



CITIES SERVICE OIL AND GAS CORPORATION
BOX 1919
MIDLAND, TEXAS 79702

September 26, 1984

(915) 685-5600

The State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Ms. Arlene Sollis
4241 State Office Building
Salt Lake City, Utah 84114

RECEIVED

SEP 30 1984

DIVISION OF OIL
GAS & MINING

Re: Cities Service Oil and Gas Corporation
Federal D No. 1
San Juan County, Utah
Lease No. U-20895

Dear Ms. Sollis:

Attached are two (2) copies of our "Application for Permit to Drill" the above captioned well. The location is 660' FSL and 660' FEL of Section 23-T38S-R23E, San Juan County, Utah. It is spotted on the topographic maps included as Exhibits "B", "C" and "D" of the "Thirteen Point Surface Use Plan" attached with the Application for Permit to Drill.

The subject drilling location meets the requirements for an orthodox location.

Cities Service Oil and Gas Corporation is the designated operator of Section 23 as shown on Form 9-1123 included with the APD.

If additional information is needed, please contact me at 915/685-5600 in Midland, Texas.

Sincerely,

Elmer W. Startz

Elmer W. Startz
Region Operations Manager
Southwest Region
E & P Division

EWS/dty

Enclosures

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal D

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA
Sec. 23-T38S-R23E

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

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
Cities Service Oil and Gas Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
660' FSL & 660' FEL
At proposed prod. zone
Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
12 miles Southeast from Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
1980'

16. NO. OF ACRES IN LEASE
1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

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

19. PROPOSED DEPTH
6500' *SALT*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5353' Ungraded GL

22. APPROX. DATE WORK WILL START*
After permit approval

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	40'	3 Yds of Redimix
12-1/4"	8-5/8"	24#	550'	400 sacks
7-7/8"	5-1/2"	14 & 15.5#	6500'	450 sacks

It is proposed to drill this well to a T.D. of 6500' and test the Desert Creek Formation. The blowout prevention program is as follows:

1. One set of blind rams
2. One set of drill pipe rams
3. One Hydril

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

DATE: 9/15/84
BY: John R. Brea

The acreage allocated to this well is not dedicated to any gas purchaser.

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 Elmer Stutz TITLE Reg. Opr. Mgr. - Prod. DATE 9-18-84
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

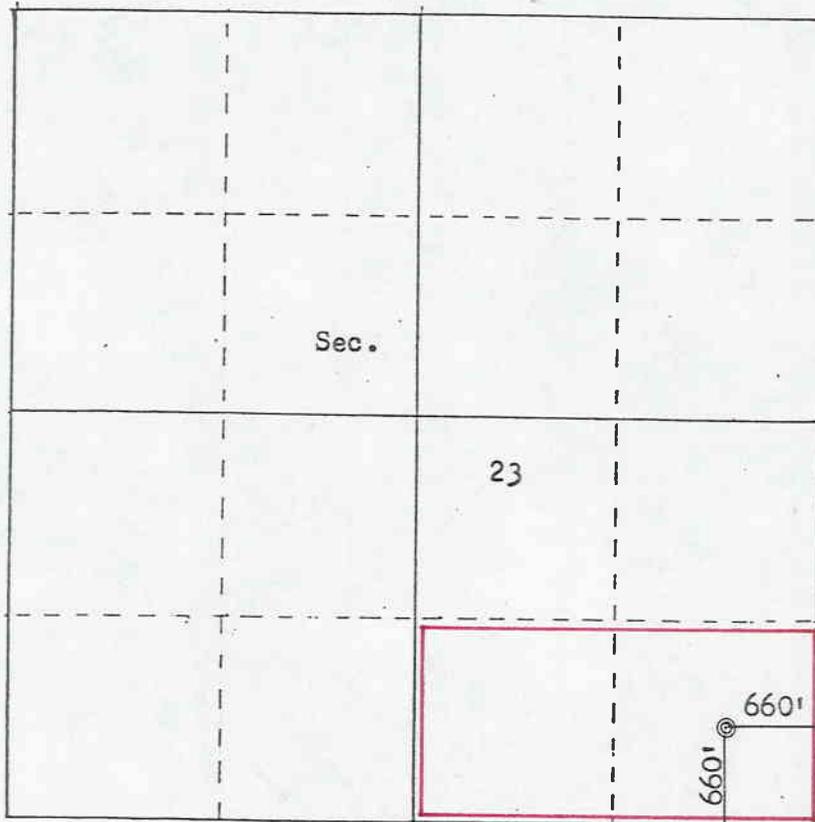
COMPANY CITIES SERVICE OIL & GAS CORPORATION

LEASE FEDERAL "D" WELL NO. 1

SEC. 23, T. 38S, R. 23E
San Juan County, Utah

LOCATION 660'FSL 660'FEL

ELEVATION 5353 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:



SURVEYED September 11 1984



CITIES SERVICE OIL AND GAS CORPORATION
BOX 1919
MIDLAND, TEXAS 79702

September 26, 1984

(915) 685-5600

United States Department of the Interior
Bureau of Land Management
Mr. Bob Graff, District Petroleum Engineer
P.O. Box 970
Moab, Utah 84532

Re: Cities Service Oil and Gas Corporation
Federal D No. 1
San Juan County, Utah
Lease No. U-20895

Dear Sir:

Attached are seven (7) copies of our "Application for Permit to Drill" the above captioned exploratory well.

An "on-site inspection" of the proposed road and location was made September 18, 1984. Those making the inspection were:

Bob Turri - Bureau of Land Management, Monticello, Utah
Glen Benfield - Atchison Construction Company, Farmington, New Mexico
Jamie Karlson - Archaeological Consultants, Durango, Colorado
Bob Meritt - Cities Service Oil and Gas Corporation, Midland, Texas

No evidence of archaeological or historical resources were found at the proposed location or along the access road.

The well is an orthodox location and no right-of-way will be required since all the access road is on the lease.

If additional information is needed, please contact me at 915/685-5600 in Midland, Texas.

Sincerely,

Elmer W. Startz
Region Operations Manager
Southwest Region
E & P Division

EWS/dty

Enclosures



CITIES SERVICE OIL AND GAS CORPORATION
BOX 1919
MIDLAND, TEXAS 79702

September 24, 1984

(915) 685-5600

United States Department of the Interior
Bureau of Land Management
Mr. Bob Graff, District Petroleum Engineer
P.O. Box 970
Moab, Utah 84532

Re: Application for Permit to Drill
Cities Service Oil and Gas Corporation
Federal D No. 1
San Juan County, Utah
Lease No. U-20895

Dear Sir:

Cities Service Oil and Gas Corporation is the Designated Operator of U.S. Oil and Gas Lease U-20895 and proposes to drill a well on the leased premises to test for oil and gas at a location 660' FSL and 660' FEL, Section 23-T38S-R23E, San Juan County, State of Utah.

The location and work area have been staked and the access road has been flagged. The well location is approximately sixteen miles southeast of Blanding, Utah and is located on McCracken Mesa with Alkali Canyon to the east and Horse Canyon to the west.

In accordance with requirements stipulated in Federal Onshore Oil and Gas Order No. 1 under 43 CFR 3162.1, our Application for Permission to Drill and supporting evidence is hereby submitted:

1. Form 3160-3, Application for Permit to Drill.
2. Location, elevation and acreage dedication plat certified by Fred S. Kerr, Registered Land Surveyor No. 3950, dated September 11, 1984. Exhibit is attached.
3. The elevation of the unprepared ground is 5353 feet above sea level.
4. Basically, the geologic surface formation is the Morrison Formation of the Jurassic Period.

5. Rotary drilling equipment will be utilized to drill the well to TD 6490' and run casing. This equipment will then be rigged down and the well will be completed with a pulling unit.
6. Proposed total depth is 6490'.
7. Estimated tops of important geologic markers:

Morrison	Surface
Navajo	1316'
Wingate	2044'
Chinle	2390'
Shinarump	2990'
Cutler	3300'
Hermosa	4800'
Ismay	6100'
Desert Creek	6330'
Salt	6490'
Total Depth	6490'

8. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered:

Primary Objective: Ismay - 6100'
Desert Creek - 6330'

Secondary Objective: Hermosa - 4800'

No surface water is anticipated.

9. The proposed casing program is as follows:

Conductor:	13-3/8" OD 48# H-40 ST&C new casing
Surface:	8-5/8" OD 24# K-55 ST&C new casing
Production:	5-1/2" OD 14# & 15.5# K-55 ST&C new casing
10. Casing Setting depth and cementing program:
 - A. 13-3/8" OD conductor set at 40'. Cement to surface with ready mixed cement.
 - B. 8-5/8" OD surface casing set at 550'. Circulate cement with 400 sacks Class B with 2% CaCl₂ & 1/4# Flocele per sack. If cement does not circulate, determine the top of cement by temperature survey then finish cementing to the surface through 1" tubing in the annulus using Class B with 2% CaCl₂. The San Juan Resource Area will be notified in sufficient time to witness the running and cementing of the casing string.

C. 5-1/2" OD production casing set at 6490'. Cement with 430 sacks Class H 50-50 Pozmix A with 2% Gel, 6-1/4# Gilsonite and 6# salt per sack. Top of cement will be 4000'. The San Juan Resource Area will be notified in sufficient time to witness the running and cementing of the casing string.

11. Pressure Control Equipment

Pressure control equipment will consist of 10", 5000# ram type preventer with one set of blind rams and one set of pipe rams; 12", 3000# annular type preventer; 3000# choke manifold and 80 gallon accumulator with floor and remote operating stations and auxiliary power system.

An Upper and lower kelly cock will be installed and maintained in operable condition and a drill string safety valve and drill string BOP in the open position will be available on the rig floor.

After setting the 8-5/8" surface casing, the blowout preventers and related control equipment will be installed and pressure tested to rated working pressure by an independent testing company. The blowout preventers will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. The San Juan Resource Area will be notified in sufficient time to witness the tests and will be furnished a copy of the pressure test report.

Pipe rams will be operationally checked each 24 hour period to ensure good mechanical working order, as will blind rams and annular preventor each time pipe is out of the hole. Such checks of BOP's will be recorded on the daily drilling reports.

Accumulator shall maintain a pressure capacity reserve at all times to provide for repeated operation of hydraulic preventers.

12. Mud Program:

Mud system will be gel-chemical with adequate stocks of sorption agents on site to handle possible spills of fuel and oil on the surface. Weighting material will be on location to be added to the system if BHP dictates.

0 - 550'

Fresh water spud mud. Gell flocculated with lime. Treat with coarse fibrous LCM.

550 - 5200'

Fresh water using lime for flocculation to keep drilled solids from building up in the drilling fluid and for pH control.

5200 - 6490'

Fresh water gel system. 8.6# - 9.2# per gallon weight and 34-36 viscosity. pH will be controlled with caustic soda; water loss 10-15 cc with starch; Mica and nut plug for lost circulation material.

Mud system monitoring equipment with derrick floor indicators and visual and audio alarms shall be installed and operative before drilling below the 8-5/8" surface casing and shall be used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- A. A recording pit level indicator to determine pit volume gains and losses.
 - B. A pit volume totalizer for accurately determining mud volumes necessary to fill the hole on trips.
 - C. A flo-line sensor to warn of any abnormal mud returns from the well.
13. Testing, Logging and Coring Program:
- A. Testing Program: Three drill stem tests are planned. Two in the Isman and one in the Desert Creek.
 - B. Mud logging program: Two man unit from 4000' to total depth.
 - C. Electric Logging Program: BHC-CNL-FDC, DIL-MSFL, Dipmeter. Other logs may be selected at well site to better evaluate any shows.
 - D. Coring Program: None planned.
 - E. Completion procedures will be to stimulate Dolomite and Limestone formations with HCl acid. Stimulate Sandstone formations with a frac of gelled water and sand.

Two copies of all logs, core descriptions, core analysis, well test data, geologic summaries, sample descriptions and all other surveys or data obtained and compiled during the drilling and/or completion operations will be filed with Form 3160-4.

"Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the BLM not later than 30 days after completion of operations, whether a dry hole or as a producer, in accordance with 43 CFR 3164.

14. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous gasses or fluids have been found, reported or known to exist in the area at the total depth anticipated in this well.

15. Anticipated Starting Dates and Notifications of Operations:

The anticipated starting date will be as soon as possible after examination and approval of drilling requirements by the Bureau of Land Management.

Rotary drilling equipment will be utilized to drill the well to total depth 6490' and run casing. This equipment will then be rigged down and the well completed with a pulling unit.

Cities Service Oil and Gas Corporation will contact the San Juan Resource Area at 801/587-2201 48 hours before beginning any dirt work.

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.

The spud date will be reported orally to the San Juan Area manager a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent in 24 hours after spudding, reporting the spud date and time. The Sundry Notice will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry Notice will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Spills, blowouts, fires, leaks, accidents or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NII-3A.

A replacement rig (pulling unit) is planned for completion operations and a Sundry Notice (Form 3160-5) will be filed for prior approval of the District Manager. In emergencies, verbal approval will be given by the District Petroleum Engineer.

If the well is successfully completed for production, then 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 5 business days following the date on which the well is placed on production.

If the well is a dry hole, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

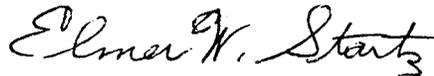
Final abandonment will be complete when the surface reclamation work as required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager.

Approval to vent/flare gas during the initial well evaluation will be obtained from the District Office and will not exceed 30 days or 50 MCF gas. Approval to vent/flare beyond the initial test period will be obtained from the District Office pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded on with a welding torch: Federal well number, location by 1/4 1/4 section, township and range, lease number.

16. Form 9-1123 "Designation of Operator" designates Cities Service Oil and Gas Corporation as operator by the lessee.
17. Multi-Point Requirements to Accompany Application for Permit to Drill:
The thirteen Point Surface Use and Operation Plan for submission to the surface management agency is attached.
18. If the Bureau of Land Management needs additional information to evaluate the request, please advise.

Sincerely,

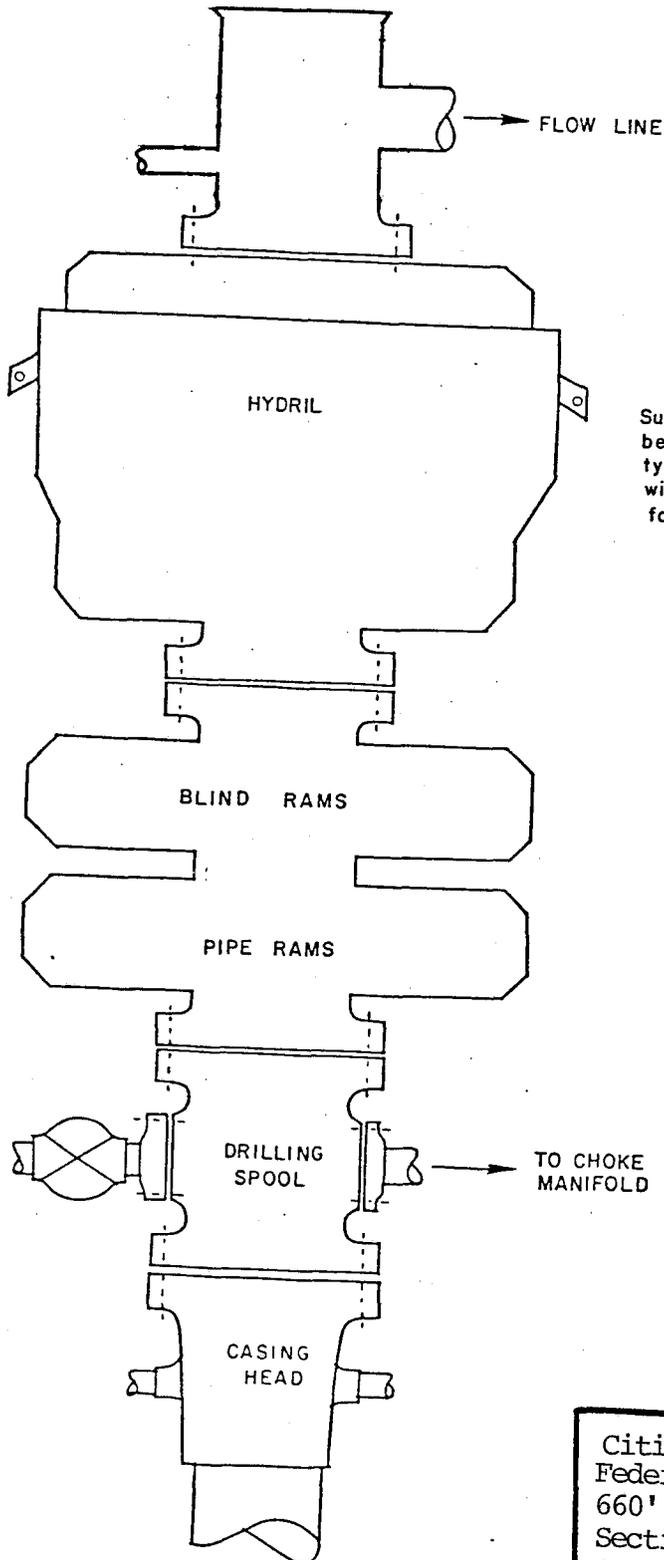


Elmer W. Startz
Region Operations Manager
Southwest Region
E & P Division

EWS/dty

Attachments

BLOWOUT PREVENTER DIAGRAM



CLOSING METHOD

Sufficient accumulator volume shall be available to operate both the bag type preventer and pipe ram preventer with a snap-action through the following steps: close-open-close.

Cities Service Oil & Gas Corporation
Federal D No. 1
660' FSL & 660' FEL
Section 23-T38S-R23E
San Juan County, Utah
Lease No. U-20895

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Moab, Utah
SERIAL NO.: U-20895

and hereby designates

NAME: Cities Service Oil and Gas Corporation
ADDRESS: P. O. Box 1919
Midland, TX 79702

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

Township 38 South, Range 23 East, SLM

Section 23: SE $\frac{1}{4}$

Containing 160.00 acres, more or less.

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

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

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

SKYLINE OIL COMPANY

W. J. D. Edson
.....
(Signature of lessee)

Executive Vice President

.....August 23, 1984.....
(Date)

.....2000 University Club Building.....
(Address)

Salt Lake City, Utah 84111

U. S. GOVERNMENT PRINTING OFFICE: 1957-33595-3

Skyline Oil Company's
Nationwide Bond Number
is 400 GW 3795

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Cities Service Oil & Gas Corporation
Well No. 1 Federal D
660' FSL and 660' FEL Section 23-T38S-R23E
San Juan County, Utah
Lease No. U-20895

This plan is submitted with the Application for Permit to Drill the captioned well. Its purpose is to identify the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal may be made of the impact of the operation upon other resources.

The well has been staked by a registered land surveyor, Mr. Fred Kerr, Farmington, New Mexico and the work area is staked and flagged. Ms. Jamie Karlson with Archaeological Consultants, Durango, Colorado has been engaged to make an archaeological reconnaissance of the work area. Her findings concerning cultural resources will be reported to the Bureau of Land Management.

1. Existing Roads

- A. A portion of a San Juan County highway map is attached showing the location of the well as staked. The existing road system and the well site are shown in relation to the City of Blanding, Utah and State No. 46 and No. 262. Exhibit "A".

To further identify the location, the well is spotted on a copy of a USGS "Montezuma Creek, Utah" quadrangle map, showing the location in relation to the surrounding topography. It is located on the northern point of McCracken Mesa near the confluence of Horse Canyon to the west and Alkali Creek Canyon to the east.

- B. The distance from Blanding, Utah is thirteen (13) miles and six (6) miles east of White Mesa, Utah as the crow flies, but somewhat further by road. Proceed south 14.8 miles on Highway 47 to the intersection of State Highway No. 262. Turn east on State Highway No. 262 and go 7.5 miles to where Highway 262 turns south. Go 100' east on Hatch Trading Post road and turn north on county road and go 3.25 miles. At this point in Section 24, the new access road will originate, going 1500' due west to the location. The new road is color coded red on Exhibits "B" and "C" and the existing road system to be used is color coded yellow on Exhibits "B" and "C".
- C. This is an exploratory well. All existing roads within a 3 mile radius are shown on Exhibits "A", "B" and "C".
- D. The existing road will not need upgrading.

2. Planned Access Roads

- A. The planned access road is staked and flagged. New road required will be 20' wide and approximately 0.25 mile long. The new road is color coded red on the USGS "Montezuma Creek" quadrangle map. Maximum disturbed width will be 25'. See Exhibits "B", "C" and "D".
- B. Maximum grade: 2 percent
- C. Turnouts: None needed
- D. Location: The centerline is shown on the USGS "Montezuma Creek" quadrangle map. Exhibits "B", "C" and "D".
- E. Drainage: New road will have a drop of 6" from center line on each side.
- F. Surface Materials: On site material will be used.
- G. Cattleguards: None needed.
- H. Surface disturbance and vehicular travel will be limited to the approved location and approved access route.
- I. If the well is completed as a producer, the new access road will be water barred or brought to Class III road standards within 60 days of dismantling of the drilling rig.

3. Location of Existing Wells

Exhibit "E" shows existing wells within a 2 mile radius of the exploratory well.

- A. There are no water wells within a two mile radius of this location.
- B. There are no producing weels in this two mile radius.
- C. There are three abandoned wells in this two mile radius.
- D. There are no disposal wells.
- E. There are no wells presently being drilled.
- F. There are no shut-in wells.
- G. There are no injection wells.
- H. There are no monitoring or observation wells for other uses.

4. Location of Existing and/or Proposed Facilities

- A. There are no existing tank batteries and/or production facilities.
- B. If the well is productive, new facilities will be as follows:
 - 1. Production facilities will be located on drill pad, as shown on Exhibit "H". They will be painted a flat, nonreflective, earth-tone color to match the standard environmental colors.
 - 2. All well flow lines will be buried and will be on the drill pad site. All loading lines will be placed inside the berm surrounding the tank battery. There will be no off-lease storage, measurement or commingling without approval of the District Manager.
 - 3. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. A site security plan will be submitted. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
 - 4. Oil and gas measurement facilities will be installed on the well location. Meters will be calibrated in place before deliveries. Meter calibration will be conducted monthly for the first 3 months and quarterly thereafter. The San Juan Area Manager will be provided date and time of all meter calibration and proving schedules. All meter measurement facilities will conform with the API standards.
 - 5. Production facilities will be 250' long and 200' wide. Unused areas of the drill pad not required for production facilities will be rehabilitated. It will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
 - 6. All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.
 - 7. Any necessary pits will be fenced and flagged to protect livestock and wildlife.
- C. Rehabilitation, whether well is dry or productive, will be made on all unused areas in accordance with BLM specifications.

5. Location and Type of Water Supply

- A. The source of fresh water for drilling purposes will be obtained from a private source located in Brown Canyon in the NW 1/4 of SE 1/4 Section 22-T37S-R33E, approximately five miles south of Blanding, Utah. No brine water will be needed.
- B. Water will be transported by truck over existing roads.
- C. No water well is to be drilled on this lease.

6. Construction Materials

- A. No construction materials are needed for the drilling site pad. The surface soil materials will be sufficient.
- B. If any additional surfacing material is needed if well is productive, it will be crushed sandstone acquired from a private source located in NW 1/4 of NW 1/4 Section 25-T37S-R22E.

7. Handling of Waste Materials and Disposal

- A. The reserve pit will be lined with commercial lining to prevent seepage. At least half of the capacity will be in cut. It will be located on the NW corner of the location. Exhibit "F".
- B. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as drilling is completed.
- C. Any fluids produced during drilling test or while making production test will be collected in a test tank. While drilling, if a test tank is not practicable, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed. If well is productive, produced water will be disposed of on-site for 30 days only, or 90 days with the permission of the District Engineer. In the meantime, application will have been made for approval of a permanent disposal method in compliance with NTL-2b.
- D. A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with fine wire mesh before the rig moves in so that the location can be kept litter free.
- E. If a burn pit is needed, a permit will be acquired from the State Fire Warden.
- F. Chemical Toilet facilities will be provided for human waste.
- G. Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash pit. Drill fluids, water, drilling mud and tailings will be collected in reserve pit, as shown on Exhibit "F". The trash pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being removed.
- H. After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. All dangerous open pits will be fenced during drilling and kept closed until such time as the pit is levelled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- A. Exhibit "F" is the Drill Pad Layout as staked with elevations by Kerr Land Surveying, Farmington, New Mexico. Cuts and fills have been drafted to visualize the planned cut and fill cross section across the location site to the deepest part of the pad. The top 12" of soil will be stockpiled on the south side of the location. Top soil along the access road will be reserved in place. Access to the drill pad will be from the east.
- B. Exhibit "G" is a plan diagram of the drilling rig equipment, reserve pit, trash pit, pipe racks & mud tanks. No permanent living facilities will be erected. There will be temporary house trailers on location.
- C. Exhibit "H" is a plan diagram of the proposed production facilities layout.

10. Plans for Restoration

- A. If well is abandoned, site will be restored to original condition as nearly as possible. Backfilling, levelling and contouring to blend with natural topography are planned as soon as all pits have dried. Waste disposal and spoils material will be buried or hauled away immediately to an approved sanitary land fill after drilling is complete. If production is obtained, the unused area will be restored as soon as possible. The San Juan Resource Area office in Monticello, Utah will be notified 48 hours before starting reclamation work.
- B. The soil banked material will be spread evenly over the area. All fill and cut slopes will be seeded to prevent erosion. Seeding will be broadcast between October 1 and February 28, as per BLM specifications.
- C. Water bars will be built along the access road at 200' intervals to control erosion as per BLM specifications.
- D. Stabilization of cut and fill slopes will be accomplished as quickly as possible. All exposed slopes and disturbed areas will be broadcast seeded by formula provided by BLM after the disturbed areas are ripped 12" deep with the contour.
- E. The access road will be blocked to prevent vehicular access.
- F. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from entering; and, the fencing will be maintained until levelling and cleanup is accomplished.

- G. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead and covered with wire mesh.
- H. The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately, or the area will be flagged and fenced. Other cleanup will be done as needed.

11. Other Information

- A. Flora and Fauna: The vegetative cover is Cheap grass, Galleta grass, Prickley Pear cactus and Barrel cactus.
- B. Soil: Residual sandy clay loam.
- C. Ponds and Streams: The closest stream is intermittent flow in Horse Canyon two miles due west. The San Juan River is 13.5 miles due south.
- D. Topography: Mesa's and canyons with drainage to the south. The location is on the gently rolling McCracken Mesa with Horse Canyon to the west and Alkali Creek Canyon to the east.
- E. Archaeological, Historical and Cultural Sites: None observed in the area. Ms. Jamie Karlson has been engaged to make an archaeological reconnaissance of the work area and access road. Her findings concerning cultural resources will be reported to the BLM.
- F. Surface Ownership: The wellsite and access road are all on Federal owned surface. The surface is leased to Mr. Edwin Taylor, who will be notified of our intention to drill prior to any activity.
- G. The primary surface use is for grazing. The location is on surface owned by the U.S. Government.
- H. The closest live water is intermittent flowing Horse Canyon, two miles due west while the San Juan River is 13.5 miles due south.
- I. The closest occupied dwellings are in White Mesa, Utah, which is six miles due west.
- J. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.2.

11. Other Information - Continued

- J. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

12. Addendum

To be submitted as an integral part of the "Multi-Point Surface Use and Operations Plan" is an archaeological survey by Jamie Karlson, Archaeologist.

13. Lessee's or Operator's Representative

The field representatives for assuring compliance with the approved surface use and operations plan are:

Elmer W. Startz
Region Operations Manager
P.O. Box 1919
Midland, Texas 79702

Office Phone: 915/685-5600

Home Phone: 915/682-0817

Pat D. Ranson
Drilling Specialist
P.O. Box 1919
Midland, Texas 79702

Office Phone: 915/685-5600

Home Phone: 915/694-5406

14. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Cities Service Oil and Gas Corporation and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

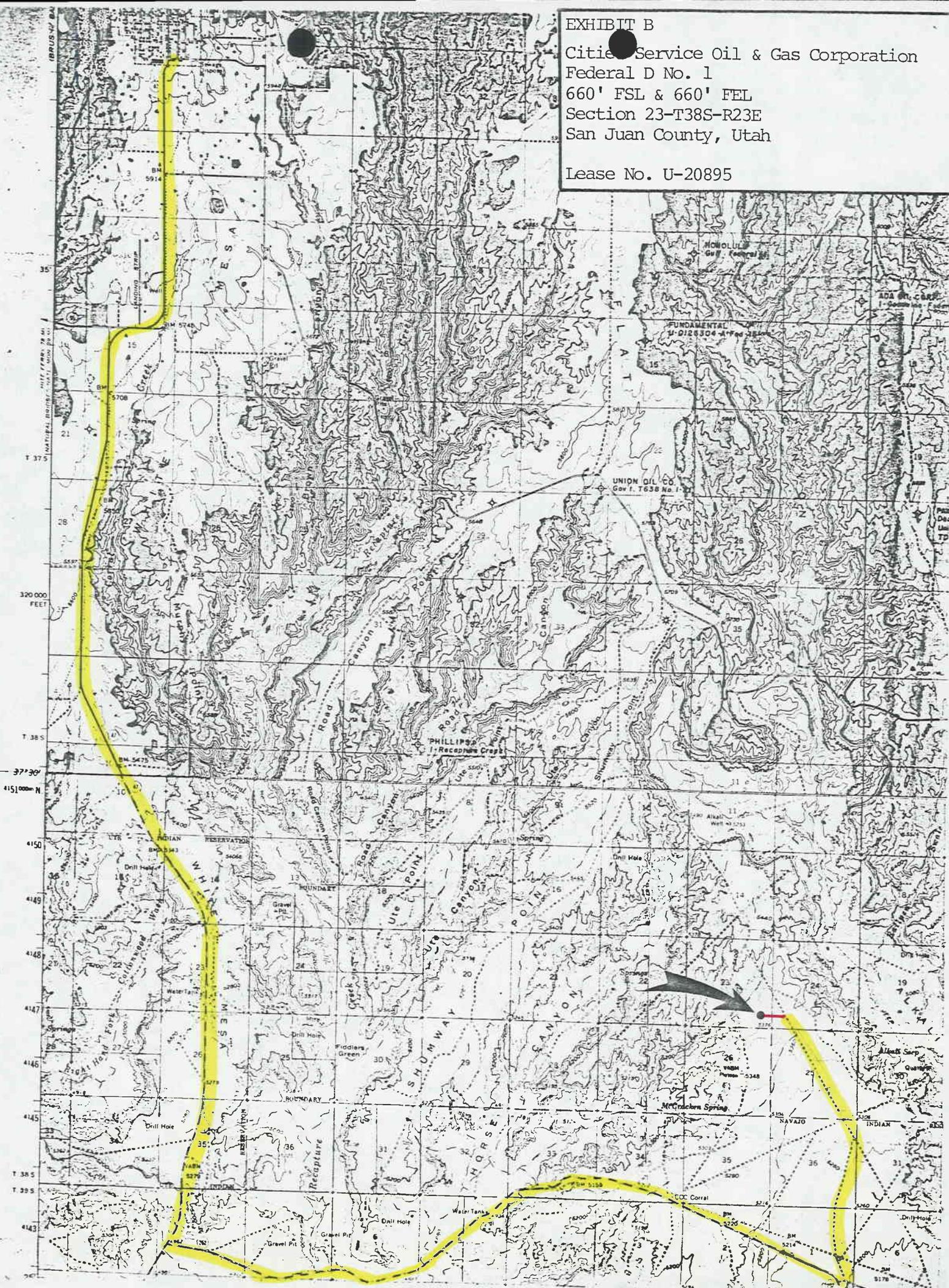
9-25-84
Date

Elmer W. Startz
Elmer W. Startz, Region Operations Manager

EXHIBIT B

Cities Service Oil & Gas Corporation
Federal D No. 1
660' FSL & 660' FEL
Section 23-T38S-R23E
San Juan County, Utah

Lease No. U-20895



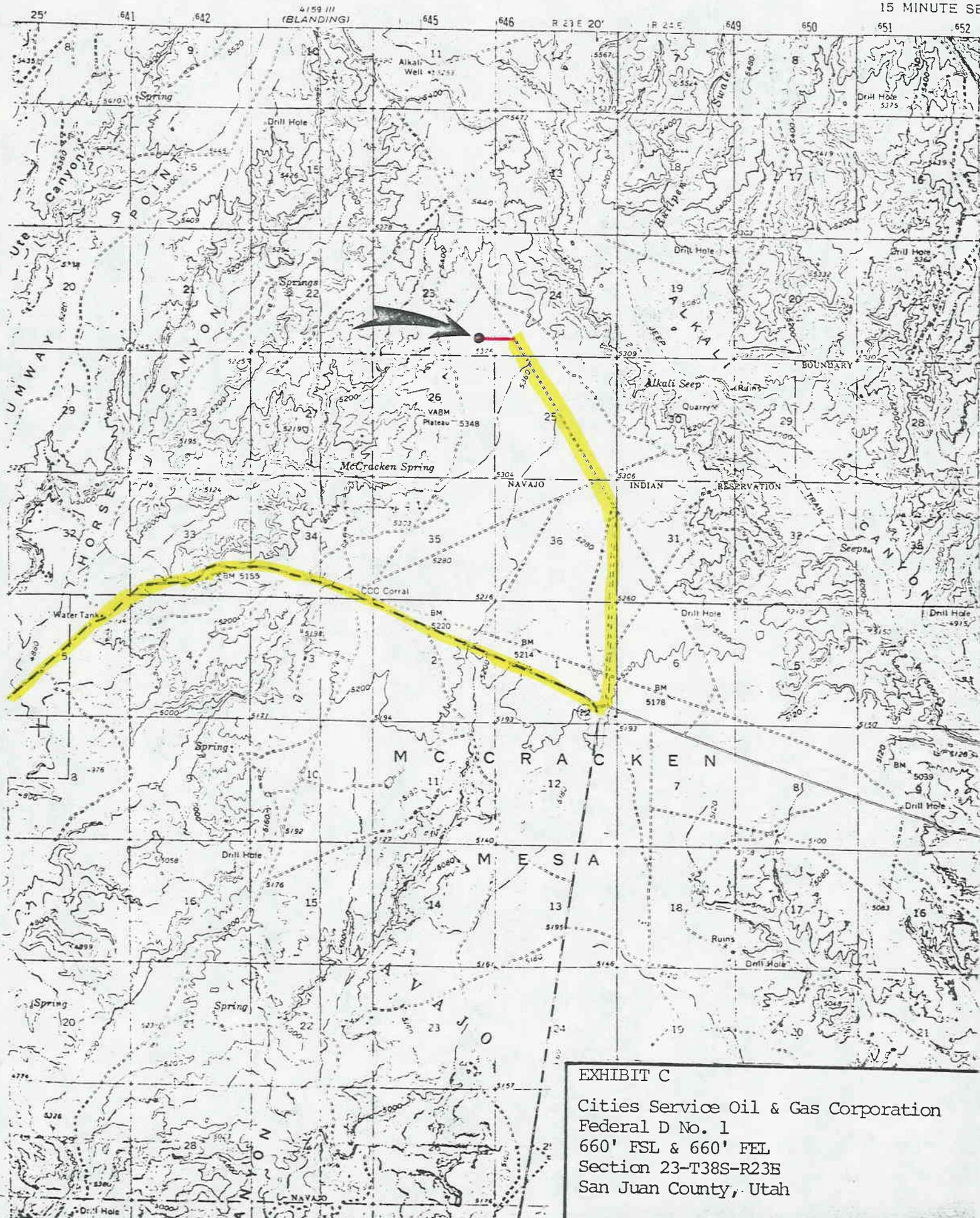


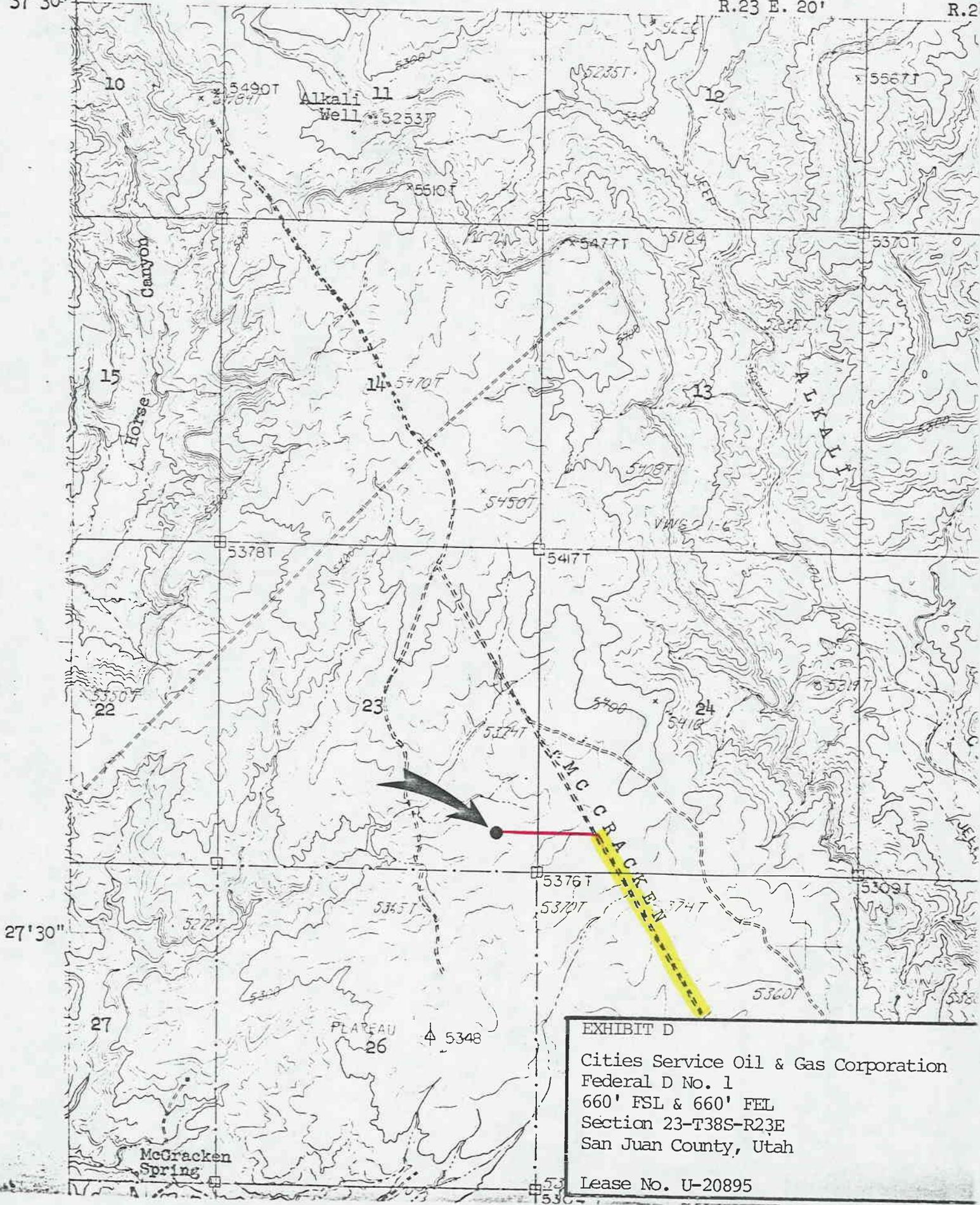
EXHIBIT C
Cities Service Oil & Gas Corporation
Federal D No. 1
660' FSL & 660' FEL
Section 23-T38S-R23E
San Juan County, Utah
Lease No. U-20895

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

109°22'30"
37°30'

R.23 E. 20'

R.2



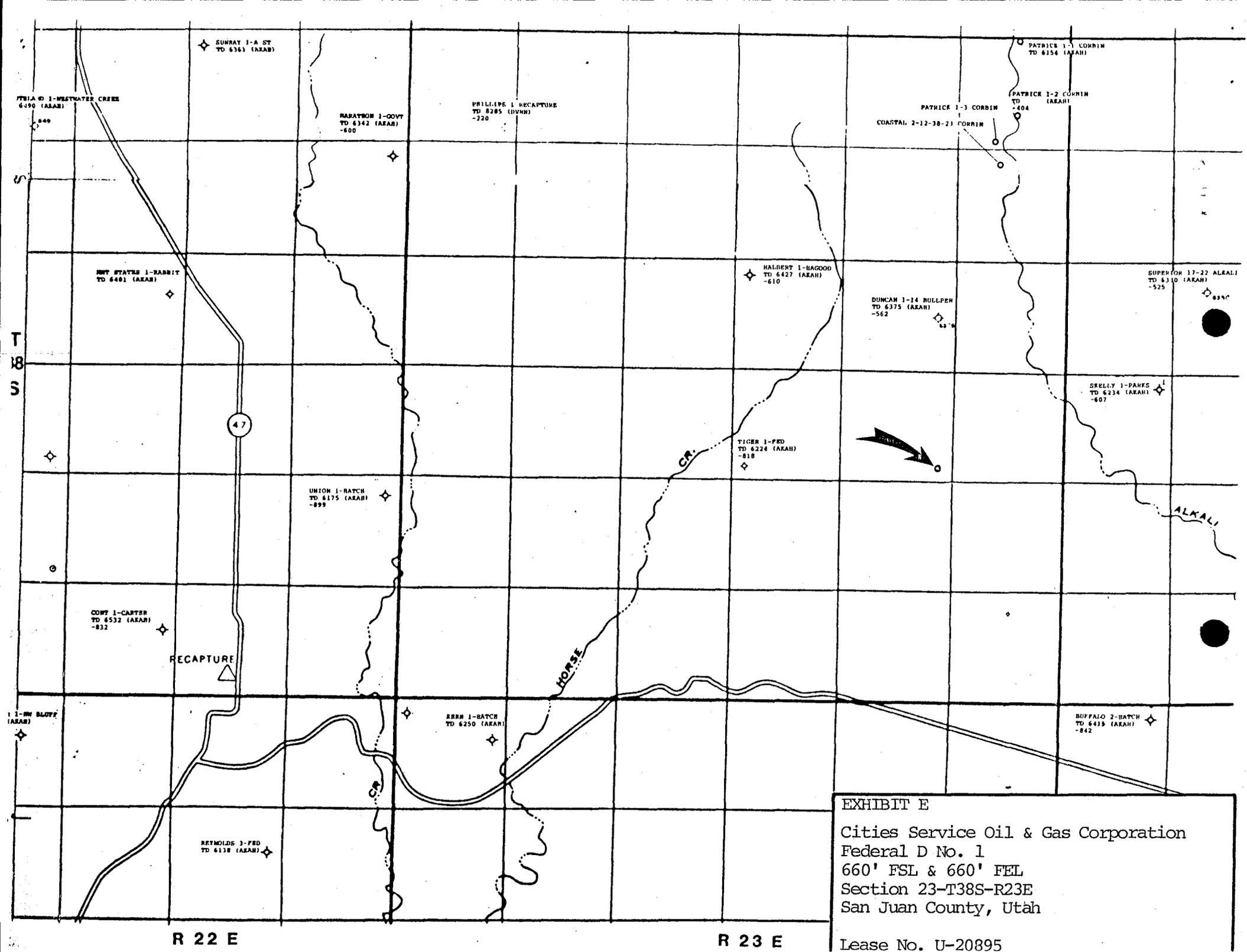
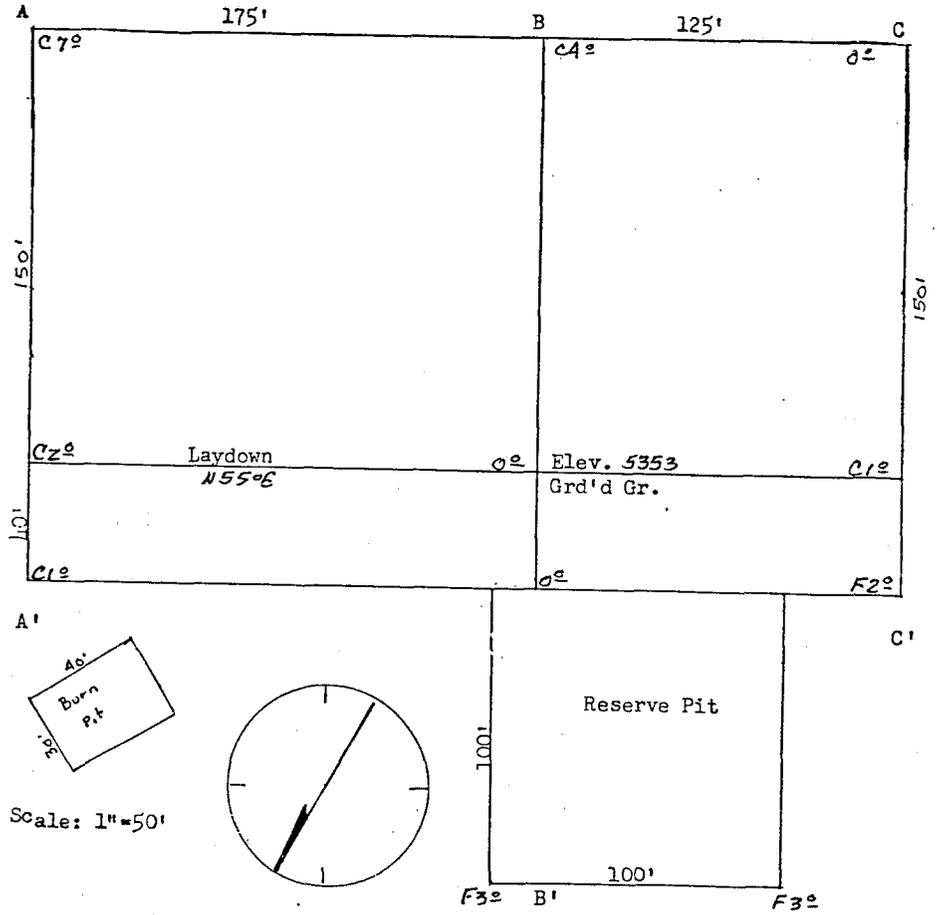


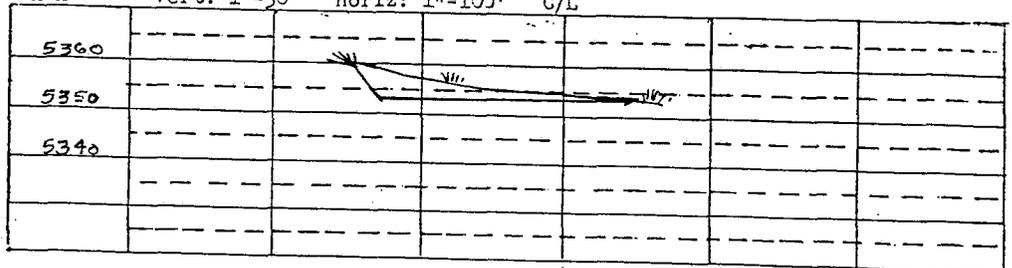
EXHIBIT E
 Cities Service Oil & Gas Corporation
 Federal D No. 1
 660' FSL & 660' FEL
 Section 23-T38S-R23E
 San Juan County, Utah
 Lease No. U-20895

EXHIBIT "F"

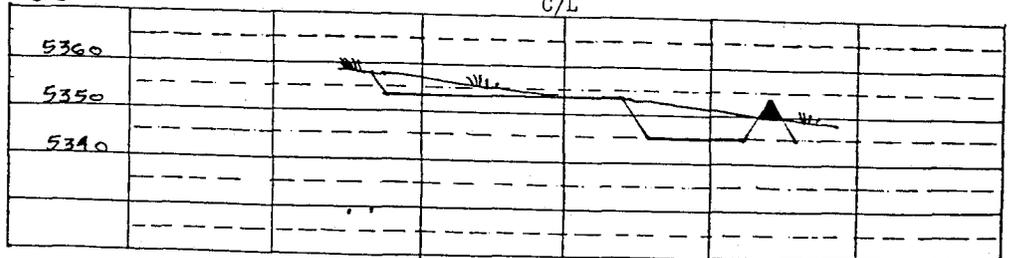
Profile for
 CITIES SERVICE OIL & GAS CORP. #1 FEDERAL "D"
 660'FSL 660'FEL Sec. 23-T38S-R23E
 SAN JUAN COUNTY, UTAH



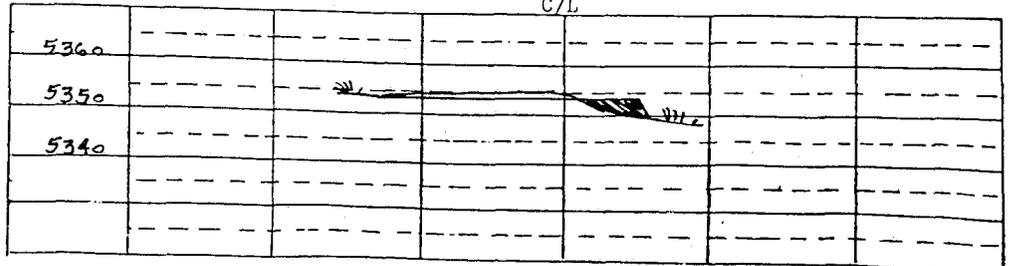
A-A' Vert: 1"=30' Horiz: 1"=100' C/L



B-B' C/L



C-C' C/L



LOCATION PLAT

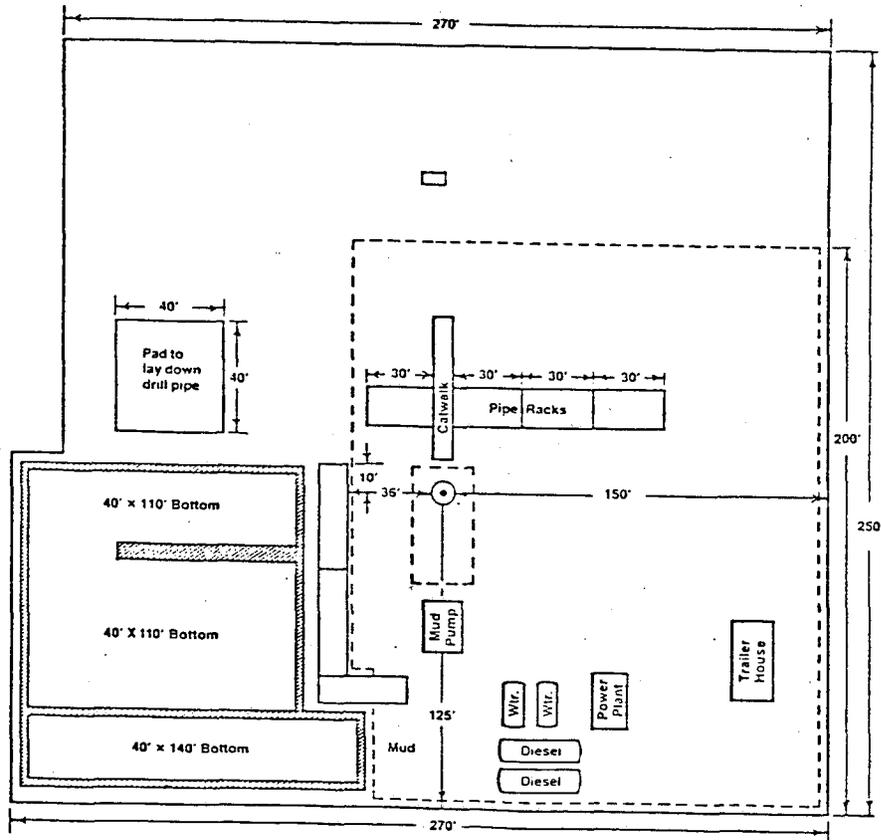
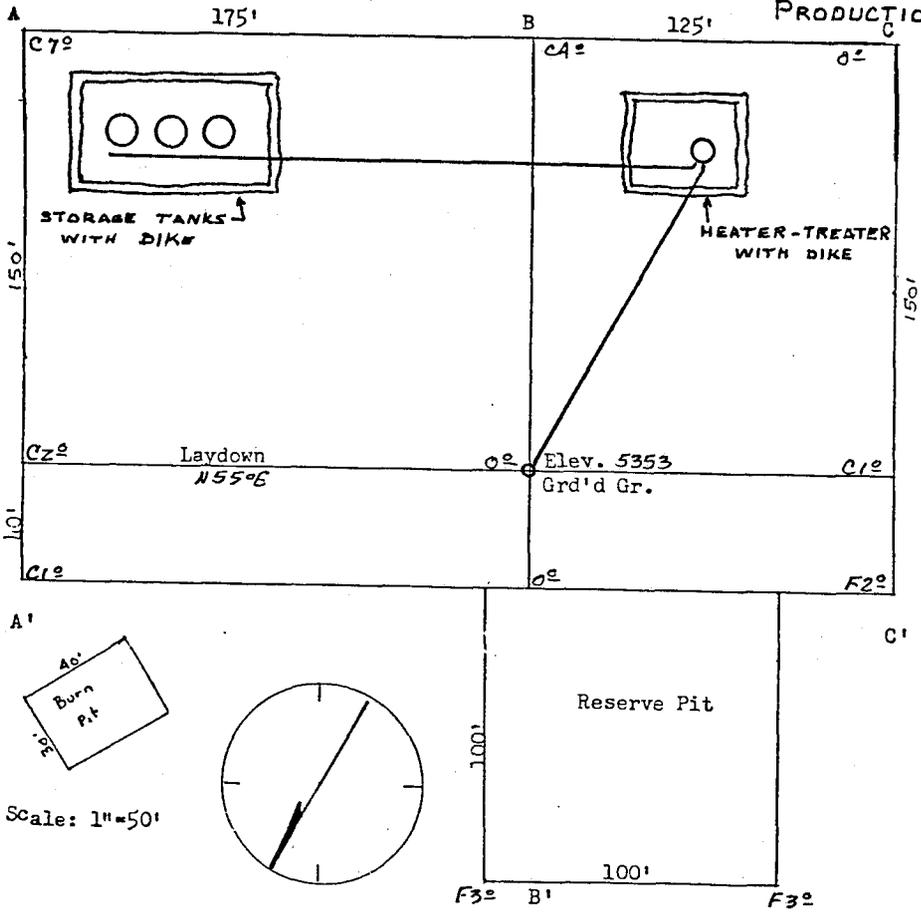
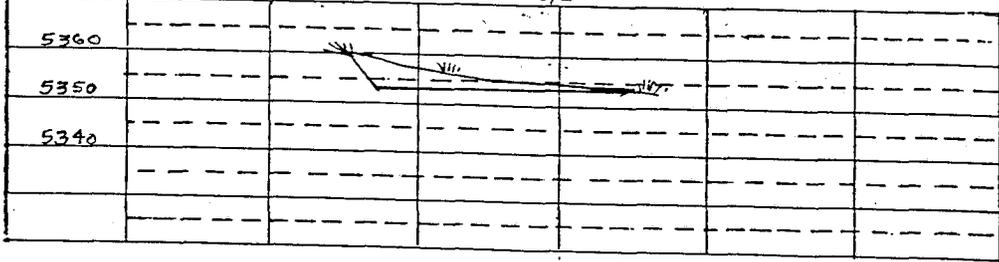


EXHIBIT G

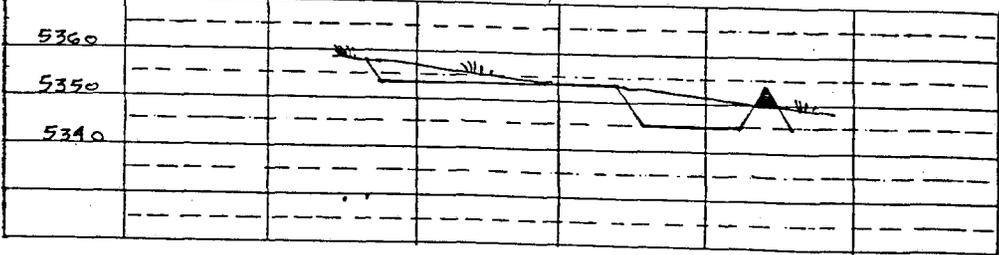
Cities Service Oil & Gas Corporation
Federal D No. 1
660' FSL & 660' FEL
Section 23-T38S-R23E
San Juan County, Utah
Lease No. U-20895



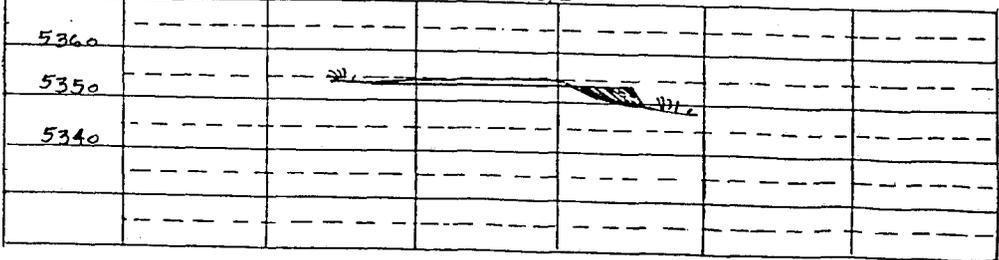
A-A' Vert: 1"=30' Horiz: 1"=100' C/L



B-B' C/L



C-C' C/L



OPERATOR Cities Service DATE 10-9-84

WELL NAME Feb. D #1

SECSESE 23 T 385 R 23E COUNTY San Juan

43-039-31087
API NUMBER

Feb
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input type="checkbox"/>
<input type="checkbox"/>	NID	<input type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

No other wells within 1000'

Need water permit

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

SPECIAL LANGUAGE:

1- Water

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT _____

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

October 15, 1984

Cities Service Oil and Gas Corporation
P. O. Box 1919
Midland, Texas 79702

Gentlemen:

Re: Well No. Federal D #1 - SE SE Sec. 23, T. 38S, R. 23E
660' FSL, 660' FEL - San Juan County, Utah

Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3 (b), General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 533-5771, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Cities Service Oil and Gas Corporation
Well No. Federal D #1
October 15, 1984

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31087.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

RECEIVED

REC'D MDO SEP 28 1984

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

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

2. NAME OF OPERATOR
 Cities Service Oil and Gas Corporation

3. ADDRESS OF OPERATOR
 P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 660' FSL & 660' FEL
 At proposed prod. zone
 Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 12 miles Southeast from Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 1980'

16. NO. OF ACRES IN LEASE
 1280

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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

19. PROPOSED DEPTH
 6500'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5353' Ungraded GL

22. APPROX. DATE WORK WILL START*
 After permit approval

5. LEASE DESIGNATION AND SERIAL NO.
 U-20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal D

9. WELL NO.
 1

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Sec. 23-T38S-R23E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	40'	3 Yds of Redimix
12-1/4"	8-5/8"	24#	550'	400 sacks
7-7/8"	5-1/2"	14 & 15.5#	6500'	450 sacks

It is proposed to drill this well to a T.D. of 6500' and test the Desert Creek Formation. The blowout prevention program is as follows:

1. One set of blind rams
2. One set of drill pipe rams
3. One Hydril

The acreage allocated to this well is not dedicated to any gas purchaser.

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 Elmer Stutz TITLE Reg. Opr. Mgr. - Prod. DATE 9-18-84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY /s/ GENE NODINE TITLE DISTRICT MANAGER DATE 12 OCT 1984

CONDITIONS OF APPROVAL, IF ANY:
 FLARING OR VENTING OF
 GAS IS SUBJECT OF NTL 4-A
 DATED 1/1/80

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

STATE OF UTAH-DOG-M

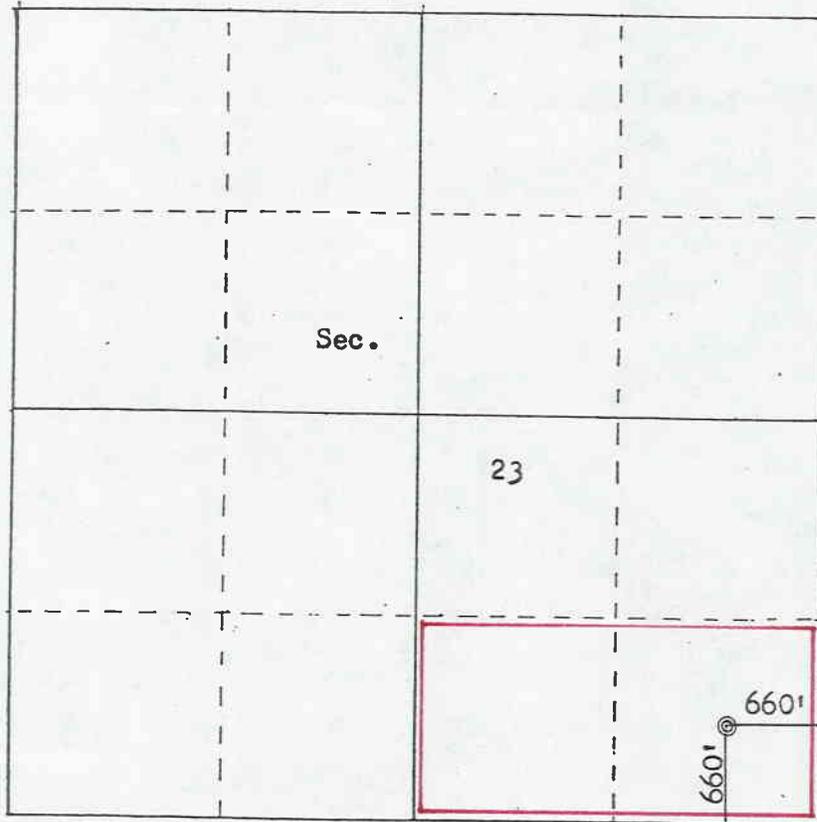
COMPANY CITIES SERVICE OIL & GAS CORPORATION

LEASE FEDERAL "D" WELL NO. 1

SEC. 23, T 38S, R 23E
San Juan County, Utah

LOCATION 660'FSL 660'FEL

ELEVATION 5353 ungraded ground



SCALE—4 INCHES EQUALS 1 MILE

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

SEAL:



SURVEYED September 11 1984

Cities Service Oil and Gas Corporation
Well No. Federal D-1
SESE Sec. 23, T. 38 S., R. 23 E.
San Juan County, Utah
Lease U-20895

APD STIPULATIONS

1. An encroachment permit will be obtained from the San Juan County Road Dept., (801) 587-2231, ext. 43.

2. Reclamation:

Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

1 lb/acre Indian Ricegrass
1 lb/acre Galleta
 $\frac{1}{2}$ lb/acre Alkali Sacaton
 $\frac{1}{2}$ lb/acre Sand dropseed
1 lb/acre Fourwing Saltbush

3. Your contact with the District Office is: Robert (Bob) Graff
Address: 82 East Dogwood, P.O. Box 970, Moab, Utah 84532
Office Phone: 801-259-6111 ext. 216
Home Phone: 801-259-6088

Resource Area Manager's Address and contacts are: San Juan Resource Area
Contact: Richard McClure
Address: 480 South First West, P.O. Box 7, Monticello, Utah 84535
Office Phone: 801-587-2201
Home Phone: 801-587-2874

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

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

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

5. LEASE DESIGNATION AND SERIAL NO.

U-20895

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 23-T38S-R23E

1.

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Cities Service Oil and Gas Corporation

3. ADDRESS OF OPERATOR

P.O. Box 1919 - Midland, Texas 79702

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

660' FSL & 660' FEL

14. PERMIT NO.

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

5353' GR

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

T.D. 575' Shale. Prep to drill ahead. MIRU a rotary and spudded a 12-1/2" hole @ 1500 MDT on 10-21-84 and drilled to a T.D. of 575' in Shale. Ran and set 14 Jts (561.20') 8-5/8" OD 24# casing @ 575' and cemented w/400 sacks of Class B w/2% CaCl /sack cement. PD @ 1350 MDT on 10-22-84. Circulated 150 sacks of cement to the surface. WOC 18 hrs. Tested 8-5/8" OD casing to 1000# for 30 min. - OK.

RECEIVED

OCT 29 1984

**DIVISION OF OIL
GAS & MINING**

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

SIGNED

Elmer Startz

TITLE

Reg. Opr. Mgr. - Prod.

DATE

10-24-84

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Cities Service Oil and Gas Corporation		8. FARM OR LEASE NAME Federal D	
3. ADDRESS OF OPERATOR P.O. Box 1919 - Midland, Texas 79702		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660'FSL & 660'FEL		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23-T38S-R23E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5353' GR		12. COUNTY OR PARISH San Juan	13. STATE Utah

RECEIVED

NOV 05 1984

**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) <u>Changes in reported plans</u> <input checked="" type="checkbox"/>	

*NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.

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

Please be advised to the changing of our reported plans as reported in our APD dated September 24, 1984.

BOP's

Used a 10" 3000# instead of a 10" 5000# ram type preventer. This preventer has one set of pipe rams and one set of blind rams. This BOP has a 10" 3000# ram preventer w/blind and pipe rams, 10" 3000# annular preventer and a 3000# choke manifold. When the APD was submitted, it was anticipated that the drilling rig would be equipped with 5000# WP preventers. Instead the rig was equipped 3000# WP preventers. 3000# WP preventers are sufficient for depth of surface casing and proposed depth of well. No geopressured zones are anticipated in this well.

Tested the BOP's to 1000# instead of rated working pressure of ram type preventer and 1/2 of working pressure for annular preventer. This was done with rig pump and not an independent contractor because of depth of surface casing and normal formation pressure expected to be encountered while drilling. Casing and BOP's were tested to 1000# surface pressure which is greater than the allowed shut-in surface because the formation fracture pressure at the casing shoe would be exceeded before 1000# surface would be reached should a kick occur and the well had to be shut-in.

(CONTINUED ON ATTACHED SHEET)

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

SIGNED Elmer Stutz TITLE Reg. Opr. Mgr. - Prod. DATE 11-1-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

DATE: 11/18/84
BY: John R. Boye

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

Attachement

Cities Service Oil and Gas Corporation's #1 Federal D
660'FSL & 660'FEL of Sec. 23-T38S-R23E, San Juan County, Utah

MUD SYSTEM MONITORING EQUIPMENT

A recording pit level indicator, pit volume totalizer and flo-line sensor were not installed as stated in the APD. The reason they were not installed is because no geopressured zones are expected in this well and sophisticated mud monitoring equipment will not be needed for this well depth. Visual monitoring will be sufficient.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-117
Expires August 31, 1985

16

5. LEASE DESIGNATION AND SERIAL NO.
U-20895 API# 43-037-31087

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal D

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA
Sec. 23-T38S-R23E

12. COUNTY OR
PARISH
San Juan
13. STATE
Utah

19. ELEV. CASINGHEAD

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
Cities Service Oil and Gas Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1919 - Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface
660'FSL & 660'FEL
At top prod. interval reported below
SESE
At total depth
660'FSL & 660'FEL

14. PERMIT NO. 43-037-31087 DATE ISSUED 10-15-84

15. DATE SPUDDED 10-21-84 16. DATE T.D. REACHED 11-4-84 17. DATE COMPL. (Ready to prod.) Plugged and Abandoned 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5353' Ungraded GL 19. ELEV. CASINGHEAD ---

20. TOTAL DEPTH, MD & TVD 6423' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 10 - T.D. 6423' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN GNL-LDT, DLI-MSEL, BHC-Sonic 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	575'	12-1/4"	400 sacks	Circulated

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
	Plugged and Abandoned on 11-5-84	P+H					
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
Above listed logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Edman Stutz TITLE Reg. Opr. Mgr. - Prod. DATE 11-12-84

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
NO CORES OR DST'S WERE TAKEN ON THIS WELL.....				Navajo Wingate Chinle Shinarunt Cutler Hermosa Ismay Desert Creek Salt T.D. 6423'	1253' 2031' 2296' 2937' 3242' 4805' 6051' 6287' 6411'	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. LEASE DESIGNATION AND SERIAL NO.
U-20895 API# 43-037-31087

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Dry Hole	<div style="border: 2px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">RECEIVED</div> <div style="border: 1px solid black; padding: 5px; font-weight: bold; font-size: 1.2em; margin-top: 10px;">NOV 16 1984</div> <div style="border: 1px solid black; padding: 5px; font-weight: bold; font-size: 1.2em; margin-top: 10px;">ACCOUNTING</div>	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Cities Service Oil and Gas Corporation		8. FARM OR LEASE NAME Federal D
3. ADDRESS OF OPERATOR P.O. Box 1919 - Midland, Texas 79702		9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FSL & 660' FEL		10. FIELD AND POOL, OR WILDCAT Wildcat
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5353' Ungraded GL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23-T38S-R23E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

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

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

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

T.D. 6423' Salt. This well was drilled to a T.D. of 6423' in Salt and was plugged and abandoned in the following manner:

1. TIH w/OE'd DP and displaced a 130 sack cement plug @ 6287 - 5951', across the Desert Creek and Ismay Formation.
2. Displaced a 70 sacks cement plug @ 3292 - 3192', across the top of the Cutler Formation.
3. Displaced a 45 sacks cement plug @ 625 - 525', 1/2 in and 1/2 out of the 8-5/8" casing shoe @ 575'
4. ND BOP's, cut off well head and spotted a 15 sack cement surface plug @ 50 - -0-'. Welded a plat on the 8-5/8" casing, cleaned the pits and installed a dry hole to designate a plugged and abandoned location.

Mr. Bob Graff w/BLM in Moab, Utah approved this plugging procedure on 11-5-84.

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

SIGNED Elmer Startz TITLE Reg. Opr. Mgr. - Prod. DATE 11-12-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse

ACCEPTED
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 11/20/84
BY: [Signature]