

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 2, 1981

RECEIVED
SEP 03 1981

Utah Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

Attention: Mr. Cleon Feight

Re: Credo Federal "A" #2
Section 6-T16S-R26E
Grand County, Utah

Gentlemen:

Enclosed for your review and approval are three copies of an Application for Permit to Drill for the above-referenced well location. Copies of the survey plat, and blowout preventer diagram are also submitted in triplicate. Due to a tight drilling rig schedule, we request an expeditious review of this package.

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

Very truly yours,

TXO PRODUCTION CORP.



Paul Urban
Environmental Scientist

PU/BS
Enclosures/as stated

RECEIVED
 UNITED STATES DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 SEP 03 1981

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> DIVISION OF PLUG BACK <input type="checkbox"/> OIL, GAS & MINING			5. LEASE DESIGNATION AND SERIAL NO. U-24638	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
2. NAME OF OPERATOR TXO Production Corp.			7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR 1800 Lincoln Center Building, Denver, Colorado 80264			8. FARM OR LEASE NAME Credo Federal "A"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface 1788' FNL, 1494' FWL, Section 6-T16S-R26E At proposed prod. zone			9. WELL NO. #2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 19 miles NW of Mack, Colorado			10. FIELD AND POOL, OR WILDCAT San Arroyo Field	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 1494'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 6-T16S-R26E	
16. NO. OF ACRES IN LEASE 1874.24			12. COUNTY OR PARISH 13. STATE Grand Utah	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			19. PROPOSED DEPTH 6650'	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2010'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7304' GR			22. APPROX. DATE WORK WILL START*	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16"	Conductor	40'	2 yards
12 1/2"	9 5/8"	36# K-55 New	300'	200 sacks <i>cement to surface</i>
8 3/4"	7"	20# K-55 New	3050'	200 sacks
6 1/4"	4 1/2"	11.6# N-80 New	6650'	200 sacks

**APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING**
 DATE: 9-29-81
 BY: M. J. Minder

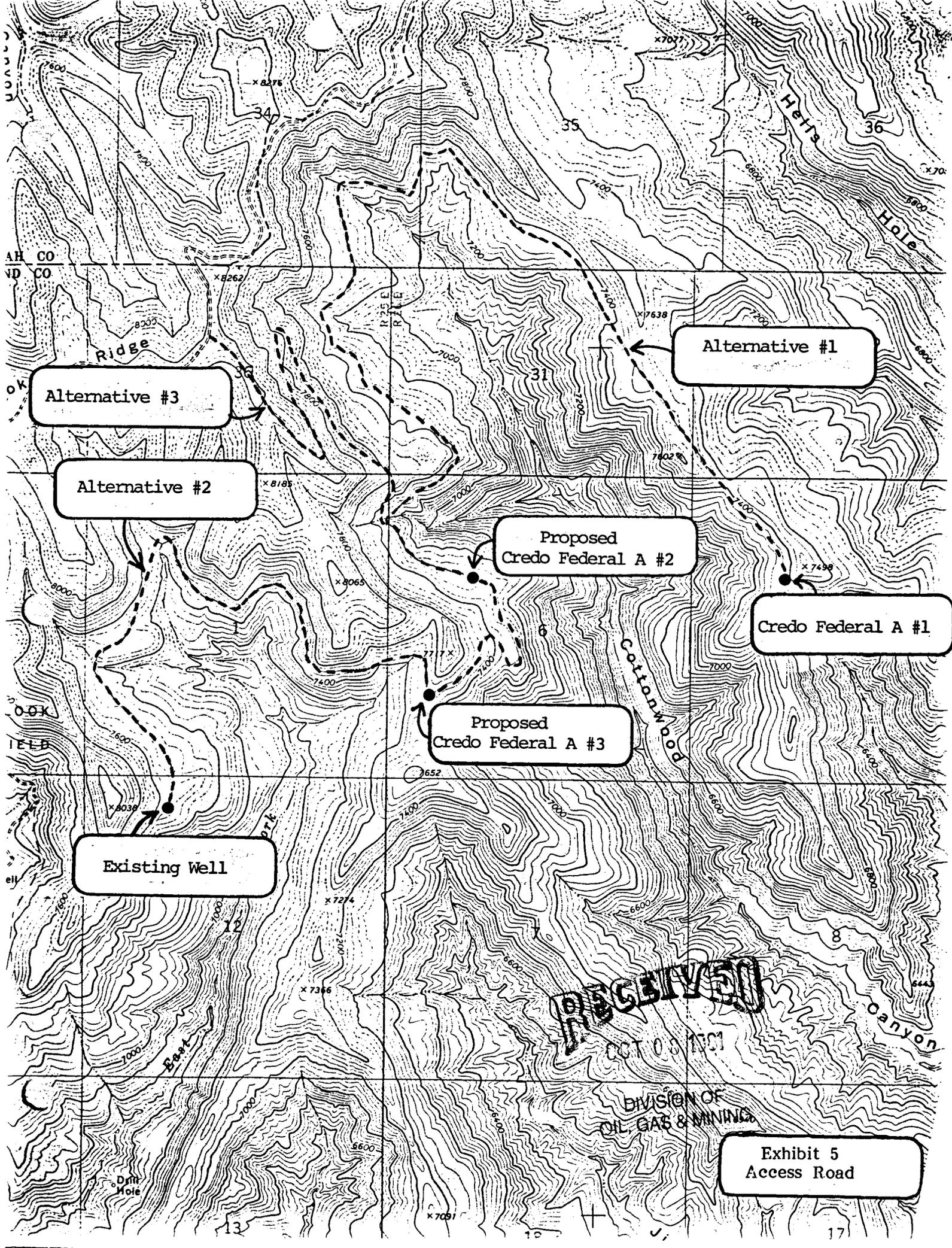
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Ronald E. Dashner TITLE District Drilling Engineer DATE August 18, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



Alternative #3

Alternative #2

Alternative #1

Proposed Credo Federal A #2

Credo Federal A #1

Proposed Credo Federal A #3

Existing Well

Exhibit 5 Access Road

RECEIVED
OCT 03 1951

DIVISION OF
OIL, GAS & MINING

** FILE NOTATIONS **

DATE: Sept 28, 1981

OPERATOR: TXO Production Corp.

WELL NO: Credo Federal #2

Location: Sec. 6 T. 16S R. 26E County: Grand

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-019-30854

CHECKED BY:

Petroleum Engineer: M. J. Minder 9-29-81
Per call C. Curlee 9/29/81 designated drilling unit as N/2 of section

Director: _____

Administrative Aide: Rule C-3(c), also on other oil or gas wells, needs tips

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 107-2 4/30/81

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.

September 20, 1981

TXO Production Corp.
1800 Lincoln Center Bldg.
Denver, Colo. 80264

RE: Well No. Credo Federal "A" #2,
Sec. 6, T. 16S, R. 26E,
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. 107-2, dated April 30, 1981. This will be the location for the north half of the section.

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 43-019-30854.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS

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
 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
 1788' FNL, 1494' FWL, Section 6-T16S-R26E *SE NW*
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 19 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) 1494'
 16. NO. OF ACRES IN LEASE 1874.24

17. NO. OF ACRES ASSIGNED TO THIS WELL 320
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5. LEASE DESIGNATION AND SERIAL NO.
 U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Credo Federal "A"

9. WELL NO.
 #2

10. FIELD AND POOL, OR WILDCAT
 San Arroyo Field

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
 Section 6-T16S-R26E

12. COUNTY OR PARISH 13. STATE
 Grand Utah

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 District Drilling Engineer DATE August 18, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY WT Martin FOR E. W. GUYNN DATE SEP 28 1981
 CONDITIONS OF APPROVAL, IF ANY: TITLE DISTRICT OIL & GAS SUPERVISOR

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

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

RECEIVED
 1981
 DIVISION OF OIL, GAS & MINING

8 units @ 2 1/2

Identification No. 588-81

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

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator TXO PRODUCTION CORP / CREDO FEDERAL "A" # 2

Project Type GAS WELL

Project Location 1788' FNL, 1494' FWL SEC 6 T16S-R 26E

Well No. 2 Lease No. U-24638

Date Project Submitted 8/21/81

FIELD INSPECTION

Date 9/10/81

Field Inspection
Participants

<u>GEORGE DIWALCHAK</u>	<u>USGS</u>
<u>JEFF ROBBINS, ELMER DUNCAN, BOB DALLA</u>	<u>BLM</u>
<u>PAUL URBAN, CHARLIE CURLEE</u>	<u>TXO</u>
<u>CHARLIE HOOVER, DAN NAYLOR</u>	<u>NORTHWEST PIPELINE</u>
<u>FOREST BIRD</u>	<u>GALLEY CONST.</u>

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.

SEP 28 1981

Date Prepared

George J. Diwalek
Environmental Scientist

I concur

SEP 28 1981

Date

W.P. Minton
District Supervisor

FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

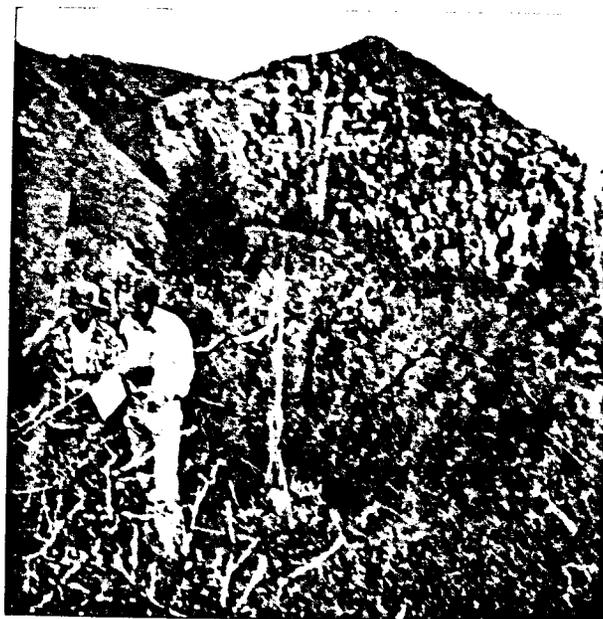
Criteria 516 DM 2.3.A	Federal/State Agency			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety	1 (9-25-81) ↓				9		6	6 (9-10-81)	4,8
2. Unique charac- teristics	1				9		6	6	4,8
3. Environmentally controversial					9		6	6	4
4. Uncertain and unknown risks	1				9		6	6	4,8
5. Establishes precedents					9		6	6	4
6. Cumulatively significant					9		6	6	4
7. National Register historic places	1								
8. Endangered/ threatened species	1								
9. Violate Federal, State, local, tribal law	1						6	6	8

PLEASE REFER TO ATTACHED
LEGEND

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND ..

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application for Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. RECOMMENDED STIPULATIONS

9 ENVIRONMENTAL ASSESSMENT No 200-81 for TEXAS OIL &
GAS CORP MOXA FEDERAL No 1 , SEC. 9 T16S, R26E



TXO
CREDO #2

↑
NW

RECOMMENDED STIPULATIONS

1. SEE BLM STIPULATIONS
2. ADEQUATE QUANTITIES OF CEMENT MUST BE USED WITH INTERMEDIATE CASING STRINGS TO INSURE ISOLATION OF USEABLE WATER IN THE MESAVERDE FORMATION
3. ACCESS ALTERNATIVE #1 SHALL BE CONSTRUCTED TO GAIN ACCESS TO THE CREDO FEDERAL #2 AND 3 WELLS
4. A DRAINAGE DITCH WILL BE CONSTRUCTED ABOVE THE LOCATION / RESERVE PIT (SOUTH OF PAD) TO PREVENT DIVERT RUNOFF AND PREVENT EXCESS DRAINAGE INTO THE PIT
5. A BLM RIGHT OF WAY IS REQUIRED FOR ALL OFF LEASE FEDERAL ROADS
6. RIGHT OF WAY AGREEMENTS SHOULD BE OBTAINED FOR ALL STATE ROADS OR NEW CONSTRUCTION ACROSS STATE LANDS .

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SURFACE DISTURBANCE STIPULATIONS
Oil and Gas Lease

Notwithstanding any provision of this lease to the contrary, any drilling, construction, or other operation on the leased lands that will disturb the surface thereof or otherwise affect the environment, hereinafter called "surface disturbing operation," conducted by lessee shall be subject, as set forth in this stipulation, to prior written approval of such operation by the Area Oil and Gas Supervisor and the appropriate surface management agency and to such reasonable conditions, not inconsistent with the purposes for which this lease is issued, as the Supervisor or surface management agency may require to protect the surface of the leased lands and the environment.

2. Prior to entry upon the land or the disturbance of the surface thereof for drilling or other purposes, lessee shall submit for approval in writing two (2) copies of a map and explanation of the nature of the anticipated activity and surface disturbance for all counties in Utah other than San Juan County to the Area Oil and Gas Supervisor, Geological Survey, P. O. Box 2859, Casper, Wyoming 82601, and for San Juan County, Utah, to Area Oil and Gas Supervisor, Geological Survey, P. O. Box 1857, Roswell, New Mexico 88201, and will also furnish the appropriate surface management agency (see reverse side of this form) with a copy of such map and explanation.

An environmental analysis will be made by the Geological Survey in consultation with the appropriate surface management agency for the purpose of assuring proper protection of the surface, the natural resources, the environment, existing improvements, and for assuring timely reclamation of disturbed lands.

3. Upon completion of said environmental analysis, the Area Oil and Gas Supervisor shall notify lessee of the conditions, if any, to which the proposed surface disturbing operations will be subject. Said conditions may relate to any of the following:

- (a) Location of drilling or other exploratory or developmental operations or the manner in which they are to be conducted;
- (b) Types of vehicles that may be used and areas in which they may be used;
- (c) Manner or location in which improvements such as roads, buildings, pipelines, or other improvements are to be constructed;
- (d) Roads in areas with mancos or arapien shale, or on slopes in excess of 15 percent, will have water bars as specified in writing by the authorized officer. Water will be conveyed away from the road by ditches constructed on grade where the roads are parallel with the slope. Roads constructed across the slope will require culverts placed on the ground and parallel with the slope. During adverse weather conditions only all weather roads will be used; all other roads will require written approval from the authorized officer; and,
- (e) Sludge pits will be kept free of oil films that may be hazardous to migratory birds.

18. W. M. Livestock and W. M. Permanent Im. Formed by the Yearly physical

Surface Disturbance Stipulations
Restricted Oil and Gas Lease Areas

Serial No. 24638
U. 24638

1. All leases in restricted areas will be subject to the stipulations below and any additional stipulations specified by the authorized officer. When the authorized officer must approve an action or provide specifications it will be in writing unless otherwise specified in the stipulations.

2. The lessee shall ensure that full compliance with the stipulations is made by all persons acting in his behalf, including designated operators, and by all his employees, agents, contractors, subcontractors and employees of contractors or subcontractors. Copies of the stipulations attached to the lease and approved drilling permit will be available at exploration and operating sites and will be made known to all on-the-ground construction, exploration and operating personnel.

3. All survey monuments, witness corners, reference monuments and bearing trees must be protected against destruction, obliteration or damage. Any damaged or obliterated markers must be reestablished, at the lessee's expense, in accordance with accepted BLM survey practices as set forth in the Manual of Surveying Instructions. A complete record of the monumentation and the methods used in reestablishment will be furnished to the Chief, Branch of Cadastral Survey, at the appropriate State Director's Office.

4. The lease area will be available for any other public use, unless restricted in writing by the authorized officer.

5. Existing roads and trails will be used whenever possible. Road and trail widths will be kept to the minimum necessary and all locations and specifications will be approved in writing by the authorized officer. Scalping of top soil and removal of vegetation will not be allowed unless approved by the authorized officer. Roads to any well or other regularly maintained or inspected improvement will be upgraded as directed by the authorized officer. Such upgrading may include ditching, draining, culverts, graveling or capping of the road bed.

6. The lessee will comply with existing county, state and federal laws pertaining to the protecting and preservation of wild horses, wild burros, raptors, wildlife, water quality, public health and public safety; and any applicable county, state and federal laws and regulations concerning the use of poisonous substances, including insecticides, herbicides, fungicides, rodenticides and other similar substances. Prior to the use of such substances the lessee will obtain from the authorized officer approval of a written plan for such use. The plan shall state the type and quantity of material to be used, the animal or plant to be controlled, the method of application and such other information as the authorized officer may require. All use of such substances shall be in accordance with the approved plan. If the use of a chemical is prohibited by the Secretary of the Interior, it shall not be used. If use of a chemical is limited by the Secretary of the Interior, it shall be used only in accordance with that limitation.

7. Burning is permissible only by prior written consent of the authorized officer and in compliance with state and federal air quality standards and laws. The lessee will be responsible for prevention, control and suppression of all wildfires that are caused by burning in connection with this lease. The lessee will be billed by the surface management agency for fire suppression and fire rehabilitation cost resulting from uncontrolled burning of material. The lessee will do everything reasonable, both independently and/or upon request of the authorized officer, to prevent and suppress fires on or near lands to be occupied under the lease by taking initial attack action including making available such construction equipment and maintenance forces that are available. All vegetative and other material cut, uprooted or otherwise accumulated will be disposed of as specified by the authorized officer.

8. All access routes and areas of use will be kept clean. All garbage and foreign debris will be removed to an authorized dump site at least weekly. Sanitary facilities for all solid and liquid waste disposal will meet all state, federal and local codes and regulations.

9. All operations will be conducted to keep any change in the character of the land to an absolute minimum. Pollution, channeling or any erosion or degradation of lands, water quality, streams, lakes, ponds, waterholes, seeps, or marshes, or damage to any fish, wildlife, or domestic livestock resource will not be allowed. The burning off of sump pits to eliminate waste oil will not be allowed. Drainage systems will not be blocked. Vegetation will not be disturbed within 300 feet or within the flood plain of any water course, except at designated stream crossings. State water quality standards will be maintained. All disturbance to live streams and improvements, including but not limited to, fences, roads, watering facilities, culverts, bridges, trails, cattle guards, water development and control structures will be kept to an absolute minimum and will be repaired to at least their former state by the lessee. Functional use of improvements will be maintained at all times. When it is necessary to pass through a fence, the fence will be braced on both sides of the passageway prior to cutting. Four-inch treated timbers or larger will be used for bracing. A gate acceptable to the authorized officer will be installed. Where a permanent road is to be constructed or maintained, cattle guards of an approved design will be placed at all fence crossings with a gate at the side.

10. All operations will be conducted to protect aesthetic and scenic values. Site selection will be carefully considered to reduce adverse visual impacts. In some areas a qualified



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO

3809
U-24638
(U-068)

Memorandum

SEP 25 1981

To: Oil & Gas Office
USGS Conservation Division
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84101

From: Area Manager, Grand

Subject: Permit to Drill : U-24638
TXO Production Corporation
Credo Federal "A" #2
Section 6, T. 16 S., R. 26 E.
Grand County, Utah

On Sept. 10, 1981 a representative from this office met with George Diwachak, USGS, and Charlie Curlee, agent of the TXO Production Corp. for an inspection of the above referenced location. Subject to the attached conditions and written approval from 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 TXO Production Corp.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah phone (801 259-6111) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
5. Improvement to the existing road will not be necessary. The total disturbed width allowed will be as is. The allowable travel surface will be as is.

The allowable travel surface width will be 20 feet. (For construction design and survey refer to class II road standards attachment.

Trees will be placed on the uphill side of the road on slopes less than 45% and pushed down hill on slopes greater than 45%.

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

Surfacing material will not be placed on the access road or location without prior BLM approval.

6. The top 8 to 12 inches of soil material will be removed from the location and stockpiled separate from the trees on the SE side of the location between stakes 4 and 3 (refer to exhibit 8 NTL-6) the shrubs will be included.
7. Above the reserve pit, a drainage ditch will be cut to prevent excess water into the pit.

8. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying. The fence will be 4 strand barbed wire.

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. Any remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.
2. All above-ground facilities will be painted using the attached suggested colors.
3. The access will be to the design of a class II road.
4. The production area will be established and reclaimed to conform with the natural surroundings.

REHABILITATION

1. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the trash pit/cage. Non-burnable debris will be hauled to a local town dump site.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801 259-6111), 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit must be completely dry and any trash (barrels, metal etc.) it contains must be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 12-18 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/drilled) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.
9. Waterbars will be used on all sloping surfaces as shown below:

Grade

2%
2-4%
4-5%
+5%

Spacing

200 ft. spacing
100 ft. spacing
75 ft. spacing
50 ft. spacing

SEED MIXTURE

List #2

Bookcliff

Species

Grasses

Agropyron inerme	Beardless bluebunch	1
Festuca thurberi	Thurber fescue	1
Oryzopsis hymenoides	Indian ricegrass	1
Poa fendleriana	Muttongrass	1

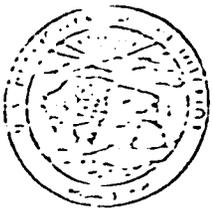
Forbs

Hedysarum boreale var utahensis	Utah northern sweetvetch	$\frac{1}{2}$
Medicago sativa	Alfalfa	1
Penstemon palmeri	Palmer penstemon (Pind wildsnaparagon)	$\frac{1}{2}$

Shrubs

Cercocarpus montanus	Birchleaf mountain-mahogany (True mahogany)	1
Purshia tridentata	Antelope bitterbrush	1

1
8 lbs



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	(Prait & Lambert)
Desert Tan	-----
Sage Gray	(Prait & Lambert)

Bookcliffs Region:

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

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

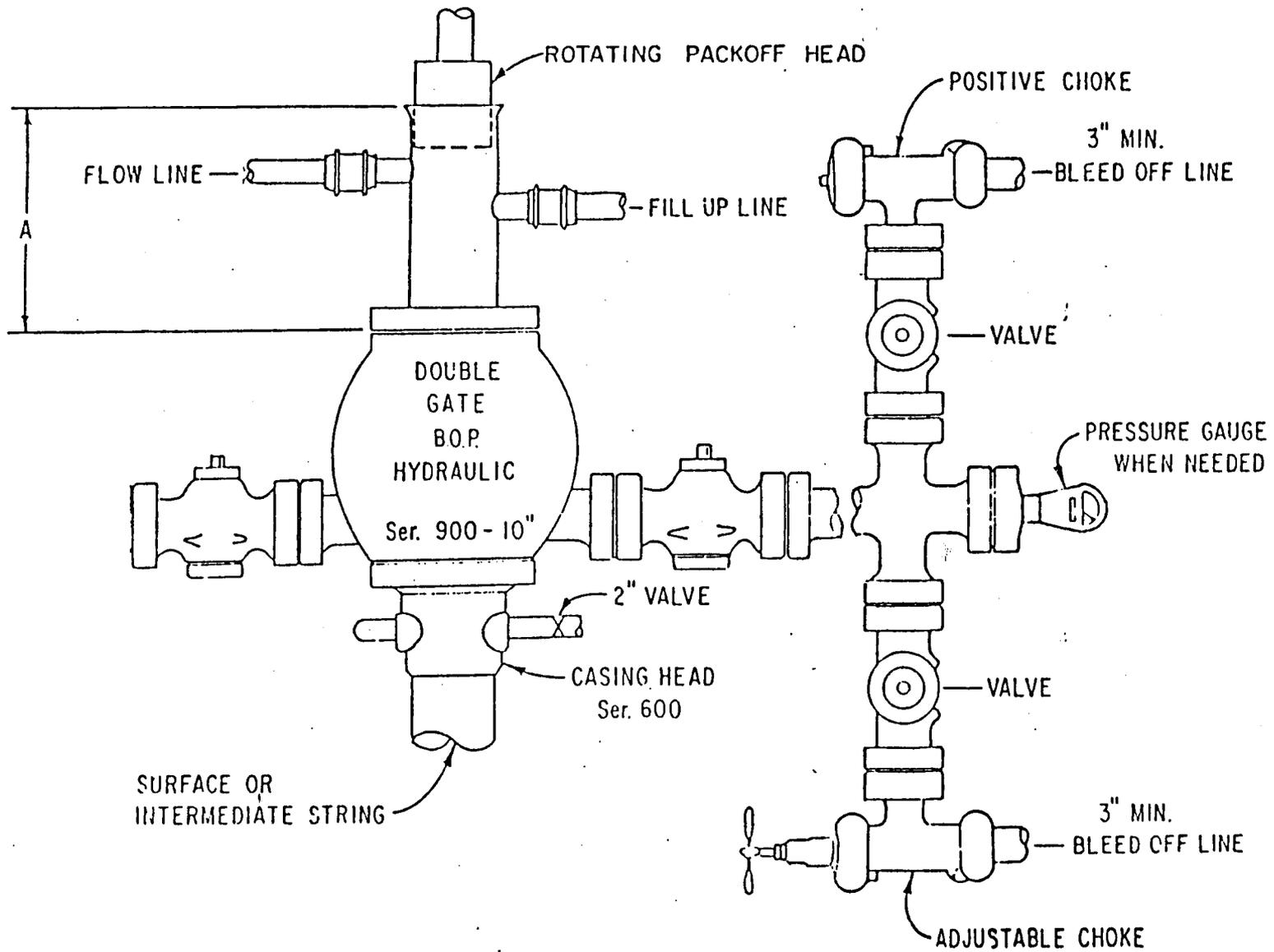


EXHIBIT I
 BLOWOUT PREVENTER DIAGRAM

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

September 30, 1981

Mr. Michael Minder
Utah Division of Oil, Gas & Mining
1588 W. North Temple
Salt Lake City, Utah 84116

Re: Credo Federal "A" #2
Credo Federal "A" #3
Section 6-T16S-R26E
Grand County, Utah

Dear Mr. Minder:

The purpose of this letter is to confirm the designated spacing units for the above mentioned well locations which we discussed on the telephone on September 29, 1981.

TXO Production Corp. designated an east-west 328 acre spacing unit in the N/2 of Section 6 as the spacing unit for the Credo Federal "A" #2. The designated spacing unit for the Credo Federal "A" #3 is the east-west 320 acre unit, comprising the S/2 of Section 6. The designation of these drilling and spacing units is in accordance with Order Cause No. 107-2 dated April 30, 1981.

If you have any questions or need additional information, please contact me at this office.

Very truly yours,

TXO PRODUCTION CORP.

Charles K. Curlee XPL

Charles K. Curlee
Environmental Administrator

CKC/JY

RECEIVED

OCT 02 1981

DIVISION OF
OIL, GAS & MINING

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

October 6, 1981

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

Re: Credo Federal "A" #2
1788' FNL, 1494' FWL
Section 6-T16S-R26E
Grand County, Utah

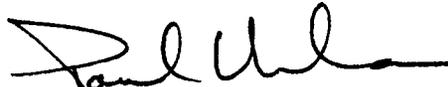
Dear Mike:

TXO Production Corp. requests an administrative spacing exception for the above-mentioned well. Due to topography TXO was unable to locate this well site more than 852' from the south drilling unit boundary. The drilling unit for this well consists of the north half of Section 6-T16S-R26E. (See attached map)

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

Very truly yours,

TXO PRODUCTION CORP.



Paul Urban
Environmental Scientist

PU/JY

Enclosures/as stated

RECEIVED
OCT 08 1981

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

CONFIDENTIAL

NAME OF COMPANY: TXO Production Corporation

WELL NAME: Credo Federal "A" #2

SECTION SESW 6 TOWNSHIP 16S RANGE 26E COUNTY Grand

DRILLING CONTRACTOR Atco

RIG # 18

SPUDDED: DATE 11-11-81

TIME 11:00 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Bruce Wright

TELEPHONE # 303-861-4246

DATE 11-13-81 SIGNED DB

NOTICE OF SPUD

XC
Production

Caller: Bruce Wright

Phone: _____

Well Number: Credo Fed A #2

Location: SE NW 6-165-26E

County: Grand State: Utah

Lease Number: U-24638

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 11:00 a.m. 11-11-81

Dry Hole Spudder/Rotary: atcc #18

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: 11-13-81

Date: JM

cc: Well file
~~UT ST O&G~~
USGS, Verma
TAM
DSB
#PS C...

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 1588 WEST NORTH TEMPLE
 SALT LAKE CITY, UTAH 84116
 533-5771

State Lease No. _____
 Federal Lease No. U-24638
 Indian Lease No. _____
 Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Grand FIELD/LEASE San Arroyo/Credo Federal "A" #2

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
Nov., 1981

Agent's Address 1800 Lincoln Center Bldg. Company TXO Production Corp.
Denver, Colorado 80264 Signed *Jeanne Anderson*
 Title Production Clerk
 Phone No. 303-861-4246

Sec. and 1/4 of 1/4	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (If drilling, depth; if shut down, cause date and result of test for gasoline content of gas)
NW/4 6	16S	26E	2	0	-0-	-	-0-	-0-	-0-	Spud Nov. 11, 1981.

GAS: (MCF)
 Sold _____ -0-
 Flared/Vented _____ -0-
 Used On/Off Lease _____ -0-

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month _____ -0-
 Produced during month _____ -0-
 Sold during month _____ -0-
 Unavoidably lost _____ -0-
 Reason: _____
 On hand at end of month _____ -0-

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED**

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Credo Federal "A"

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

San Arroyo

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

Section 6-T16S-R26E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

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 Building; Denver, CO 80264

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

At surface 1788' FNL & 1494' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

9-28-81

15. DATE SPUDED

11-11-81

16. DATE T.D. REACHED

12-6-81

17. DATE COMPL. (Ready to prod.)

12-30-81

18. ELEVATIONS (DF, R&B, RT, GR, ETC.)*

7304' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6650'

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

6610'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

Rotary Tools

ROTARY TOOLS

Yes

CABLE TOOLS

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

6450.5-57.5 Buckhorn

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DIL, SNP

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#	337'	12 1/4"	200 sx 50-50 poz	None
7"	20#	3208'	8 3/4"	200 sx "H"	None
4 1/2"	11.6#	6610'	6 3/4"	175 sx 50-50 poz	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"	6273'	6292'

31. PERFORATION RECORD (Interval, size and number)
6450.5', 51', 51.5', 52.5', 53', 53.5',
54.5', 55', 55.5', 56', 56.5', 57.5'.
12, 0.38" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6450.5'-57.5'	15170# 20-40 sd

33. PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-31-81	24	11	→		200	lite mist	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
350	0	→		200		

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

Vented

TEST WITNESSED BY

Wes Sutton

35. LIST OF ATTACHMENTS

Logs

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

SIGNED AMC for Bruce R. Wright

TITLE Petroleum Engineer

DATE 1/6/82

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 38, 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.)

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
					Mancos B	3341'
					Frontier	5900'
					Dakota Silt	6163'
					Morrison	6456'

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

January 6, 1982

RECEIVED
JAN 13 1982

Utah Division of Oil
Gas & Mining
1588 West, North Temple
Salt Lake City, Utah 84116

DIVISION OF
OIL, GAS & MINING

Attention: Michael Minder

RE: Completion Report
Credo Federal "A" #2
Section 6-T16S-R26E
Grand County, Utah
TIGHT HOLE

Gentlemen:

Enclosed are appropriate forms detailing completion of the subject well. Also enclosed are logs and a daily drilling report. Please handle this material as confidential.

Should you require anything further please contact this office.

Very truly yours,

TXO PRODUCTION CORP.



Annette M. Callahan
Engineering Technician

AMC/rmm

Enclosure

cc: R.A. Varela
John Holloway - Dallas

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

DEAR CARI FURSE,

PLEASE FIND ENCLOSED THE LOGS THAT YOU REQUESTED.

*CReds
2
16S
26E
6
Pow
Grand*

YOURS TRULY,

SUZANNE MAHAR

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

5. LEASE DESIGNATION AND SERIAL NO.

U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Credo Federal "A"

9. WELL NO.

#2

10. FIELD AND POOL, OR WILDCAT

San Arroyo

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

Section 6-T16S-R26E

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 Building; Denver, CO 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1788' FNL & 1494' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. DATE ISSUED
9-28-81

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATION (IN RELATION TO, ETC.) 19. CASINGHEAD
11-11-81 12-6-81 12-30-81 7304' 1982

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
6650' 6610' 1 Yes 1982

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE
6450.5-57.5 Buckhorn No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORDED
DIL, SNP 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#	337'	12 1/4"	200 sx 50-50 poz	None
7"	20#	3208'	8 3/4"	200 sx "H"	None
4 1/2"	11.6#	6610'	6 3/4"	175 sx 50-50 poz	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6273'	6292'

31. PERFORATION RECORD (Interval, size and number)
6450.5', 51', 51.5', 52.5', 53', 53.5', 54.5', 55', 55.5', 56', 56.5', 57.5'.
12, 0.38" holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6450.5'-57.5'	15170# 20-40 sd

33. PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-31-81	24	11	→		200	lite mist	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
350	0	→		200		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY
Vented Wes Sutton

35. LIST OF ATTACHMENTS
Logs

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

SIGNED AMC for Bruce Wright TITLE Petroleum Engineer DATE 1/6/82

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

WELL NAME: Credo Federal "A" #2
 AREA:
 LOCATION: Section 6-16S-26E
 COUNTY: Grand
 STATE: Utah
 ELEVATIONS: 7304' GR
 FOOTAGE: 1788' FNL & 1494' FWL

CONTRACTOR: ATCO 18
 NID APPROVED:
 EST. ID: 6650'
 AFE NUMBER: 811319
 LEASE NUMBER: 92451
 TMO WT: 100%

TIGHT HOLE

COMPANY

CONTACT

ALTERNATE

TEXAS OIL & GAS CO.
 2700 Fidelity Union Tower
 Dallas, TX 75201

(214) 698-2000
 TELECOPY

J.D. Huppler

CREDO PETROLEUM CORP.
 475 17th St.
 Suite 1010
 Denver, CO 80202

(303) ~~893-2136~~ 830-8500
~~John Zimmerman~~
 Call Daily *Devis*
 Mail Weekly

MOXA ENERGY CORP.
 100 North Center
 Casper, WY 82601

(307) 237-9942
 Evelyn Brummon
 Call Daily
 Mail Weekly

USGS
 1745 W. 1700 So.
 Salt Lake City, Utah 84104

Mail Weekly

E.W Gwynn

- 11/11/81 MIRURT.
- 11/12/81 346' (286'), WOC, surf, air mist 130#. 1/2° @ 214', 1° @ 338'. Spud'd 12 1/2" hole @ 11:00 am on 11/11/81. Mixed mud in pit w/8.7 wt, 37 vis, 10 w.l. RU & rn 8 jts, 9-5/8", 36#, K-55, STC set @ 337'. FC @ 293'. Cmt'd w/80 BM, 40 bbl H₂O, 200 sx 50-50 poz w/2% CaCl₂ tailed by 125 sx "G" w/2% CaCl₂. PD @ 6:15 pm on 11/11/81. BP to 600#. Float hld ok. Good rtns & cmt to surf. DW 73,482. CW 73,482. DD 1.
- 11/13/81 346' (0'), NU BOP, surf, 8.7, 38. Correction on 11/12/81 report: Plg was dwn @ 6:15 am on 11/12/81. DW 117,218. CW 190,700. DD 2.
- 11/14/81 420' (74'), Drlg, surf, air dust 160#. 1/2° @ 400'. DW 17,126. CW 207,826. DD 3.
- 11/15/81 952' (524'), Drlg, air mist 150#. 1/2° @ 736', 1° @ 952'. Well started get'g wet @ 800'. Try to dry hole, drl w/air mist. Hole tight on connections. DW 9233. CW 217,059. DD 4.
- 11/16/81 1537' (585'), Drlg, MesaVerde, air mist 160#. 1 1/4° @ 1156', 1° @ 1288', 1° @ 1402'. Well mak'g approx 20 BWP. DW 9283. CW 226,792. DD 5.
- 11/17/81 2145' (608'), Drlg, MesaVerde, air mist 150#, 38, 8.8, 8.5. 1° @ 1620', 1° @ 1838', 1 1/2° @ 2050'. DW 10,335. CW 237,127. DD 6.
- 11/18/81 2440' (295'), Mug'g up, Buck Tongue, 8.8, 60, 8.5. 1 1/2° @ 2054'. Started mud'g up @ 11:00pm on 11/17/81, well was begin'g to show signs of heav'g & cont'g to make wtr. DW 11,388. CW 248,515. DD 7.
- 11/19/81 2440' (0'), Stage mud in hole to get full rtns. 8.8, 60, 30% LCM. 1 1/4° @ 2271'. Stage in hole & attempt to get full rtns for 22 1/2 hrs. Rtns cont'g to incr LCM @ 30% now-using sawdust, fiber, hulls, paper. Have have rtns up to 50% but not enough to drl. Have staged in to 2170'. DW 19,511. CW 268,026. DD 8.
- 11/20/81 2517' (77'), Aerate mud, Buck Tongue, 8.8, 45, 8.5, 11. 1 1/4° @ 2486'. Regain circ @ 8:30 am on 11/19/81. Reamed 40' to btm. Drl'd 3' in 1 1/2 hrs. TOOH for bit & jets TIH w/ new bit & drl'd to 2515' w/ full rtns, had DB, lost ±150 BM. Presently converting to aerated system. DW 23,570. CW 291,596. DD 9.
- 11/21/81 2742' (225'), Drlg, Castlegate, 8.5-8.6, 42, aerated mud, 1° @ 2579', 1° @ 2701'. Castlegate top @ 2680'. DW 15,355. CW 303,351. DD 10.
- 11/22/81 3100' (358'), Circ & cond for logs, Mancos, 8.5, 40, aerated mud. 1 1/4° @ 2835'. Mancos top @ 2880'. DW 17,568. CW 325,319. DD 11.
- 11/23/81 3100' (0'), Circ & cond & ream to btm. Mancos, 8.6, 50, 15% LCM, 3% KCL. Circ & cond hole, made 20 std short trip, went back to btm, had 120 fill. Circ & cond & ream to btm, made 20 std short trip, had 200' fill. Circ & reamed to 3000', got tight. OVER----

DENVER DISTRICT
TXO PRODUCTION CORP
CREDO FEDERAL A 2
Section 6-16S-R26E
Grand County, Utah

- 11/23/81 Cont: TOO H & slip & cut drlg line & took jets out of bit. TIH & had tight spot @ 2380', reamed for 100' & TIH to 2960', reamed to 3080' & short tripped 5 stds. TIH & tag @ 3080'. Reamed dwn to 3092', ran 5 std short trip. TIH & tag @ 3080'. Presently reaming @ 3092'. DW 13,888. CW 339,207. DD 12.
- 11/24/81 3232' (132'), LD 6" DC's, Mancos, 8.9, 48, 8.5, 10. aereated mud. Short trip'd to 2000'. Wnt bck to btm, had 30' fill. @ this point, decision was made to drl another 100' & rn 7" csg. Drld to 3232'. Made 3 short rips to 2000', had 20' of fill on ea trip. Had some tight spots within 200' of btm, circ & rm'd thru tight spots. Circ & cond hole & TOO H to rn 7" csg. DW 22,300. CW 361,507. DD 13.
- 11/25/81 3232' (0'), NU BOP, Mansoc, RU & rn 69 jts 7", 20#, K-55, STC set @ 3208'. FC @ 3167'. Cmt'd w/ 90 Bbl mud, 20 Bbl 3% KCL spacer, 100 sx "H" w/ 3% CaCl₂, 3/4% CFR-2, tailed by 100 sx "H" w/ 3% CaCl₂, 3/4% CFR-2, 1/4#/sk flocele. PD @ 1:30 pm on 11/24/81. Did not bump plug. No retns, fl did not hold. SE w/ 200#. DW 56,099. CW 417,606. DD 14.
- 11/26/81 3232' (0'), Drlg cmt @ 3171', air mist 200#. Tag'd cmt @ 3106'. DW 9450. CW 427,056. DD 15.
- 11/27/81 4070' (862'), Drlg, Mancos, air dust 180#. 2° @ 3270', 1° @ 3550', 2° @ 3902'. DW 10,435. CW 437,491. DD 16.
- 11/28/81 4478' (408'), Drlg, Mancos "B", air dust 150#. 4° @ 4182', 4 3/4° @ 4295', 4 1/2° @ 4358', 4 1/2° @ 4430'. Vary'g bit wt to hld deviation dwn. Have pit of mud mixed 8.7 wt, 37 vis, bit, bit sub, 16 DC, jars, 3 DC. DW 15,439. CW 452,930. DD 17.
- 11/29/81 4700' (209'), Drlg, Mancos, 180# dusting, 8.8, 38, 6.5, 9.5. 4° @ 4544', 4 3/4° @ 4630', 5° @ 4710'. DW 10,342. CW 463,272. DD 18.
- 11/30/81 5000' (300'), Drlg, Mancos, dusting w/200#. 5° @ 4709', 4 3/4° @ 4730', 4 3/4° @ 4791', misrun @ 4820', 4 1/2° @ 4916'. DW 9846. CW 473,118. DD 19.
- 12/01/81 5244' (244'), Rep rotat'g head, Mancos, air dust 200#. 4 3/4° @ 5040', misrun @ 5226'. Drld to 5236', Rn surv, drp'd 1500' of WL, had to trip to rec tl. DW 12,344. CW 485,462. DD 20.
- 12/02/81 5600' (356'), Drlg, Mancos "B", air dust 180#. 4 3/4° @ 5470', 4 3/4° @ 5590'. DW 15,025. CW 500,487. DD 21.
- 12/03/81 6138' (538'), Drlg, Mancos "B". 4 3/4° @ 5806', 4 1/2° @ 5846', 4 1/2° @ 5970', 4° @ 6104'. DW 9242. CW 509,729. DD 22.
- 12/04/81 6650' (512'), TOO H to log, Morrison, air dust 220#. 4° @ 6104', 3° @ 6405'. Took steady 10' flare @ 6435'. Drld to 6650'. Made 1 short trip to 4800', had no fill. Hole still dry. TOO H to log. DW 10,230. CW 519,959. DD 23.
- 12/05/81 6650' (0'), Rn'g 4 1/2" prod csg, Morrison. DW 22,732. CW 542,691. DD 24.
- 12/06/81 6650' (0'), RDRT (RR @ 3:30 pm on 12/5/81), Morrison. 8.9, 48, 8.5, 10. RU & rn 165 jts 4 1/2", 11.6#, N-80, LTC set @ 6650'. FC @ 6610'. Circ hole w/air, pmp'd 300 BM, 20 BM flush, 10 bbl 3% KCl spacer, 175 sxs "H" 50-50 poz w/2% gel, 5% KCl. PD @ 2:00 pm on 12/5/81. BP to 1200#. Rtrns to surf. Float hld ok. Rotated & reciprocated pipe. DW 92,478. CW 635,169. DD 25.
- 12/07/81 6610' PBT D, WOCU.
- 12/08/81 6610' PBT D, WOCU.
- 12/09/81 6610' PBT D, WOCU.
- 12/10/81 6610' PBT D, WOCU.
- 12/11/81 6610' PBT D, MIRUCT. Unload 220 jts 2-3/8", J-55, EUE, 8rd tbg. Spot accumulator & BOP. SDFN. DW 4675. CW 639,844.
- 12/12/81 6590' PBT D, PU 3-7/8" bit, scraper & TIH w/2-3/8" tbg to 6590'. Circ hole & clean w/3% KCl. TOO H. RU Dyna-Jet to rn CCL-VDL-GR. Had tl failure. SDFN. DW 15,781. CW 657,200.
- 12/13/81 6590' PBT D, Changed out WL tls & rn bond log. Rn lst log w/no press, marginal bond. Press'd to 1000#, rn log again. Showed much improvement. RD Dyna-Jet. SDFN. DW 3795. CW 685,942.
- 12/14/81 6590' PBT D, SDFS. DW 0. CW 685,942.
- 12/15/81 6590' PBT D, Press tst csg & BOP to 5000# for 15". Hld ok. PU SSN & tbg & RIH to 6532'. Swb FL to 4100'. TOO H w/tbg. RU Dyna-Jet. RIH w/3-1/8" csg gun & perf Buckhorn @ 6450', 52', 54', & 57'. Tot of 4 0.38" holes. RD Dyna-Jet. RIH w/mod "R" pkr, SSN & tbg. SPA 6350'. Tst pkr to 2000# for 15". Hld ok. Left op to tnk ON. DW 4590. CW 663,810.
- 12/16/81 6590' PBT D, RU swb, IFL @ 4000'. Made 4 swb rns, rec 10 BLW. Made 3 more rns, rec no FL, G started fl'g to surf. Well was fl'g steady w/10# on 1/16" orif, FARO 2 MCFD. RU Tefteller. RIH w/press bombs (72 & 180 hr clocks). Bombs were on btm @ 6:30 pm on 12/15/81. Fl'd well for 2 hrs, SI for press build-up. Will pull bombs & acdz Saturday am. DW 3973. CW 667,783.

DENVER DISTRICT
TXC PRODUCTION CORP.
CREDO FEDERAL A 2
Section 6-16S-26E
Grand County, Utah

- 12/17/81 6590' PBTB, Well SI for press build-up. DW 1557. CW 669,340.
- 12/18/81 6590' PBTB, Well SI for pressure build-up. DW 1557. CW 670,897.
- 12/19/81 6590' PBTB, Well SI for press build-up. DW 1557. CW 672,454.
- 12/20/81 6590' PBTB, POOH w/press bombs. FL @ 6100'. RU Smith & acdz w/ 500 gal 7½% HCL w/ iron sequestrating agent, friction reducer, clay stabilizer & 10 RCN ball sealers. ATP 2800# @ 4 BPM. Balled off to 6000#. Unable to surge balls off. Rel pkr, rn pkr past perfs. POOH to 6292', pmp'd 1 bbl dwn annulus, SPA 6292'. Press annulus to 2000#, displ remain'g acid @ 2800# @ 4BPM. ISIP 1200#, 45 sec 0#. RD Smith. 39 BLWTR. RU swb, IFL @ 150', made 5 rns, rec 2l BLW. After 4th rn, had 2-3' flare. Made 2 rns, rec 1 BLW, well fl'g on 1/8" orif w/23#, FARO 15 MCFD. 17 BLWTR. Left op to pit ON. DW 3907. CW 676,361.
- 12/21/81 6590' PBTB, Well left fl'g to pit for Sunday. CW 676,361.
- 12/22/81 6590' PBTB, Well fl'g to pit on 2" line, had 6-8' flare, no Fl. Inst'd ½" orif, fl'd for 2 hrs, stabilized @ 12#, FARO 129 MCFD. Unset pkr. RU swb, swb FL dwn to 4000'. POOH w/tbg & pkr. RU McCullough. RIH w/3-1/8" csg gun & perf Buckhorn @ 6450.5', 51', 51.5', 52.5', 53', 53.5', 54'.5', 55, 55.5', 56', 56.5', & 57.5'. Tot of 12 0.38" holes. RD McCullough. RIH w/notched collar, SSN & 10 stds 2-3/8" tbg. SDFN. Prep to frac Buckhorn today. Roads in poor shape, hvy snow, tow'g trucks in. DW 5130. CW 681,491.
- 12/23/81 6590' PBTB, RIH w/2-3/8" tbg, landed tbg @ 6273'. ND BOP. NU tree. Inst blast jt. RU Smith to frac Buckhorn. Start pad, had to SD twice, resumed pad, pmp'd 1.0ppg 20-40 sd thru perfs. Pmp'd 1260 gals of 1.5 ppg @ 20 BPM, screened out to 6150#. Had tot of 15,170# 20-40 sd thru perfs @ this time. SD. Fl'd sd bck thru annulus. Displ tbg w/N₂. Filled tbg w/foam pad. Start pad @ 15 BPM & 3300#, went to 1.0ppg sd @ 15 BPM & 4800# incr to 2.0 ppg @ 15 BPM & 4600#, incr to 3.0 ppg @ 15 BPM & 4400#, press incr to 4800#, stop'd sd & started flush w/5 bbl flush to go, press rose to 6000#. Op'd well up @ 6:30pm on 12/22/81. Well fl'g to pit to clean up ON. This am had 500#CP, 0#FTP, well dead. DW 36,032. CW 717,523.
- 12/24/81 6590' PBTB, Opn'd csg on ½" ck & F'd for 4½ hrs, tbg op for 45" w/no blo, SWI for 45" & Left op to pit ON till 10:00 am on 12/23/81. Both csg & tbg dead, RD tree, NU BOP's, pl 50K on tbg & tbg did not come free. RU Halco N₂ to tbg, pmp'd @ 6000# & cld not circ, hooked up to csg w/N₂ & pmp'd @ 4500# & started to circ up tbg, circ sd out of tbg, PU tbg 20' & land, tbg started unloading, Left op to pit ON w/well slugging occassionally. DW 2860. CW 719,270.
- 12/25/81 6590' PBTB, Well F'g to pit ON w/lite blo, GTSTM, FCP 250#, RU to rev sd w/N₂ tag sd @ 6294', CO to 6590' (PBTB), pl tbg & lnd'd @ 6434' (15' abv perfs). Left well F'g to pit w/2' flare, Left op to pit ON, GTSTM. DW 8420. CW 724,830.
- 12/26/81 6590' PBTB, SDFH. DW 0. CW 724,830.
- 12/27/81 6590' PBTB, well F'g to pit. 280# CP, 10# FTP, 1" orif, FARO 440 MCFD w/lite mist. Continue to F well to pit to cln up. DW 1000. CW 725,830.
- 12/28/81 6590' PBTB, SDFS.
- 12/29/81 6590' PBTB, Well F'g to pit ON, had 12' flare, 245# CP, 7# FTP on 1" orif, FARO 385 MCFD w/very fine mist. Inst'd 14/64" ck, had 350# FTP, 400# CP, F'd for 6 hrs, FARO 200 MCFD w/no fl. Blew well dwn on 3/4" ck, had hvy spray, rec 2 BF. 95# FTP, F'g stdy w/lite mist. CP drp'd to 200#. Inst'd 14/64" ck & Left op to pit ON. DW 2970. CW 728,800.
- 12/30/81 6590' PBTB, Well fl'g to pit ON on 14/64" ck, 290# FTP, 400# CP w/no Fl. Blw dwn tbg, had hvy mist for 5". RU swb. RIH w/swb to SSN. Rec + 1 qt wtr. No Fl after rn. RD swb. Inst'd 1" orif, had 7" FTP, FARO 400 MCFD. Ck'd well bck on 11/64" ck. Left op to tnk ON. DW 2560. CW 731,360.
- 12/31/81 6590' PBTB, ND BOP & NU WH. IP @ 200 MCFD w/350# FTP. RR @ 12:00 noon on 12/30/81. SI Buckhorn G well. Drp fr report & WOPL. DW 2910. CW 734,270.

WELL NAME: Credo Federal "A" #2
AREA: San Arroyo
LOCATION: Section 6, T16S-R26E
COUNTY: Grand
STATE: Utah
FOOTAGE: 1788' FNL & 1494' FWL

PTD: 6650'
ELEVATIONS: 7304' GL
CONTRACTOR: Atco #18
AFE NUMBER: 811319
LSE NUMBER: 92451
TXO WI: 100%

CREDO PETROLEUM CORP.
475 17th Street, Ste. 1010
Denver, Colorado 80202
Attn: Doris
Phone: (303) 830-8500

Just Mail

MOXA ENERGY CORP.
100 N. Center
Casper, Wyoming 82601
Attn: Evelyn Brummon
Phone: (307) 237-9942

Just Mail

08/23/83 6610' PBTB, MIRU plugging unit. SITP 360#, SICP 360#. Opened well to pit through 2" line, blew dn in 15 min. Blew csg dn, ND wellhead. TIH w/ tbg, tag fill @ 6545' KB. TOOH w/ tbg, land tbg @ 6452' KB. NU wellhead. RU swab. IFL @ \pm 6350'. Made 3 runs, rec 2-3 BF. Blow incr slightly after each run. LOTPON on 1/4" ch w/ 95# FTP, 110# CP, FARO 158 MCFD, dry gas. After 1 hr, 105# FTP, 135# CP, FARO 172 MCFD. This AM 75# FTP, 135# CP, FARO 128 MCFD, dry gas. DW: 1700. CW: 735,970.

08/24/83 6400' PBTB, well flowing to pit w/ 75# FTP, 135# CP on 1/4" ch, FARO 131 MCFD. ND wellhead. TOOH w/ tbg. RU Dyna-Jet. TIH w/ Baker Model "1AA" CIBP & set @ 6400' KB. TIH w/ dump bailer & dump 3 sxs cmt on top. Loaded hole w/ 60 bbls 3% KCL. FL @ 2500'. Ran GR-CCL log & correlate to Gearhart FDC-CNL log dated 12/4/81. RIH w/ 3-1/8" csg gun & perf from 3502-12' w/ 1 JSPF, total of 11 holes, .38" dia. Had some trouble getting OOH w/ gun. RD Dyna-Jet. TIH w/ notched collar, 1 jt tbg, SSN & 112 jts 2-3/8" tbg. Landed tbg @ 3498' KB. NU wellhead. RU swab. IFL @ 3000'. Made 8 runs, rec 22 BF. FFL @ 3000'. Initial run rec 3% KCL. After 3 runs began rec dark drlg mud. No show of gas. LOTPON. SDFN. DW: 6850. CW: 742,820.

08/25/83 6400' PBTB, 0# FTP, 0# CP. Well dead. RU swab. IFL @ 3000'. Made 3 runs. Rec 6 BF. No tr of oil or gas. FFL @ 3000'. ND wellhead. TOOH w/ tbg. RU Dyna-Jet. RIH & free-point 4-1/2" csg & cut 4-1/2" csg @ 5400'. RU csg crew. POOH & LD 60 jts 4-1/2", 11.6#, N-80, LT&C. SDFN. DW: 4950. CW: 747,770.

08/26/83 6400' PBTB, POOH & LD 32 jts 4-1/2", 11.6#, N-80, LT&C csg. RU BJ & circ down csg & up 4-1/2" X 7" annulus. Rec 1/2 bbl oil. Fin POOH & LD remaining 4-1/2" csg. Rec total of 5400' 4-1/2", 11.6#, N-80, LT&C csg. ND csg spool, found 7" csg was parted 1 jt below surface. Pin was parted in collar. SDFN. Prep to RIH w/ csg spear this AM & recover 7" csg. DW: 3150. CW: 750,920.

08/27/83 PBTB @ surface. PU 7" csg spear. Ru Dyna-Jet. RIH, engaged 7" csg @ 66' KB. Stretch tested 7" csg, csg stuck @ \pm 200' KB. Decision made not to attempt to recover any 7" csg. RD Dyna-Jet & LD csg spear. TIH w/ 2-3/8" tbg to 5650' KB. Began LD tbg, tbg stuck @ this point. Attempted to circ dn tbg. Tbg plugged. Attempted to surge tbg. Unable to do so. RU Dyna-Jet. Ran free-point. Tbg free @ 5390' KB. RIH w/ jet-cutter & cut tbg @ 5350' KB. POOH & set plugs as follows: 35 sxs @ 5250-5050', 40 sxs @ 3300-3100', 40 sxs @ 1900-1700', & 30 sxs from 100' to surface. Cut off csg head. Cleaned location & installed dry-hole marker. RR @ 11 PM on 8/26/83. Well P & A'd on 8/26/83. FINAL REPORT!!! DW: 12,700. CW: 763,620.



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

August 13, 1982

TXO Production Corporation
1800 Lincoln Center Building
Denver, Colorado 80264

Re: Well No. Credo Federal "A" #2
Sec. 6, T. 16S, R. 26E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office January 6, 1982, from above referred to well, indicates the following electric logs were run: DIL & SNP. As of today's date, this office has not received these logs: DIL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

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

Cari Furse
Clerk Typist

TXO

TXO PRODUCTION CORP.

1800 LINCOLN CENTER BUILDING
DENVER, COLORADO 80264

TELEPHONE (303) 861-4246

August 5, 1983

STATE OF UTAH
Natural Resources & Energy
Oil, Gas, & Mining
4241 State Office Building
Salt Lake City, Utah 84114
Attn: Mr. Ron Firth

RE: CREDO FEDERAL "A" #2
Section 6, T16S-R26E
Grand County, Utah

Dear Mr. Firth:

Please find enclosed three (3) copies of Form 9-331 "Sundry Notices and Reports on Wells", for the above referenced well requesting approval to plug and abandon. The well has been determined to be uneconomical, and would be plugged and abandoned as soon as approval is granted.

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

Sincerely,

TXO PRODUCTION CORP.

R. Bruce Wright

R. Bruce Wright
Petroleum Engineer

RBW/dek
encl.

AUG 10 1983

DIVISION OF
OIL & GAS



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 Cntr. Bldg., Denver, Co. 80264

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1788' FNL & 1494' FWL
AT TOP PROD. INTERVAL: same as above
AT TOTAL DEPTH: same as above

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

5. LEASE U-24638	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Credo Federal "A"	
9. WELL NO. #2	
10. FIELD OR WILDCAT NAME San Arroyo	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 6, T16S-R26E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO. 43-019-30854	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 7318' KB	

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

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

TXO proposes to plug and abandon the above referenced well as follows:

- 1.) Fill hole w/ wtr.
- 2.) Set CIBP @ 6400' & dump 3 sxs cmt on top (35' of fill). Test CIBP to 2000#.
- 3.) Free-point 4-1/2" production casing, cut & POOH w/ 4-1/2" casing & set 25 sxs cmt plug 100' in and 100' out of casing stub.
- 4.) Set 40 sxs cmt plug from 3000-2800' (inside of 7" intermediate casing).
- 5.) Free-point 7" intermediate casing, cut & POOH w/ 7" casing & set 60 sxs cmt plug 100' in and 100' out of casing stub.
- 6.) Set 75 sxs cmt plug from 400-200' (across 9-5/8" surface casing shoe).
- 7.) Set 10 sxs cmt plug @ surface.
- 8.) Install dry hole marker & clean location.
- 9.) Rehabilitate location as per APD as soon as feasible.

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

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

SIGNED R. Bruce Wright TITLE Petroleum Engineer DATE August 3, 1983

(This space for Federal or State office use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8/10/83
BY: [Signature]

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other DRY

2. NAME OF OPERATOR
TXO PRODUCTION CORP.

3. ADDRESS OF OPERATOR
1800 Lincoln Center Bldg., Denver, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1788' FNL & 1494' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same as above

5. LEASE
U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Credo Federal "A"

9. WELL NO.
#2

10. FIELD OR WILDCAT NAME
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 6, T16S-R26E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30854

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7318' KB

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

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

(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.)*

The above well was plugged and abandoned as follows:

- 1.) Load hole w/ water.
- 2.) RIH w/ free-point tool, free-pointed 4-1/2" csg & cut 4-1/2" csg @ 5400'. POOH & LD 5400', 4-1/2", 11.6#, N-80, LT&C csg.
- 3.) PU 7" csg spool & found that 7" intermediate csg had parted 50' below the surface. RIH w/ csg spear & found that free-point of 7" csg was 200' below the surface. Determined that it was uneconomical to recover any 7" csg.
- 4.) TIH w/ 2-3/8" tbg & became stuck @ 5390' KB. Contacted Mr. Ed Gynn @ 2:45 PM on 8/26/83 and received approval to plug & abandon as follows: RIH w/ jet-cutter & cut-off 2-3/8" tbg @ 5350' KB. POOH & set plugs as follows: 35 sxs @ 5250-5050', 40 sxs @ 3300-3100', 40 sxs @ 1900-1700', 30 sxs from 100' to surf. Cut-off csghead, installed dry hole marker, cleaned location.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.
Will rehabilitate as per APD as soon as feasible.

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

SIGNED R Bruce Wright TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE Petroleum Engineer DATE August 29, 1983
CONDITIONS OF APPROVAL, IF ANY:

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

*See Instructions on Reverse Side

DATE: _____
BY: _____

B. J. HUGHES SERVICES

CEMENTING SERVICE REPORT

GRAND JUNCTION

245-2808

HUGHES TOOL COMPANY

Date 08-26-83
 Company TXO Production
 Well No. Credo Fed. A-2
 Service Ticket No. 527762
 Formation _____
 County Grand
 State U.T.
 BJ Service Foreman Charlie Allen
 Company Representative Wes Sutton
 REMARKS: Pt. A

WELL DATA
 Hole Size: 6 1/4 Depth: 6650
 Casing Size: 2 3/8" tub. wt. 4.7 Depth 5350
 Dig. Fluid Type _____ Wt. _____
 Stage Collars: _____
 Contractor: Carmach Drilling

CEMENT DATA

NO. BAGS	YIELD Cu. Ft./Sack	CEMENT MIX	CU. FT.	VOLUME BBL.	WT.
<u>11</u>	<u>6.14</u>	<u>6 neat</u>	<u>221</u>	<u>39</u>	<u>15.1</u>

Volume of Displacement 19.7 Bbl.
 Cement Circulated 1 Bbl.
 Circulation During Job? yes

Trucks Used 1415 & 5363

TIME	RATE IPM	VOLUME BBL.	PRESSURE		Job Detail
			TUBING	CASING	
<u>1:55 A</u>					<u>Arrived location, rigged up, safety meeting</u>
<u>2:00 P</u>			<u>5000</u>		<u>tried to free stuck pipe by pumping</u>
<u>2:10 P</u>	<u>2</u>	<u>7.0</u>	<u>400</u>		<u>pump 1st stage cement 5250-3050'</u>
<u>2:11</u>	<u>2 1/2</u>	<u>19.7</u>	<u>200</u>		<u>displacement</u>
<u>2:22</u>					<u>shut down - pull pipe</u>
<u>2:30</u>	<u>3.5</u>	<u>8.1</u>	<u>300</u>		<u>pump 2nd stage cement 3300-3100'</u>
<u>2:34</u>	<u>3.5</u>	<u>12.1</u>	<u>100</u>		<u>displacement</u>
<u>2:37</u>					<u>shut down - pull pipe</u>
<u>2:51</u>	<u>3.5</u>	<u>8.1</u>	<u>100</u>		<u>pump 3rd stage cement 1900-1700'</u>
<u>2:54</u>	<u>3.5</u>	<u>6.6</u>	<u>-0-</u>		<u>displacement</u>
<u>2:56</u>					<u>shut down - pull pipe</u>
<u>3:14</u>	<u>3</u>	<u>14.0</u>			<u>pump 4th stage cement 100' to surface</u> <u>circulated 1 bbl cement</u>
<u>3:19</u>					<u>shut down, rig down, wash up, leave 10 hrs on local</u>
<u>3:15</u>					<u>released</u>

Thank You!



BJ-HUGHES Inc.
ONE OF THE HUGHES TOOL COMPANIES

CONTRACT
TERMS: PAYABLE AT LONG BEACH, CALIFORNIA
SET 2 PROX. STATEMENT ON REQUEST ONLY

P.O. BOX 2260, LONG BEACH, CALIFORNIA 90801

DATE OF JOB 08/26/83 DISTRICT Grand Jct. DIST. NO. 01-36043
CUSTOMER TXO Production
ADDRESS Box 1467
CITY Fruita STATE CO ZIP 81521
AUTHORIZED BY Wes Sutton

DATE (OFFICE USE ONLY) _____ SERVICE CONTRACT NO. 8 27762
NEW WELL OLD WELL CUSTOMER ORDER NO. _____
WELL NO. A-7 LEASE Grvedo Fed.
COUNTY/PARISH Grand STATE UT
FIELD NAME Sqn Arroyo
WELL OWNER TXO

CUSTOMER ACCOUNT NO. _____ OFFICE USE ONLY
CUSTOMER COPY

BULK OR N. TICKET NO. 870769 STATE 4,3 CODE 4,3 TAXABLE YES NO
FLOW LINE _____ COUNTY/PARISH 4,3 YES NO
SALES/ORDER NUMBER A2306 CITY 7,7 YES NO

STAGE NO. 3 TYPE P + A WORKING DEPTH 5350 FT.
1 SURFACE 2 INTERMEDIATES 3 PRODUCTION 4 REMEDIAL
TOTAL PREV. GALL. 0 TREE HOLE 6 1/2 DEPTH 6650 FT.
TOTAL MEAL DEPTH 6650 FT. SIZE & WT. DRILL PIPE OR TUBING 2 7/8 DEPTH 5350 FT.
PUMP TRUCK NUMBER 1415 FLUID PUMPED Cement

PUMPING EQUIPMENT _____ TIME (A OR P) _____ DATE _____
TRUCK CALLED 03:00 P 08/26/83
ARRIVED AT JOB 11:55 A 08/26/83
START OPERATION 07:00 P 08/26/83
FINISH OPERATION 10:19 P 08/26/83
TIME RELEASED 11:15 P 08/26/83
MILES FROM STATION TO WELL 57 SOFTEN. BY EMPLOYEES 2

OTHER EQUIPMENT (UNIT NUMBERS) _____ SACKS 194 BRAND Union TYPE G A GEL _____ ADMIXES _____
AVG. PRESS. 150 MAX. PRESS. 400 DASH. 4
JOB TYPE 222 JOB CLASS 04
TOTAL PIECES OF BJ EQUIPMENT USED 2

CEMENT DATA BULK SACKS
LEAD WEIGHT 15.9 VOLUME 1.111 LB./CU. FT.
SLURRY: LB./GAL _____ VOLUME _____ LB./CU. FT.
TAIL SLURRY: LB./GAL _____ VOLUME _____ LB./CU. FT.
SACK CEMENT TREATED WITH _____ NO. OF _____ TOTAL DISPLACEMENT 197

CONTRACT CONDITIONS: This contract must be signed before the job is commenced or merchandise is delivered. The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ HUGHES Inc.

PRICE BOOK	PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UOM	PRICE EXTENSION
	<u>04</u>					
	<u>10.10.2130</u>	<u>1</u>	<u>Pump change to 5000'</u>	<u>1560.00</u>	<u>ea</u>	<u>1560.00</u>
	<u>10.10.31</u>	<u>4</u>	<u>per 100 ft below</u>	<u>19.50</u>	<u>ea</u>	<u>78.00</u>
	<u>10.10.7005</u>	<u>102</u>	<u>mileage charge</u>	<u>1.07</u>	<u>mi</u>	<u>109.14</u>
			<u>Subtotal</u>			<u>1747.14</u>

SERVICE REPRESENTATIVE Charles Abbe THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: Wes Sutton
 CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

BJ-HUGHES Inc.
 A SUBSIDIARY OF HUGHES TOOL COMPANY
 P.O. BOX 2250, LONG BEACH, CALIFORNIA 90801

TERMS: PAYABLE AT LONG BEACH, CALIFORNIA
 NET 20 10X. STATEMENT ON REQUEST ONLY

JOB NO. *08-21-88* DISTRICT *GRAND TOL* DIST. NO. *01-36043*
 CUSTOMER *TXO Production*
 ADDRESS *Box 1467*
Fruit STATE *CA* ZIP *91521*
 ORDERED BY *Wes Sutton*

DATE _____ NO. *B 10369*
 NEW WELL OLD WELL CUSTOMER ORDER NO. _____
 WELL NO. *A-2* LEASE *CR 10/1/68*
 COUNTY *GRAND* STATE *UT*
 FIELD NAME *SAN HERR*
 WELL OWNER *TXO*

OFFICE USE ONLY
CUSTOMER COPY

SERVICE TICKET NO. *S 2776A* STATE *43* TAXABLE YES NO
 COUNTY *43* YES NO
 SALESMAN NUMBER *A2306* CITY *79* YES NO

TRUCK & TRAILER NUMBER	NO. OF LOADS	TRUCK & TRAILER NUMBER	NO. OF LOADS	ORDER COMMENTS	NO. OF MILES FROM STATION TO WELL
<i>5363</i>	<i>1</i>			<i>1415</i>	<i>51</i>
TOTAL PIECES OF BJ EQUIPMENT USED <i>3</i>					

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)
 The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for gas, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or future terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ-HUGHES Inc.

SIGNED: *Wes Sutton*
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

PRICE BOOK REF. NO.	BRAND & TYPE	QUANTITIES				UNIT PRICE	UNIT ADJUSTMENT	PRICE EXTENSION
		ORDERED	USED	RETURNED	CHANGED			
<i>10440505</i>	<i>Ideal G</i>	<i>194</i>	<i>194</i>	<i>-</i>	<i>194</i>	<i>7.71</i>	<i>0%</i>	<i>1495.74</i>
<i>10830001</i>	MIXING SERVICE				<i>194</i>	<i>.95</i>	<i>0%</i>	<i>184.90</i>
<i>10940101</i>	MILE FARE CHARGE		<i>9.2</i>		<i>51</i>	<i>.75</i>	<i>0%</i>	<i>351.90</i>
<i>Subtotal</i>								<i>2051.94</i>

SERVICE REPRESENTATIVE *Charles Allen* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *Wes Sutton*
 (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

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.

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 Building, Denver, Co. 80264

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 1788' FNL & 1494' FWL
 At top prod. interval reported below
 At total depth same as above

14. PERMIT NO. 43-019-30854 DATE ISSUED 9/28/81

5. LEASE DESIGNATION AND SERIAL NO.
U-24638

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Credo Federal "A"

9. WELL NO.
#2

10. FIELD AND POOL, OR WILDCAT
San Arroyo

11. SEC., T. R., M., OR BLOCK AND SURVEY OR AREA
Section 6, T16S-R26E

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 11/11/81 16. DATE T.D. REACHED 12/3/81 17. DATE COMPL. (Ready to prod.) _____ 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 7318' KB 19. ELEV. CASINGHEAD 7304'

20. TOTAL DEPTH, MD & TVD 6650' 21. PLUG, BACK T.D., MD & TVD surf 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS All CABLE TOOLS none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* _____ 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR, FDC-SNP-GR-Caliper 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#	337'	12-1/4"	325 SXS	none
7"	20#	3208'	8-3/4"	200 SXS	50'
4-1/2"	11.6#	6650'	6-1/4"	175 SXS	5400'

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
6450-57', 0.38" dia, 16 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>6450-57'</u>	<u>500 gal 7-1/2% HCL, 17,630# 20/40 sd.</u>

33. PRODUCTION

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

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

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

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

35. LIST OF ATTACHMENTS
well history, plugging report

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 August 29, 1983

*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TOP TRUN VERT. DEPTH
				Castlegate	2580'
				Mancos	2850'
				Frontier	5900'
				Dakota	6161'
				Morrison	6460'