, 5 min @ 3640#, 10 min @ 3470#, 15 min @ 3400#, 150 min @ 2700#. Used 109,000 #20/40 sd (95,680# through perfs) & 50 tons CO<sub>2</sub>. BLTR 1083. SI 2.5 hrs. Open to pit on 1/2" pos ch. Flowed 15 min & started flowing w/ a heavy tr of sd. Pressure down to 400# after 30 min. Install 3/8" ch. LWOTP on 3/8" ch. Had 140# pressure w/ heavy mist & medium tr of sd. LWOTPON. DW: 50,051. CW: 340,612.
  
- 08/03/85 5756' PBTB, well flowing to pit on 3/8" ch. 55# w/ light tr sd & med mist (176 MCFD). Rec 325 bbls load wtr overnight. Blow well dn. TIH w/ notched collar. Tag sd @ 4200'. RU to circ w/ 3% KCL wtr. Clean out sd to PBTB of 5790'. Circ on btm for 30 min. Set tbg intake @ 5689'. Swab well to pit. Made 8 runs. Rec 90 bbls. IFP @ surface. FFL @ 1800'. LWOTPON. SDFN. DW: 3829. CW: 344,441.
  
- 08/04/85 5756' PBTB, in AM CP 0#, TP 0#. Swab to pit. IFL @ 1300'. Made 2 runs. POOH 1 jt. Tbg intake @ 5658'. Made 20 runs. Rec 85 bbls. Gas will not burn. Last ave fluid entry less than 4 BPH. CP 150#. Light blow on tbg. LWOTPON on 1/2" ch. SDFN. DW: 1625. CW: 346,066.
  
- 08/05/85 5756' PBTB, in AM CP 305#, TP 0#. RU swab to pit. IFL @ 3600'. Kick off well on 1st run. Rec 4 bbl. Install 3/8" pos ch. LWFTP making + 2 BPH w/ medium to fine mist and no sd. CP 300# FTP TSTM. Gas still will not burn. LWOTPON. SDFN. DW: 1250. CW: 347,316.
  
- 08/06/85 5756' PBTB, in AM well flowing to pit on 3/8" pos ch. CP 750#, FTP 20# (85 MCFD). Slugging sd & fluid. Open to full 2" for 20 min. Drop CP to 400#. Install 3/4" pos ch. LWFTP making med mis & med tr sd. CP 300#. FTP 20-60#. Gas will flare intermittently. Est 25% CO<sub>2</sub>. LWOTPON. SDFN. DW: 850. CW: 348,166.
  
- 08/07/85 In AM SICP 310#. FTP 10# on 3/4" pos ch (144 MCFD) w/ light mist & light tr of sd. TIH w/ tbg to tag sd @ perfs (5689'). Clean out sd w/ well gas to PBTB. Well flowed 2 hrs while moving tbg. TOOH to hang tbg @ 5658'. SWI for 24 hrs. SDFN. DW: 1250. CW: 349,416.
  
- 08/08/85 At 9 AM 8/7/85 STCP 940#, SITP 880#. Blew well down & observed light mist w/ tr sd. TIH to tag PBTB. No fill. TOOH to land tbg @ 5691'. Tbg detail: 1 notched collar, SSN, 183 jts 2-3/8", 4.7#, J-55, EVE tbg. Landed w/ stripper rubber in well head w/ tbg screwed into B-1 adapter. RR. Left well flowing on 16/64" pos ch. STCP 440#. FTP 350#. (536 MCFD) w/ light mist & tr sd. Rate & pressure not stabilized. DW: 2650. CW: 352,066.
  
- 08/09/85 Tested well for 24 hrs. SICP 500#. FTP 370# on a 1/4" pos ch (544 MCFD) w/ light mist & tr of sd. Gas flares well. SWI. Install intermitter & NU wellhead. FINAL REPORT. DW: 352,066.

*[Faint handwritten notes and stamps at the bottom of the page]*

WELL NAME: Hougen Federal A-1 ST-#1 PTD: 5300' TVD  
 AREA: Bryson Canyon ELEVATIONS: 6686' KB, 6674' MGN  
 LOCATION: NE SW Sec. 14, T17S-R24E CONTRACTOR: Veco #9  
 COUNTY: Grand AFE NUMBER: 852517  
 STATE: Utah LSE NUMBER: 93942  
 FOOTAGE: 1940' FSL & 1980' FWL (TD) TXO WI: 90.625%

\*\*\*\*\*

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
5304'	45°	N31E	4947.84'	1334.43'	1036.16'		840.90'	
5374'	42-1/2°	N33E	4998.19'	1382.70	1077.39'		866.66'	
5434'	42-1/4°	N36E	5042.51'	1423.02'	1110.71'		889.57'	
5526'	41-3/4°	N40E	5110.88'	1484.56'	1159.21'		927.46'	
5618'	39-1/2°	N43E	5180.71'	1544.39'	1204.06'		967.14'	
5790'	39-1/2°	N43E	5313.43'	1653.51'	1284.08'		1041.76'	

07/24/85 5790' (0'), RU csg crew to run 4 1/2" csg. RU Gearhart. Ran logs. Test well for 30 min, had 22# on 1" orifice. FRO 773 MCFD. RD Gearhart. TIH. 1' fill. Blew hole for 15 min. TOOH. LD DP & DC. DW: 17,345. CW: 207,059. DD 14.

07/25/85 5790' (0'), RD RT. Morrison. 8.5, 38, 12.8, 10. RU & ran 4 1/2" csg. No fill. RU Dowell. Cmt'd csg. RD Dowell. ND BOP. Set slips w/ 38,000#. Cut off csg. Cleaned mud pits. RR @ 4 PM on 7/25/85. Drop from report until completion begins. DW: 47,176. CW: 254,235. DD 15.

07/30/85 5756' PBTB, MIRUCU. Install tbg head & BOP. TIH w/ 2-3/8" tbg w/ 3-7/8" bit & scraper. Tag solid btm @ 5720'. Drill out to 5756'. Reverse circ clean. PT 2500# for 15 min. Swab well dn to 3500'. SDFN. DW: 65,299. CW: 277,766.

07/31/85 5756' PBTB, this AM well flowing w/ 20# on a 1/2" pos ch (123 MCFD). Finish swabbing down well to 4000'. Strap OOH w/ tbg. RU GO. Run CCL-GR log (5745-5250'). WL PBTB @ 5745'. Perf 5689-5703' w/ 2 JSPF. Total of 29 holes, 0.38" dia. Immediate blow to surface after perforating. 10-15' flare in 8 min. RD GO. TIH w/ Baker R-2 pkr, set @ 5612'. Load annulus w/ 3% KCL wtr. Test backside to 2000#. Held OK. Tbg kicked off 5 min after pkr set. Flowed clean to a fine mist in 10 min. RU Smith and acidize well w/ 1500 gal 7-1/2% HCL w/ additives, 750 scf N<sub>2</sub>/bbl, & 60 ball sealers. Average pressure 3900#. Average rate 7.1 BPM combined. Maximum pressure 4500# @ end of flush. Max rate 7.1 BPM combined. ISIP 2000#, 5 min 1400#, 10 min 1200#. Rel pkr. Circ out annulus water w/ N<sub>2</sub>. Rel N<sub>2</sub>. Well died. RU & swab to tank 4 runs. Rec 4 bbls. TIH & wipe perms. Set tbg intake @ 5672'. Made 1 swab run, dry. LWOTTON on 1/2" pos ch. Light show of gas. SDFN. DW: 10,545. CW: 288,311.

08/01/85 5756' PBTB, well flowing w/ 20# on a 1/2" positive ch (123 MCFD). Rec approx 3 BF overnight. Made 1 swab run. Rec less than 1 bbl. Blow well dn. TOOH & LD pkr. TIH & set tbg intake @ 5693'. Test for 2 hrs on 3/8" pos ch. 100# FTP & 190# CP (377 MCFD). Install 1/4" pos ch for 2 hrs. 150# FTP & 230# CP (252 MCFD). Blow well dn & TOOH w/ tbg. LWOTTON on 1/2" positive ch. SDFN. DW: 2250. CW: 290,561.

08/02/85 5756' PBTB, well flowing dry gas w/ 55# on a 1/2" pos ch (413 MCFD). RU Smith & frac well as follows: Pre-pad 4000 gals methanol @ 11 BPM. End of stage press @ 1200#. Pad 11,200 gals cross linked gel (GWX-7) w/ 150 scf CO<sub>2</sub>/bbl @ 15.9 BPM, 1780#. Stage 1: 4000 gals GWX-7 w/ 1 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 1610#. Stage 2: 4800 gals GWX-7 w/ 2 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 1610#. Stage 3: 4800 gals GWX-7 w/ 3 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 1740#. Stage 4: 4800 gals GWX-7 w/ 3.5 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 1800#. Stage 5: 4000 gals GWX-7 w/ 4 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 2070#. Stage 6: 3200 gals GWX-7 w/ 4.5 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 2100#. Stage 7: 3366 gals GWX-7 w/ 5 ppg 20/40# sd & 750 scf CO<sub>2</sub> @ 16 BPM, 2400#. Flush 1302 gals 3% KCL wtr w/ 750 scf

SEP 13 1985

WELL NAME:	Hougen Federal A-1 ST-#1	PTD:	5300' TVD
AREA:	Bryson Canyon	ELEVATIONS:	6686' KB, 6671' G
LOCATION:	NE SW Sec. 14, T17S-R24E	CONTRACTOR:	Veco #9
COUNTY:	Grand	AFE NUMBER:	852517
STATE:	Utah	LSE NUMBER:	93942
FOOTAGE:	1940' FSL & 1980' FWL (TD)	TXO WI:	90.625%

DIVISION OF OIL  
GAS & MINING

\*\*\*\*\*

07/18/85  
cont.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4469'	35-3/4°	N46E	4314.47'	793.75'	616.30'		500.21'	
4501'	35-3/4°	N45E	4340.44'	812.32'	629.41'		513.55'	
4563'	37°	N42E	4390.36'	848.96'	656.08'		538.85'	

07/19/85 4727' (147'), WO fishing tools. Mancos. Drld w/ mtr #3 to 4593'. Bit plugged. TOOH. Found stator rubber in bit. PU & TIH w/ mtr #4 (Navi-Drill) & 2° bent sub. Had 50' of fill. Wash & ream to btm. Resumed drlg. Drld to 4727'. Mtr stalled. TOOH. Bit missing all three cones. WO fishing tools. DW: 12,345. CW: 142,849. DD 9.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4593'	38°	N41E	4414.16'	867.20'	669.75'		550.96'	
4624'	38°	N43E	4438.59'	886.26'	683.94'		563.72'	
4695'	39°	N47E	4494.15'	930.19'	715.19'		594.97'	

07/20/85 4727' (0'), TOOH w/ magnet. Mancos. PU & TIH w/ 6" magnet & cut-lip guide shoe. Washed 30' fill to 14' from fish. Hole under-gauge, couldn't reach fish, TOOH. PU 6-1/4" flat btm mill shoe w/ 5" junk sub. TIH & reamed 40' to fish. Milled on fish 1 hr. TOOH. Rec handful of bearings in junk sub. TIH w/ magnet, fished. TOOH. DW: 11,246. CW: 154,095. DD 10.

07/21/85 4727' (0'), TOOH w/ finger basket & junk sub. Mancos. Fin TOOH w/ magnet. Rec 1 full cone. TIH w/ magnet. Worked on fish. No fill. TOOH. Rec nothing. LD magnet. TIH w/ packed hole assembly. Reamed 40' to btm. Unable to drill ahead w/ 30,000# on bit. TOOH. Bit showed inner teeth wear & marks on shanks. TIH w/ finger basket & junk sub. Milled 1' over fish. TOOH. DW: 12,235. CW: 166,630. DD 11.

07/22/85 5261' (534'), drlg. Frontier. Dust 215#. Fin TOOH w/ finger basket. Rec several pieces of cones. PU & TIH w/ bit, float sub, 6 pt reamer, under-gauge IBS, monel, non-mag IBS, monel, 3 pt reamer, 15 DC's, jars, 3 DC's & DP. Drld w/ air mist to 4870'. Dried up hole. Hole began dusting good @ 4950'. Cont drlg. DW: 10,511. CW: 176,841. DD 12.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4751'	40°	N46E	4537.36'	965.50'	739.71'		620.80'	
4810'	40-3/4°	N42E	4582.31'	1003.55'	767.19'		647.35'	
4901'	40-1/2°	N39E	4651.38'	1062.77'	812.24'		685.82'	
4991'	39-3/4°	N36E	4720.20'	1120.75'	858.25'		721.13'	
5116'	42-1/2°	N35E	4814.35'	1202.81'	925.18'		768.87'	
5210'	45-1/2°	N33E	4881.96'	1267.87'	979.30'		805.37'	

07/23/85 5790' (529'), flow testing. Morrison. Dust 215#. Drld to 5334' w/ packed assembly. TOOH & LD packed assembly. TIH slick. No tight spots or fill. Began taking steady 15' flare w/ air @ 5705'. Steadily incr to 50' flare w/ air @ 5720'. Drld to TD. Blew hole clean. Short trip 5 stnds. No fill. Blew hole for 15 min. TOOH. Had steady 20' flare w/ 1 compressor during TOOH. Tested well for 30 min on 1" orifice plate, 32#, FARO 994 MCFD. Dakota Silt @ 5338' MD, 4972' TVD. 3rd Dakota @ 5502' MD, 5093' TVD. 4th Dakota @ 5526' MD, 5111' TVD. Buckhorn @ 5657' MD, 5211' TVD. Morrison @ 5686' MD, 5233' TVD. DW: 12,873. CW: 189,664. DD 13.

WELL NAME: Hougen Federal A-1 ST-#1  
 AREA: Bryson Canyon  
 LOCATION: NE SW Sec. 14, T17S-R24E  
 COUNTY: Grand  
 STATE: Utah  
 FOOTAGE: 1940' FSL & 1980' FWL (TD)

PTD: 5300' TVD  
 ELEVATIONS: 6686' KB, 6674' GL  
 CONTRACTOR: Veco #9  
 AFE NUMBER: 852517  
 LSE NUMBER: 93942  
 TXO WI: 90.625%

RECEIVED

\*\*\*\*\* SEP 13 1985 \*\*\*\*\*

07/15/85  
 cont.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2891'	11-1/4°	N10E	2880.46'	188.41'	143.72'		121.93'	
2954'	11-3/4°	N10E	2942.19'	199.41'	156.09'		124.11'	
3046'	12-1/2°	N10E	3032.14'	216.33'	175.12'		127.46'	
3108'	13°	N18E	3092.61'	228.74'	188.38'		130.77'	
3200'	13-3/4°	N27E	3182.11'	249.14'	208.02'		138.91'	
3294'	13-3/4°	N34E	3273.42'	271.23'	227.86'		159.06'	

07/16/85 3867' (480'), drlg. Mancos. Mist 400#. TIH w/ mtr #3 & 2° bent sub. Drld ahead to 3790'. TOOH for bit #6. TIH w/ bit #6 & mtr #3 w/ 2° bent sub. Had 45' of fill. Wash & ream to btm. Resumed drlg. DW: 16,521. CW: 103,306. DD 6.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
3388'	15°	N39E	3364.49'	294.46'	246.11'		163.86'	
3451'	17°	N34E	3425.05'	311.80'	260.07'		174.19'	
3544'	18°	N28E	3513.75'	339.51'	284.04'		188.59'	
3573'	19°	N30E	3541.25'	348.56'	292.08'		193.04'	
3604'	20°	N33E	3570.47'	358.82'	300.90'		198.45'	
3634'	21°	N35E	3598.57'	369.29'	309.61'		204.33'	
3697'	24°	N38E	3656.77'	393.37'	328.99'		218.66'	
3758'	26-1/4°	N40E	3711.99'	419.27'	249.11'		234.96'	
3789'	27-3/4°	N42E	3739.61'	433.33'	359.73'		244.19'	
3820'	28-1/2°	N44E	3766.95'	447.91'	370.42'		254.16'	

07/17/85 4127' (260'), reaming to btm @ 3700'. Mancos. Mist 300#. Drld w/ mtr #3 to 4127'. TOOH & LD mtr. PU & TIH w/ bit, float sub, near-bit 3 pt reamer, 2 monels, 3 pt reamer, 1 DC, 3 pt reamer, 14 DC's, jars, 3 DC's & DP. Began reaming @ 2900'. Presently reaming @ 3700'. DW: 14,270 CW: 117,576. DD 7.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
3881'	29-3/4°	N46E	3820.24'	477.43'	391.41'		275.15'	
3944'	31-1/2°	N47E	3874.45'	509.23'	413.50'		298.43'	
4004'	32°	N45E	3925.47'	540.56'	435.43'		321.14'	
4035'	32-1/2°	N43E	3951.68'	557.03'	447.33'		332.63'	
4065'	32-1/2°	N45E	4976.99'	573.08'	458.83'		343.83'	
4097'	32-3/4°	N46E	4003.94'	590.22'	471.02'		356.13'	

07/18/85 4580' (453'), drlg w/ mtr #3. Mancos. Mist 400#. Fin wash & ream to btm. No fill. Drld ahead to 4315' varying wt & RPM. Unable to control direction or build angle. TOOH. PU & TIH w/ bit, 2° bent sub, & mtr #3. TIH & resumed drlg. DW: 12,928. CW: 130,504. DD 8.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
4159'	33°	N49E	4056.01'	623.49'	493.76'		380.94'	
4222'	33-1/4°	N46E	4108.77'	657.52'	517.01'		406.32'	
4285'	33-1/4°	N42E	4161.76'	691.46'	541.52'		429.99'	
4346'	33-1/4°	N42E	4212.77'	724.85'	566.38'		452.37'	
4377'	33-1/2°	N42E	4238.66'	741.88'	579.05'		463.78'	
4407'	34°	N44E	4263.61'	758.50'	591.24'		475.15'	

WELL NAME: Hougen Federal A-1 ST-#1  
 AREA: Bryson Canyon  
 LOCATION: NE SW Sec. 14, T17S-R24E  
 COUNTY: Grand  
 STATE: Utah  
 FOOTAGE: 1940' FSL & 1980' FWL (TD)

PTD: 5300' TVD  
 ELEVATIONS: 6686' KB, 6674' GL  
 CONTRACTOR: Veco #9  
 AFE NUMBER: 852517  
 LSE NUMBER: 93942  
 TXO WI: 90.625%

RECEIVED

APCOT FINADEL JOINT VENTURE  
 P. O. Box 2159, Ste. 1848  
 Dallas, Texas 75221  
 Attn: Houston Welch

Just Mail

SEP 13 1985

DIVISION OF OIL  
 GAS & MINING

- 07/09/85 Finish MIRU. Move in & rig up drlg rig, Veco #9. DW: 4000. CW: 4000.
- 07/10/85 Finish MIRU to run Gyro Survey. Well should spud this PM. DW: 16,215. CW: 20,215.
- 07/11/85 2100' (0'), drlg RH. Mancos. Fin RURT. PU & RIH w/ gyro tool. Tag cmt @ 2100'. Btm of 7" csg shoe appears to be @ 2080'. POOH w/ gyro. Drill RH & MH. DW: 9646. CW: 29,861. DD 1.
- 07/12/85 2184' (84'), TOO H w/ mtr. Mancos. Mist 150#. Fin drlg RH. Fin NU. PT blind rams to 2000#. PU bit, 3 pt reamer, DC & DP. Test pipe rams to 2000#, OK. Unloaded hole. Tag cmt @ 2126'. Drld to 2175'. Blew & cond hole. TOO H & PU mtr w/ 1-1/2° bent sub. TIH, oriented mtr. Drld 9'. Mtr stalled. Unable to get mtr started again. TOO H. DW: 12,993. CW: 42,854. DD 2.
- 07/13/85 2341' (157'), TIH. Mancos. TOO H w/ mtr #1. PU & RIH w/ mtr #2. Mtr wouldn't start. TOO H. PU & RIH w/ mtr #3. Oriented tool, drl ahead. Appeared to kick off. Plug @ 2175'. Drld to 2341'. Stuck survey tool. TOO H & LD mtr #3. PU & TIH w/ bit, float sub, 6-pt rmr, monel 1 DC, IBS, IDC, 3-pt rmr, 10 DC, jars, 3 DC & DP. DW: 16,288. CW: 59,142. DD 3.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2070'	4.1°	N28E	2068.06'	76.12'	45.61'		64.72'	
2169'	4°	N39E	2166.81'	83.04'	51.43'		68.57'	
2263'	7°	N33E	2260.37'	92.06'	58.72'		73.87'	

- 07/14/85 2858' (517'), drlg. Mancos. Dust - 180#. Fin TIH. Rmd 144' to btm. Resumed drlg. Unable to build angle. Drld to 2653'. TOO H. PU & TIH w/ bit, float sub, 3-pt rmr, under-gauge IBS, 2 monels, IBS, DC, 3-pt rmr, 14 DC, jars, 3 DC & DP. Resumed drlg. DW: 13,765. CW: 72,907. DD 4.

MD	DEV	COURSE DIRECTION	TVD	VERTICAL SECTION	HORIZONTAL COORDINATES			
					N	S	E	W
2344'	9°	N37E	2340.58'	103.31'	67.95'		80.33'	
2406'	9°	N38E	2401.81'	113.00'	75.64'		86.23'	
2500'	8-3/4°	N36E	2494.69'	127.50'	87.22'		94.96'	
2560'	8-3/4°	N38E	2553.99'	136.62'	94.51'		100.45'	
2622'	8-1/2°	N36E	2615.89'	145.91'	101.94'		106.05'	
2705'	9-1/4°	N27E	2697.29'	158.60'	112.85'		112.73'	
2766'	9-3/4°	N18E	2757.46'	168.25'	122.14'		116.58'	
2828	10°	N14E	2818.54'	178.05'	132.36'		119.51'	

- 07/15/85 3387' (529'), working on rotary seal for brake drum. Mancos. Drilling ahead w/ angle assembly. Losing dir to left. Mist up hole. Trip for motor @ 3015'. 15 second trip flare @ end of trip. TIH. Drilling ahead w/ RR motor #3. Getting 45 second to 1 minute survey flares. TOO H @ 3387' for bit. Work on rig. DW: 13,878. CW: 86,785. DD 5.



UTAH  
NATURAL RESOURCE  
Oil, Gas & Mining

PRD605503327

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

Page 5 of 5  
2-20-86c

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.  
1880 LINCOLN CENTER BLDG.  
DENVER CO 80264  
ATTN: DIEDRE E. EVANS

Utah Account No. N1580

Report Period (Month/Year) 12 / 85

Amended Report

Well Name	Producing	Days	Production Volume			
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)	
CROQUET FEDERAL #2 <u>06136</u> 4304731672 99997 06S 21E 35	UNTA	9	0	8836	0	
4301930799 <u>(06686)</u> <u>17S 24E 14</u> Hougen Federal #1 - ST #1	MRSN	15	0	7811	0	
4304731678 99999 06S 22E 34 Bridle Federal #3 <u>06713</u>	UNTA	5	0	3667	0	
FEB 13 1986			TOTAL	0	20314	0

Comments (attach separate sheet if necessary)

Added entity: see Dieder 2-20-86

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

Date Feb. 2, 1986

Dieder E. Evans  
Authorized signature

Telephone (303) 861-4246



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

PRD605503324

DOG M 56-64-2  
an equal opportunity employ.

Page 2 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.  
1880 LINCOLN CENTER BLDG.  
DENVER CO 80264  
ATTN: DIEDRE E. EVANS

Utah Account No. N1580

Report Period (Month/Year) 12 / 85

Amended Report

Well Name				Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location	Oil (BBL)			Gas (MSCF)	Water (BBL)	
CISCO SPRINGS "B" 2				MRSN	0	0	0	0
4301931115	06684	20S 23E 15		MRSN	0	0	0	0
HARVEY FEDERAL 1-X				DK-MR	17	0	1901	0
4301930574	06685	16S 25E 5		DK-MR	17	0	1901	0
HOUGEN FED. A #1				MRSN	0	0	0	0
4301930799	06686	17S 24E 14		MRSN	0	0	0	0
LAUCK FED A-1				DKTA	19	0	2762	0
4301930990	06687	16S 25E 29		DKTA	19	0	2762	0
ARCO FEDERAL D-1				DKTA	30	0	12560	0
4301930578	06690	16S 25E 34		DKTA	30	0	12560	0
EVACUATION CREEK #1				BUKHN	0	0	0	0
4304731307	06691	11S 25E 36		BUKHN	0	0	0	0
CRACKER FED. #1				WSTC	0	0	0	0
4304731532	06693	11S 23E 8		WSTC	0	0	0	0
TEXAS PACIFIC ST 1				DKTA	16	0	4058	0
4301930634	06695	16S 25E 36		DKTA	16	0	4058	0
VALENTINE FED 1				DKTA	0	0	0	0
4301930639	06700	16S 25E 35		DKTA	0	0	0	0
VALENTINE FEDERAL 2				DKTA	16	0	6275	0
4301930640	06705	16S 25E 34		DKTA	16	0	6275	0
TEXAS PACIFIC ST 2				DKTA	16	0	3599	0
4301930670	06710	16S 25E 36		DKTA	16	0	3599	0
BRIDLE FEDERAL #1				UNTA	25	0	38554	0
4304731533	06711	06S 22E 34		UNTA	25	0	38554	0
BRIDLE FEDERAL #2				UNTA	6	0	6323	0
4304731655	06712	06S 22E 34		UNTA	6	0	6323	0
FEB 13 1986								
TOTAL						0	76032	0

Comments (attach separate sheet if necessary) \_\_\_\_\_

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

Date Feb. 2, 1986

Diedre E. Evans  
Authorized signature

Telephone (303) 861-4246



UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

PRD605503324

DOG 56-64-2  
an equal opportunity employer

Page 2 of 5

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

•TXO PRODUCTION CORP.  
1880 LINCOLN CENTER BLDG.  
DENVER CO 80264  
ATTN: DIEDRE E. EVANS

Utah Account No. N1580  
Report Period (Month/Year) 12 / 85  
Amended Report

Well Name	Producing Zone	Days Oper	Production Volume	Gas (MSCF)	Water (BBL)
API Number	Entity	Location	Oil (BBL)		
CISCO SPRINGS "B" 2	MRSN	0	0	0	0
4301931115 06684 20S 23E 15					
HARVEY FEDERAL T-X	DK-MR	17	0	1901	0
4301930574 06685 16S 25E 5					
HOUGEN FED. A #1	MRSN	0	0	0	0
4301930799 06686 17S 24E 14					
LAUCK FED A-1	DKTA	19	0	2762	0
4301930990 06687 16S 25E 29					
ARCO FEDERAL D-1	DKTA	30	0	12560	0
4301930578 06690 16S 25E 34					
EVACUATION CREEK #1	BUKHN	0	0	0	0
4304731307 06691 11S 25E 36					
CRACKER FED. #1	WSTC	0			0
4304731532 06693 11S 23E 8					
TEXAS PACIFIC ST 1	DKTA	16			0
4301930634 06695 16S 25E 36					
VALENTINE FED 1	DKTA	0			0
4301930639 06700 16S 25E 35					
VALENTINE FEDERAL 2	DKTA	16			0
4301930640 06705 16S 25E 34					
TEXAS PACIFIC ST 2	DKTA	16			0
4301930670 06710 16S 25E 36					
BRIDLE FEDERAL #1	UNTA	25			0
4304731533 06711 06S 22E 34					
BRIDLE FEDERAL #2	UNTA	6			0
4304731655 06712 06S 22E 34					
TOTAL					0

*This is on suspense  
Diedre will call  
Wed. 3-19-86.  
Why an TAR  
series?  
name chng  
per Diedre  
plugged 3-17-86  
A#1  
same well  
diagnosed  
by A#1*

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete. Date Feb 2, 1986  
Diedre Erin Evans Telephone (303) 861-4246  
Authorized signature

## ROUTING/ACTION FORM

4-7-84

SEQ	NAME	ACTION	INITIAL
	NORM		
	TAMI	2A	
	VICKY		
	CLAUDIA	/	
	STEPHANE		
	CHARLES		
	RULA		
	MARY ALICE		
	CONNIE		
	MILLIE		
	RON		
	JOHN		
	GIL		
	PAM	4	

## NOTES:

NAME CHANGE, PLUS  
CARD SHOULD BE CHECKED  
FOR NEW RHL AND  
PRODUCING FORMATION  
WHEN THIS COMES OFF  
CONFIDENTIAL

DAKOTA HAS BEEN REA

## ACTION CODE

1. DATA ENTER
2. FILM
3. POST
a. CARD FILE
b. FILE LABEL
c. LISTS
4. FILE
5. RELOCATE FILE OR CARD
6. DECISION
7. PREPARE LETTER
12. OTHER - SEE NOTES

COMPANY: TXO Prod UT ACCOUNT # N1580 SUSPENSE DATE: \_\_\_\_\_

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: DIEDRA EVANS

CONTACT TELEPHONE NO.: 13038614246

SUBJECT: eff 4-2-85 Hougen Fed A#1 was plugged. ~~then~~ This company  
has re-entered and drilled diagonally. They have requested  
the name be changed to: HOUGEN FEDERAL A#1-ST#1.  
4301930799 175 24E 1A

(Use attachments if necessary)

RESULTS: \_\_\_\_\_

(Use attachments if necessary)

CONTACTED BY: UC

DATE: 4-7-86

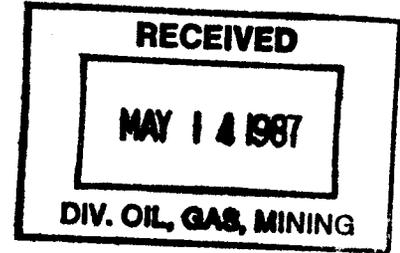
# TXO

## TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING  
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

051903



May 12, 1987

Division of Oil, Gas & Mining  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180-1203

43-019-30799

To Whom It May Concern:

I hereby authorize you to release any information on the following well we have drilled:

Hougen State Federal "A" #1 located in Section 14: NE SW,  
T17S-R24E, Grand County, Utah

If you have any questions, please do not hesitate to call me.

Very Truly Yours,

TXO PRODUCTION CORP.

A handwritten signature in cursive script that reads "John V. Miesse".

John V. Miesse  
Exploration Manager

JVM/sb



355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut  
84180-1203. (801-538-5340)

# MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• TXO PRODUCTION CORP.  
 P. O. BOX 2690  
 CODY WY 82414  
 ATTN: R. P. MEABON

Utah Account No. N1580  
 Report Period (Month/Year) 12 / 90  
 Amended Report

Well Name	Producing	Days	Production Volume		
API Number Entity Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
BOOK CLIFFS UNIT 1 U-037005 4301915410 06665 18S 22E 32	DKTA ✓		Need successor to Unit Oper. (TXO - to Marathon)		
BOOK CLIFFS U #3 U-036905 4301915411 06665 18S 22E 33	DKTA ✓				
LITTLE BERRY ST #1 mL-19905-B 4301931075 06666 16S 23E 2	BUKHN ✓				
NICOR FEDERAL #1 U-31807 4301930656 06667 16S 25E 28	DKTA ✓				
LAUCK #2 U-34033 4301931109 06668 16S 25E 29	MRSN ✓				
BMG FEDERAL #2 U-05015 4301931108 06669 16S 26E 8	DKTA ✓				
BLISTER FEDERAL #1 U-38363 4301930857 06671 16S 24E 24	DK-MR ✓				
ARCO FEDERAL B-1 U-9831 4301930552 06675 16S 25E 6	DKTA ✓				
ARCO FEDERAL C-1 U-6188-B 4301930572 06680 16S 25E 35	DKTA ✓				
BMG FEDERAL #3 U-05015-A 4301931114 06681 16S 26E 18	DK-BK ✓				
HARVEY FEDERAL 1-X U-10427 4301930574 06685 16S 25E 5	DK-MR ✓				
HOUGEN FED. A #1-ST #1 U-42480 4301930799 06686 17S 24E 14	MRSN ✓				
LAUCK FED A-1 U-34033 4301930990 06687 16S 25E 29	DKTA ✓				
TOTAL					

Comments (attach separate sheet if necessary) \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

Authorized signature \_\_\_\_\_ Telephone \_\_\_\_\_

RECEIVED  
JAN 24 1991



P.O. Box 2690  
Cody, Wyoming 82414  
Telephone 307/587-4961

DIVISION OF  
OIL, GAS & MINING

*2/8  
1-3  
Muy DRJ  
-c R Furth*

January 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

UTAH DIVISION OF OIL, GAS & MINING  
3 Triad Center, Ste. 350  
Salt Lake City, UT 84180-1203  
Attention: State Director

Re: The Merger of TXO Production Corp. into  
Marathon Oil Company

Gentlemen:

As Marathon Oil Company advised in its October 8, 1990 letter, TXO Production Corp., a Delaware corporation ("TXO") was being merged into Marathon Oil Company, an Ohio corporation ("Marathon"), on or before January 1, 1991. As stated in the October letter, before this merger, both TXO and Marathon were subsidiaries of USX Corporation.

Effective January 1, 1991, TXO was merged into Marathon, with Marathon becoming the surviving corporation, as evidenced by the enclosed Certificate of Merger signed by the Secretary of State for the State of Ohio. Due to this statutory merger, by operation of law, Marathon, as the surviving entity, has succeeded to all of the assets, property, rights, privileges, power and authority, and has assumed all obligations and liabilities of TXO which existed on the date of the merger.

Marathon requests that your records and filings be changed to reflect this merger, including making any appropriate change in your operator or ownership records. For the purposes of any change, mailing or notification, please substitute the following address and phone number for TXO:

Marathon Oil Company  
Attention: Mr. R. P. Meabon  
1501 Stampede Avenue  
P. O. Box 2690  
Cody, WY 82414  
(307) 587-4961

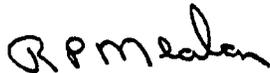
Utah Division of Oil, Gas & Mining  
January 22, 1991  
Page 2

Any bond in the name of TXO should be cancelled and all wells and properties shown on the attached Exhibit "A" should be placed on Marathon's statewide bond for the state of Utah.

Marathon respectfully requests that you acknowledge your receipt of this letter by signing the enclosed duplicate original of this letter in the space provided below, and returning it to me in the self-addressed, stamped envelope provided. Also, please provide Marathon with confirmation of the bond cancellations in accordance with the substitution requested above.

Marathon appreciates your patience and cooperation in this matter, and if Marathon can be of any further assistance, please feel free to contact this office.

Sincerely,



R. P. Meabon  
Regulatory Coordinator  
Rocky Mountain Region  
Extension 3003

RPM:mh

Attachments

RECEIVED AND ACCEPTED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_,  
1991, BY:

\_\_\_\_\_  
[Governmental Agency or Department]

By \_\_\_\_\_  
Name \_\_\_\_\_  
Its \_\_\_\_\_  
Title

UNITED STATES OF AMERICA,  
STATE OF OHIO,  
OFFICE OF THE SECRETARY OF STATE.

I, Sherrod Brown

do hereby certify that I am the duly elected, qualified and present acting Secretary of State for the State of Ohio, and as such have custody of the records of Ohio and Foreign corporations; that said records show an AGREEMENT OF MERGER of MARATHON PETROLEUM COMPANY, an Ohio corporation, Charter No. 7265, having its principal location in Findlay, County of Hancock, and incorporated on August 1, 1887, and TXO PRODUCTION CORP., a Delaware corporation, having qualified to do business within the State of Ohio on November 2, 1983, under License No. 623328, into MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, the survivor of said Merger, filed in this office on December 24, 1990, recorded in the Records of Incorporation. Said surviving corporation, MARATHON OIL COMPANY, an Ohio corporation, Charter No. 584981, having its principal location in Findlay, County of Hancock, was incorporated on November 18, 1981 and is currently in GOOD STANDING upon the records of this office.

WITNESS my hand and official seal at

Columbus, Ohio, this

28th day of December, A.D. 1990



Sherrod Brown  
Secretary of State



DOGm- FYI - From Connie Larson- TAX Commission

Tax Compliance Division



Findlay, Ohio 45840  
Telephone 419/422-2121

January 23, 1991

N1580

TO WHOM IT MAY CONCERN:

Effective immediately after the close of business on December 31, 1990, TXO Production Corporation, taxpayer I.D. 75-1710388, a Delaware Corporation, was merged into Marathon Oil Company, taxpayer I.D. 25-1410539.

Following the merger, all business activity previously conducted by TXO Production Corporation will be conducted by and under the name of Marathon Oil Company.

Marathon Oil Company  
Tax Organization

GRL:pah  
GRL100T

REC'D USITC P.B.  
FEB 14 1991

Send a copy to Room 2-2191

Copy sent to Master  
File Mail

Routing:

1- LCR	<i>he</i>
2- DTS	<i>CS</i>
3- VLC	<i>✓</i>
4- RJF	<i>✓</i>
5- RWM	<i>he</i>
6- LOR	<i>he</i>

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: 1-1-91 )

TO (new operator) <u>MARATHON OIL COMPANY</u>	FROM (former operator) <u>TXO PRODUCTION CORP.</u>
(address) <u>P. O. BOX 2690</u>	(address) <u>P. O. BOX 2690</u>
<u>CODY, WY 82414</u>	<u>CODY, WY 82414</u>
phone <u>(307) 587-4961</u>	phone <u>(307) 587-4961</u>
account no. <u>N 3490</u>	account no. <u>N1580</u>

Well(s) (attach additional page if needed):                      **\*\*\*MERGER\*\*\***

Name: <b>**SEE ATTACHED**</b>	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**

- N/A* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(see documentation)*
- See* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec. 1-24-91)*
- 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:       .
- See* 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.
- See* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-26-91)*
- See* 6. Cardex file has been updated for each well listed above.
- See* 7. Well file labels have been updated for each well listed above.
- See* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission.
- See* 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

- 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 5, Entity Action Form).
- 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(Federal & State wells only)*
- 2. A copy of this form has been placed in the new and former operators' bond files. *(upon completion of routing)*
- 3. The former operator has requested a release of liability from their bond (yes/no) yes. Today's date February 27, 1991. If yes, division response was made by letter dated March 1, 1991.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- 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.
- 2. Copies of documents have been sent to State Lands for changes involving State leases. *Sent 3-5-91*

INDEXING

- 1. All attachments to this form have been microfilmed. Date: March 11 1991.

INDEXING

- 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 have been filed in the Operator Change file.

COMMENTS

910204 Btm/marb No doc. as of yet. (In the process of changing) will call when approved.  
 Btm/S.L. Book Cliffs Unit, Oil Springs Unit, Marble Mansion Unit (Not approved as of yet)

910204 St. Lands - No documentation as of yet. (Copy hand delivered 2-8-91) for

910222 Btm/S.L. - Approved 2-20-91 - OK for DSGM to recognize eff. date 1-1-91. (T. Thompson)

910226 St. Lands - Needs additional info. "will take 2-3 weeks". (Proceed with change per DTS)

LONE MOUNTAIN PRODUCTION COMPANY

P.O. BOX 3394  
408 PETROLEUM BUILDING  
BILLINGS, MONTANA 59103-3394  
(406) 245-5077  
FAX 248-6321

February 22, 1993

State of Utah  
Dept. of Natural Resources  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

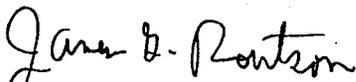
Re: Change of Operator  
Sundry Notices  
Grand and Uintah Counties, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for 53 wells located on Federal lands in Utah for which Lone Mountain Production Company is assuming operations effective February 22, 1993. Two separate lists of the wells and lease numbers, by sorted by BLM district, are attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company

  
James G. Routson  
President

Enclosures

xc: Joe Dyk  
Marathon

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FEB 25 1993

DIVISION OF  
OIL GAS & MINING

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

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5. Lease Designation and Serial No.

U-42480

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

CR-231

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Lone Mountain Production Company

3. Address and Telephone No.

P.O. Box 3394, Billings, MT 59103

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

794' FSL, 1057' FEL, Sec. 14-T17S-R24E  
(SW $\frac{1}{4}$  SW $\frac{1}{4}$ )

8. Well Name and No.

Hougen Fed. No. A-1

9. API Well No.

43-019-30799

10. Field and Pool, or Exploratory Area

Bryson Canyon

11. County or Parish, State

Grand County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> 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.)\*

Lone Mountain Production Company has assumed operations of the above referenced well effective February 22, 1993. The former operator was Marathon Oil Company.

Bond Coverage is provided by Lone Mountain's Statewide Oil & Gas BLM Bond No. UT0719.

Field Operations will be handled by our Grand Junction office.

*X 930330 CR-231 Terminated eff. 7-11-85 / Btm S.Y., now under C.A. UT060P4986C702.*

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

Signed [Signature]

Title Petroleum Engineer

Date Feb. 22, 1993

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

Conditions of approval, if any:

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.

**LONE MOUNTAIN PRODUCTION COMPANY**

P.O. BOX 3394  
408 PETROLEUM BUILDING  
BILLINGS, MONTANA 59103-3394  
(406) 245-5077  
FAX 248-6321

February 22, 1993

State of Utah  
Dept. of Natural Resources  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180

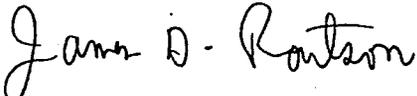
Re: Change of Operator  
Sundry Notices  
Grand County, Utah

Gentlemen:

Enclosed in triplicate are Sundry Notices for nine wells located on Utah State lands for which Lone Mountain Production Company is assuming operations effective February 22, 1993. A list of the wells and lease numbers is attached. The wells were all previously operated by Marathon Oil Company. If any further information is needed please advise either me or Joe Dyk in our Grand Junction office.

Very truly yours,

Lone Mountain Production Company



James G. Routson  
President

Enclosures

xc: Joe Dyk  
Marathon

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FEB 25 1993

UTAH FEDERAL WELLS

VERNAL BLM DISTRICT

DIVISION OF  
OIL GAS & MINING

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Shuffleboard Fed. No. 1	U-31255	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 27-T6S-R21E
Stirrup Fed. No. 28-1	U-34711	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T6S-R21E
Stirrup Fed. No. 29-2	U-46699	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Stirrup Fed. No. 29-3	U-46699	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T6S-R21E
Football Fed. No. 29-4	U-46699	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T6S-R21E
Croquet Fed. No. 1	U-53862	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 2	U-53862	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 35-T6S-R21E
Croquet Fed. No. 3	U-53862	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T6S-R21E
Bridle Fed. No. 1	U-47866	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 2	U-47866	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 3	U-47866	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T6S-R22E
Bridle Fed. No. 4	U-47866	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 34-T6S-R22E
Cracker Fed. No. 1	U-54197	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 2	U-54197	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8-T11S-R23E
Cracker Fed. No. 3	U-54193	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T11S-R23E
Cracker Fed. No. 4	U-54196	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7-T11S-R23E
Marble Mansion Unit #1	U-54201	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 18-T11S-R23E
Wells Fed. A No. 1	U-54198	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 12-T11S-R23E
Oil Springs Unit #5	U-08424-A	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T12S-R24E
Oil Springs Unit #7	U-08424-A	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 4-T12S-R24E
Oil Springs Unit #10	U-08424-A	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 5-T12S-R24E

# UTAH FEDERAL WELLS

## MOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Bookcliffs Unit No. 1	U-036905	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 32-T18S-R22E
Bookcliffs Unit No. 3	U-036905	Sw $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 33-T18S-R22E
Hancock Fed. No. 2	U-38720	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 5-T17S-R25E
Hougen Fed. No. A-1	U-42480	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 14-T17S-R24E
TXO-POGO-USA No. 15-9	U-49535	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15-T17S-R24E
Callister Fed. No. 1	U-38363	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 24-T16S-R24E
Ptasynski Fed. No. 1	U-24603-A	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 15-T17S-R23E
Arco Fed. B No. 1	U-9831	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 6-T16S-R25E
Arco Fed. C No. 1	U-06188-B	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 35-T16S-R25E
Arco Fed. D No. 1	U-29645	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 34-T16S-R25E
Arco Fed. H No. 1	U-0126528	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-T16S-R25E
Grynberg Fed. No. 1	U-13653	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 28-T16S-R25E
Lauck Fed. A No. 1	U-34033	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29-T16S-R25E
Lauck Fed. No. 2	U-34033	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 29-T16S-R25E
Nicor Fed. No. 1	U-31807	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 28-T16S-R25E
Nicor Fed. No. 2	U-13653	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. <sup>29</sup> <del>33</del> -T16S-R25E
Valentine Fed. No. 1	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Valentine Fed. No. 2	U-38276	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 34-T16S-R25E
Valentine Fed. No. 3	U-38276	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 35-T16S-R25E
Wall Fed. No. 1	U-24632	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 30-T16S-R25E
Bennion Fed. No. 1	U-24632	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 30-T16S-R25E
Harvey Fed. No. 1-X	U-10427	Sw $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R25E

UTAH FEDERAL WELLSMOAB BLM DISTRICT

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
BMG Fed. No. 1	U-05015	NE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 2	U-05015	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 8-T16S-R26E
BMG Fed. No. 3	U-05015-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 4	U-05015-A	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 17-T16S-R26E
BMG Fed. No. 5	U-05015-A	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 18-T16S-R26E
BMG Fed. No. 7	U-05015-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 17-T16S-R26E
Credo Fed. No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5-T16S-R26E
Credo Fed. A No. 1	U-24638	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 5-T16S-R26E
Moxa Fed. No. 1	U-24638	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 9-T16S-R26E
Moxa Fed. A No. 1	U-24638	NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 4-T16S-R26E

## UTAH STATE WELLS

<u>WELL</u>	<u>LEASE NO.</u>	<u>LOCATION</u>
Texas Pacific No. 1	ML-4468-A	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Texas Pacific No. 2	ML-4468-A	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T16S-R25E Grand County
Little Berry No. 1	ML-21061	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T16S-R23E Grand County
Evacuation Creek No. 1	ML-39868	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 36-T11S-R25E Uintah County
Evacuation Creek A No. 1	ML-28043	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Evacuation Creek 23-2-1	ML-28043	NE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 2-T12S-R25E Uintah County
Stirrup No. 32-1	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-2	ML-22036	SE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County
Stirrup No. 32-4	ML-22036	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 32-T6S-R21E Uintah County

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</p>		5. LEASE DESIGNATION & SERIAL NO. See Below
1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Marathon Oil Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 2590, Cody, Wyoming 82414		8. FARM OR LEASE NAME See Below
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface See Below		9. WELL NO. See Below
10. FIELD AND POOL, OR WILDCAT - See Below		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA See Below
14. API NO. See Below	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY Grand and Uintah
		13. STATE Utah

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FEB 25 1993

DIVISION OF  
OIL GAS & MINING

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) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) _____		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START _____			

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.

On 2/22/93 with an effective date of October 1, 1992, Marathon Oil Company sold all of its rights, title and interests shown on Exhibit 'A' and 'B' to:

Lone Mountain Production Company  
P.O. Box 3394, 408 Production Building  
Billings, Montana 59103-3394

By copy of this sundry notice to Lone Mountain Production Company, Marathon is advising that Lone Mountain Production Company is responsible for operating these leases and wells within the federal and state rules and regulations.

Utah O&G--cc: WRF,RDS,CLB,RPM,KJI,TITLE AND CONTR(HOU),ACCTG.,CFR,LONE MTN. PROD.

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

SIGNED R.P. Meabon TITLE Regulatory Coordinator DATE 2/23/93

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

List of Properties sold by Marathon Oil Company to Lone Mountain Production Company, P.O. Box 3394, 408 Petroleum Building, Billings, Montana 59103-3394

WELL	LOCATION	LEASE	API #
<b>North Horse Point Field</b>			
Little Berry State #1	SW/4 SW/4, Sec. 2-16S-23E	ML-21061	043-019-31075
<b>BAR X West Field</b>			
Hancock Federal #2	NW/4 SW/4, Sec. 5-17S-25E	U-38720	043-019-30833
<b>Bryson Canyon Field</b>			
Hougen Federal A#1- St #1	SW/4 SW/4 Sec. 14-17S-24E	U-42480	043-019-30799
TXO Pogo USA #19-9	NE/4 SE/4, Sec. 15-17S-24E	U-49535	043-019-30779
<b>East Canyon Field</b>			
Callister Federal #1	NW/4 SE/4 Sec. 24-16S-24E	U-38363	043-019-30857
Ptasynski Federal #1	NE/4 NW/4 Sec. 15-17S-23E	U-24603-A	043-019-30780
<b>Horseshoe Bend Field</b>			
Bridle Federal #1	SW/4 SW/4 Sec. 34-6S-22E	U-47866	043-047-31533
Bridle Federal #2	NE/4 SE/4 Sec. 34-6S-22E	U-47866	043-047-31655
Bridle Federal #3	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31678
Bridle Federal #4	SE/4 NE/4 Sec. 34-6S-22E	U-47866	043-047-31866
Croquet Federal #1	SE/4 NE/4 Sec. 35-6S-21E	U-53862	043-047-31440
Croquet Federal #2	NE/4 SE/4 Sec. 35-6S-21E	U-53862	043-047-31672
Croquet Federal #3	NE/4 NW/4 Sec. 35-6S-21E	U-53862	043-047-31867
Football Fed #29-4	SE/4 SW/4 Sec. 29-6S-21E	U-46699	043-047-31883
Shuffleboard Fed #1	NE/4 NE/4 Sec. 27-6S-21E	U-31255	043-047-31668
Stirrup Fed. #28-1	NW/4 SW/4 Sec. 28-6S-21E	U-34711	043-047-31571
Stirrup Fed. #29-2	NW/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31508
Stirrup Fed. #29-3	SE/4 SE/4 Sec. 29-6S-21E	U-46699	043-047-31634
Stirrup State #32-1	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31557
Stirrup State #32-2	SE/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31626
Stirrup State #32-4	NW/4 NE/4 Sec. 32-6S-21E	ML-22036	043-047-31648
<b>Rockhouse Field</b>			
Cracker Fed. #1	SE/4 NE/4 Sec. 8-11S-23E	U-54197	043-047-31532
Cracker Fed. #2	SE/4 SE/4 Sec. 8-11S-23E	U-54197	043-047-31690
Cracker Fed. #3	SW/4 SE/4 Sec. 5-11S-23E	U-54193	043-047-31689
Cracker Fed. #4	SE/4 NE/4 Sec. 7-11S-23E	U-54196	043-047-31748
Marble Mansion #1	SE/4 SE/4 Sec. 18-11S-23E	U-54201	043-047-31865
Wells Fed. A #1	SW/4 SE/4 Sec. 12-11S-23E	U-54198	043-047-31603

San Arroyo Field

Arco Fed. B #1	SE/4 SE/4 Sec. 6-16S-25E	U-9831	043-019-30552
Arco Fed. C #1	NW/4 NW/4 Sec. 35-16S-25E	U-06188-B	043-019-30572
Arco Fed. D #1	NE/4 SE/4 Sec. 34-16S-25E	U-29645	043-019-30578
Arco Fed. H #1	NW/4 SW/4 Sec. 12-16S-25E	U-0126528	043-019-31002
Bennion Fed. #1	NE/4 NW/4 Sec. 30-16S-25E	U-24632	043-019-30893
BMG Fed. #1	NE/4 NW/4 Sec. 8-16S-26E	U-05015	043-019-31017
BMG Fed. #2	SW/4 SW/4 Sec. 8-16S-26E	U-05015	043-019-31108
BMG Fed. #3	SW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31114
BMG Fed. #4	NW/4 NW/4 Sec. 17-16S-26E	U-05015-A	043-019-31130
BMG Fed. #5	NW/4 SW/4 Sec. 8-16S-26E	U-05015-A	043-019-31131
BMG Fed. #7	NW/4 SE/4 Sec. 17-16S-26E	U-05015-A	043-019-31183
Bookcliffs #1	SE/4 SE/4 Sec. 32-18S-22E	U-036905	043-019-15410
Bookcliffs #3	SW/4 NE/4 Sec. 33-18S-22E	U-036905	043-019-15411
Credo Fed. #1	NE/4 SE/4 Sec. 5-16S-26E	U-24638	043-019-30797
Credo Fed. A #1	SE/4 NW/4 Sec. 5-16S-26E	U-24638	043-019-30798
Grynberg Fed. #1	NE/4 SW/4 Sec. 28-16S-25E	U-13653	043-019-30657
Harvey Fed. #1-X	SW/4 SE/4 Sec. 5-16S-25E	U-10427	043-019-30574
Lauck Fed. A #1	SE/4 SE/4 Sec. 29-16S-25E	U-34033	043-019-30990
Lauck Fed. #2	NW/4 SW/4 Sec. 29-16S-25E	U-34033	043-019-31109
Moxa Fed. #1	SW/4 SW/4 Sec. 9-16S-26E	U-24638	043-019-30698
Moxa Fed. A #1	NE/4 SE/4 Sec. 4-16S-26E	U-24638	043-019-30792
Nicor Fed. #1	NW/4 NE/4 Sec. 28-16S-25E	U-31807	043-019-30656
Nicor Fed. #2	NW/4 NE/4 Sec. 33-16S-25E	U-13653	043-019-31020
Texas Pac St #1	NW/4 SE/4 Sec. 36-16S-25E	ML-4468-A	043-019-30634
Texas Pac St #2	SW/4 SW/4 Sec. 36-16S-25E	ML-4468-A	043-019-30670
Valentine Fed. #1	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-30639
Valentine Fed. #2	SE/4 NW/4 Sec. 34-16S-25E	U-38276	043-019-30640
Valentine Fed. #3	SE/4 SW/4 Sec. 35-16S-25E	U-38276	043-019-31009
Wall Fed. #1	NE/4 SW/4 Sec. 30-16S-25E	U-24632	043-019-30838

Oil Springs Field

Oil Springs #5	NE/4 SW/4 Sec. 5-12S-24E	U-08424-A	043-047-15930
Oil Springs #7	SE/4 SW/4 Sec. 4-12S-24E	U-08424-A	043-047-31248
Oil Springs #10	NE/4 NE/4 Sec. 5-12S-24E	U-08424-A	043-047-31656

Evacuation Creek Field

Evacuation Creek State A #1	NE/4 NE/4 Sec. 2-12S-25E	ML-28043	043-047-31674
Evacuation Cr.#23-2-1	NE/4 SW/4 Sec. 2-12S-25E	ML-28043	043-047-15675
Evacuation Creek State #1	SE/4 SW/4 Sec. 36-11S-25E	ML-39868	043-047-31307

Marathon Oil Company  
Change of Operator

CONDITIONS OF APPROVAL

We have reviewed your proposal for technical adequacy and concur with the request providing the following stipulations are included as a part of the approval.

---

1. This change of operator approval is for the following wells only:

<u>WELL NAME &amp; NUMBER</u>	<u>LEASE NUMBER</u>
Stirrup Fed. 28-1	U - 34711
Stirrup Fed. 29-2	U - 46699
Stirrup Fed. 29-3	U - 46699
Stirrup Fed. 29-4	U - 46699
Croquet Fed. 1	U - 53862
Croquet Fed. 3	U - 53862
Bridle Fed. 1	U - 47866
Bridle Fed. 2	U - 47866
Bridle Fed. 3	U - 47866
Bridle Fed. 4	U - 47866
Cracker Fed. 1	U - 54197
Cracker Fed. 2	U - 54197
Cracker Fed. 3	U - 54193
Cracker Fed. 4	U - 54196
Wells Fed. 1	U - 54198

2. The other wells as listed in the attachment to this sundry notice are denied. The reason for denial is because the wells are either in a Communitization Agreement (C.A.) or a Federal Unit or they are located outside of the Vernal District. Changes of operator for wells that are C.A.s or Federal Units needed to be filed with our BLM State Office in Salt Lake City, Utah. The changes for the other wells will need to be filed in the appropriate District or Resource Area Office.

RECEIVED

MAR 22 1993

DIVISION OF  
OIL GAS & MINING

Bureau of Land Management  
Branch of Fluid Minerals  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

RECEIVED

JUN 04 1993

June 1, 1993  
DIVISION OF  
OIL, GAS & MINING

Lone Mountain Production Company  
P.O. Box 3394  
Billings, Montana 59103-3394

Re: Successor of Operator  
Communitization Agreement (CA)  
UT060P49-86C702  
Grand County, Utah

Gentlemen:

We received an indenture dated February 22, 1993, whereby Marathon Oil Company resigned as Operator and Lone Mountain Production Company was designated as Operator for CA UT060P49-86C702, Grand County, Utah.

This instrument is hereby approved effective as of June 1, 1993. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under CA UT060P49-86C702.

Your statewide (Utah) oil and gas bond No. 0719 will be used to cover CA operations.

Please advise all interested parties of the change in operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)  
Division Oil, Gas, & Mining  
File - UT060P49-86C702 (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

U-922:TAThompson:tt:06-01-93

WELL STATUS REPORTS  
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UT060P4986C702 UT060P4986C702	430193079900S1	A-1	SWSW	14	17S	24E	PGW	UTU42480	MARATHON OIL COMPANY

## MDO WELLS AND LEASES LISTED BY OPERATOR 04/09/93 (MDOPIV.FEX)

H\_OPERATOR

WFI IN ITEM	W WELL_NO	W WELL_STAT	W_TOWNSHIP	W_RANGE	W_SECTION	W_QTR_QTR	W_API_WEL_NO
MARATHON OIL COMPANY							
UTU05015A*MAR	8	ABD	16S	26E	7	NESW	430193120400X1
	6	P+A	16S	26E	7	SWSE	430193118100X1
UTU0126528*LON	1	PGW	16S	25E	12	NWSW	430193100200S1
* UT060P4986C702	A-1	PGW	17S	24E	14	SWSW	430193079900S1
* Lone Mountain Production Company c/f. 4/1/93							
SRM1212	15-25	GSI	29S	23E	25	SWSE	430373030900S1
NRM1858	1	ABD	17S	23E	9	SWSE	430193070800X1
8910203910	6-26	POW	38S	25E	26	NESE	430373154000S1
	5-26	POW	38S	25E	26	SWNE	430373136800S1
	1	WSW	38S	25E	25	SWNW	430375966500S1
	4-25	WIW	38S	25E	25	SESW	430373114500S1
	3-25	TA	38S	25E	25	SESW	430373102000S1
	2-25	POW	38S	25E	25	NWSW	430373098300S1
	4-26	WIW	38S	25E	26	SENE	430373094100S1
	3-23	WIW	38S	25E	23	SWSW	430373081500S1
	2-23	POW	38S	25E	23	SESW	430373080800S1
	3-26	WIW	38S	25E	26	NWNE	430373076200S1
	1-25	WIW	38S	25E	25	SWNW	430373069000S1
MASTER PETROLEUM + DEV CO INC							
UTU39499*MAS	27-7	OSI	20S	21E	27	NWNE	430193106800S1
MCCULLISS RESOURCES CO INC							
UTU15254	1-11	GSI	12S	14E	11	SWSE	430073001400S1
CR211	101-A	GSI	12S	16E	33	SWSE	430073004900S1
8910085150	1	GSI	12S	15E	11	SENW	430071604500S1

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-IEC	7-ZRC
2-DTS	
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: 2-22-93)

TO (new operator)	<u>LONE MTN PRODUCTION CO</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>PO BOX 3394</u>	(address)	<u>PO BOX 2690</u>
	<u>BILLINGS, MT 59103-3394</u>		<u>CODY, WY 82414</u>
	<u>phone (406) 245-5077</u>		<u>phone (307) 587-4961</u>
	<u>account no. N 7210</u>		<u>account no. N 3490</u>

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

**CA/UTO60P4986C702**

Name: <u>BOUGEN FED A #1-ST #1</u>	API: <u>43-019-30799</u>	Entity: <u>6686</u>	Sec <u>14</u> Twp <u>17S</u> Rng <u>24E</u>	Lease Type: <u>U-42480</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**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(2-25-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(2-25-93)*
- 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: \_\_\_\_\_.
- See 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.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(6-10-93)*
- See 6. Cardex file has been updated for each well listed above. *(6-10-93)*
- See 7. Well file labels have been updated for each well listed above. *(6-10-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(6-10-93)*
- See 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**

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).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

**BOND VERIFICATION (Fee wells only)**

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) no. Today's date 6-15 1993. If yes, division response was made by letter dated 6-15 1993.

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 6-15 1993, 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.
2. Copies of documents have been sent to State Lands for changes involving State leases.

**MICROFILMING**

1. All attachments to this form have been microfilmed. Date: 6-15 1993.

**INDEXING**

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 have been filed in the Operator Change file.

**REMARKS**

930610 Bln/S.Y. Approved effective 6-1-93.