



POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

December 27, 1983

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

RE: Filing Application for Permit to Drill
MCOR Oil & Gas Corp.
#2-22 Cottonwood Federal
NE NW Sec. 22 T38S R26E
450' FNL & 2600' FEL
San Juan County, Utah

Gentlemen:

Enclosed are three copies each of the Federal A.P.D. Form 9-331C, the Location and Elevation Plat, the Drilling Program, and the Blowout Preventer Diagram for the above-referenced well location.

Please return the approved copies to:

Mr. Floyd Meade
MCOR Oil & Gas Corp.
3033 Northwest 63rd, Suite 250E
Oklahoma City, Oklahoma 73116

Very Truly yours,

POWERS ELEVATION

Connie L. Frailey
Vice-President, Environmental Services

CLF/sfh
Enclosures

cc: Mr. Floyd Meade

RECEIVED
DEC 29 1983

**DIVISION OF
OIL, GAS & MINING**

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
 MCOR Oil & Gas Corp. c/o FLOYD MEADE

3. ADDRESS OF OPERATOR
 3033 Northwest 63rd, Suite 250E, Oklahoma City, Oklahoma 73116

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 450' FNL & 2600' FWL (NE NW) ✓
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 15.8 miles northeast of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 40'

16. NO. OF ACRES IN LEASE
 160

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 5600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5197' GR

22. APPROX. DATE WORK WILL START*
 February 5, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-17065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A VIRGIN MESA ✓

8. FARM OR LEASE NAME
 Cottonwood Federal

9. WELL NO.
 2-22

10. FIELD AND POOL, OR WILDCAT
 Wildcat/Virgin Mesa Fed.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 22 T38S R26E Unit

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
20"	16" New	Conductor	60'	Redimix
12 1/4"	8-5/8" New	24# K-55 ST&C	1200'	450 sx Lite + additives
7-7/8"	4 1/2" New	10.5# K-55 ST&C	5600'	400 sx pozmix + additives

1. Set 60' of 16" conductor pipe in 20" hole and cement in place.
2. Drill 12 1/4" hole and set 8-5/8" surface casing to 1200' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 7-7/8" hole to 5600'.
4. Run tests if warranted and run 4 1/2" casing if productive.
5. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" Drilling Program to Accompany A.P.D.
- "C" The Blowout Preventer Diagram
- "D" Surface Use Program to Accompany A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" Drill Rig Layout

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. [Signature] Regional Manager
 SIGNED _____ TITLE Drilling & Production DATE 12-22-83

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

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



POWERS ELEVATION

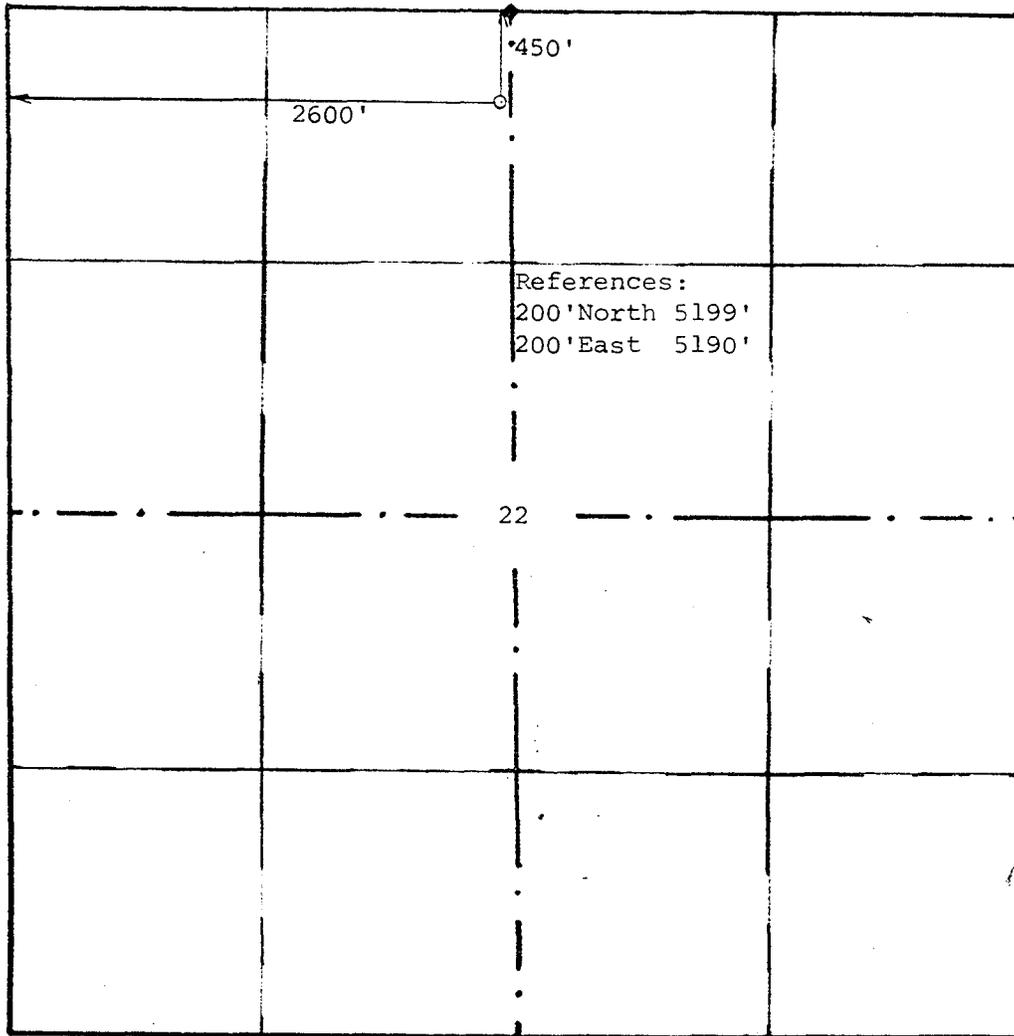
Well Location Plat

EXHIBIT "A"

40 chains

29.2 chains

Location and
Elevation Plat



1"=1000'

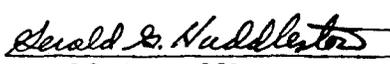
Operator MCOR Oil and Gas		Well name 2-22 Cottonwood Federal	
Section 22	Township 38 South	Range 26 East	Meridian SLM
Footages 450'FNL & 2600'FWL		County/State San Juan, Utah	
Elevation 5197'	Requested by Floyd Meade		
The above plat is true and correct to the best of my knowledge and belief.			
18 Dec.'83		 Gerald G. Huddleston, L.S.	

EXHIBIT "B"
DRILLING PROGRAM TO
ACCOMPANY A.P.D.

Attached to Form 9-331C
MCOB Oil & Gas Corp.
#2-22 Cottonwood Federal
NE NW Sec. 22 T38S R26E
450' FNL & 2600' FEL
San Juan County, Utah

1. The Geologic Surface Formation

The surface formation is the Morrison.

2. Estimated Tops and Bottoms of Important Geologic Markers

Chinle	1175'	
Upper Ismay	5200'	5320'
Hovenweep Shale	5320'	5368'
Lower Ismay	5368'	5418'
Gothic Shale	5418'	5432'
Desert Creek	5432'	5502'
Lower Desert Creek	5502'	5532'
Chimney Rock Shale	5532'	5553'
Ak ah	5553'	
Total Depth	5600'	

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals and Lessee's or Operator's Plans for Protection of Such Resources

Water bearing zones will be protected with weighted mud.

Upper Ismay	5200'	Oil
Lower Desert Creek	5502'	Oil

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>SETTING DEPTH INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
20"	0-60'	60'	16"	Conductor Pipe	New
12 1/4"	0-1200'	1200'	8 5/8"	24# K-55 ST&C	New
7 7/8"	0-5600'	5600'	4 1/2"	10.5# K-55 ST&C	New

Cement Program -

Conductor Pipe: Redimix, cement in place to surface.

Surface Casing: 450 sacks Lite plus 2% CaCl₂, 1/4#/sack celloflake, followed by 200 sacks Class "B" plus 2% CaCl₂, 1/4#/sack celloflake.
Linear Fill-up: circulate to surface.

Production Casing: 400 sacks pozmix plus 10% salt. 1000 foot linear fill-up.

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to half of working pressure after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper and lower kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal.</u>	<u>VISCOSITY-sec./qt.</u>	<u>FLUID LOSS cc</u>
0 -1200'	Gel mud	8.8	30	NC
1200'-2500'	Water	8.5	30	NC
2500'-5000'	Chemical	11-12	35	NC
5000'-5600'	Chemical	11-12	45	<10

7. The Auxiliary Equipment to be Used

- (a) An upper and lower kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) Both a mud logging unit and gas detecting device will be monitoring the system.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) Drill stem tests will be run in the Upper Ismay (5200'-5320') and Lower Desert Creek (5500'-5560').
- (b) The logging program will consist of the following:

DIL-SFL	1200'-TD
BHC Sonic	1200'-TD
FDC-CNL	4000'-TD
- (c) Cores will be run in the Upper Ismay and Lower Desert Creek.
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted for approval.

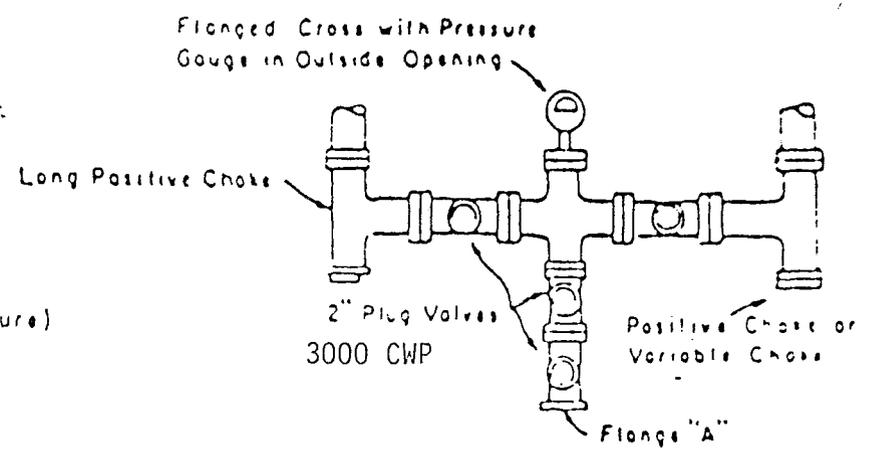
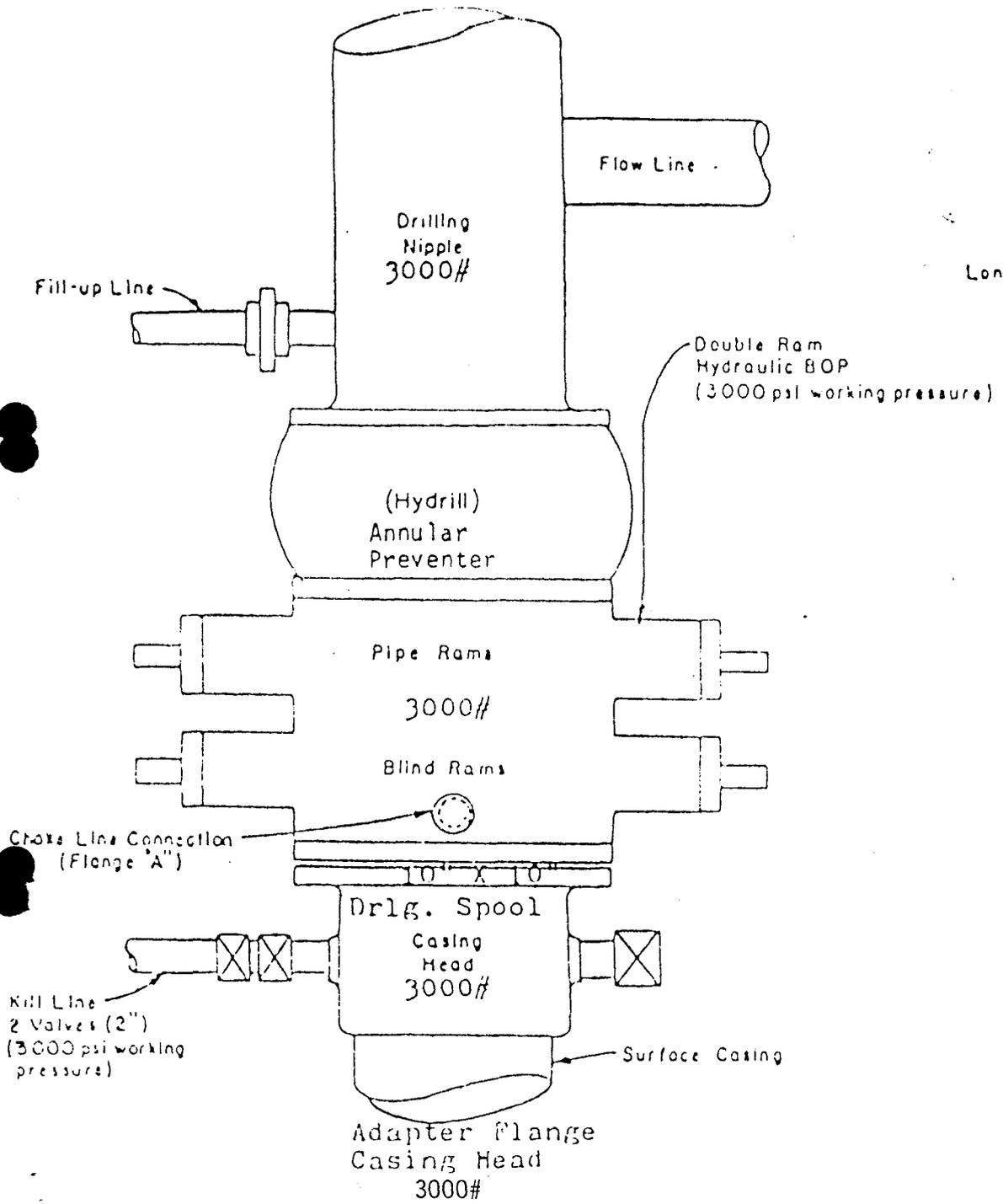
9. Any Anticipated Abnormal Pressures or Temperatures

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 fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for February 5, 1984, or as soon as possible after examination and approval of drilling requirements. Operations will cover 23 days for drilling and 10 days for completion; up to 6 months for clean-up depending on weather.



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT "C"
 BLOWOUT PREVENTER
 DIAGRAM

OPERATOR INCOA OIL & GAS CORP

DATE 12-30-83

WELL NAME COTTONWOOD FED 2-22

SEC NENW 22 T 38S R 26E COUNTY SAN JUAN

43-637-30995
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

RECEIVED BY UNIT
12-30-83
[Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

1/3/84
Virgin Mesa Unit ✓

APPROVAL LETTER:

SPACING: A-3 VIRGIN MESA ✓
UNIT

c-3-a _____
CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

WATER OK 09-13-89

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 VIRGIN MESA

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.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

January 3, 1984

MCOR Oil & Gas Corporation
Attn: Floyd Meade
3033 Northwest 63rd, Suite 250E
Oklahoma City, Oklahoma 73116

RE: Well No. Cottonwood Fed. 2-22
NENW Sec. 22, T. 38S, R. 26E
450' FNL, 2600' FWL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone NO. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

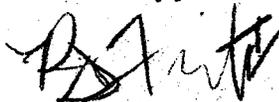
R. J. Firth - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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 43-037-30975.

Sincerely,



R. J. Firth
Chief Petroleum Engineer

RJF/as
cc: Branch of Fluid Minerals
Enclosure

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

2. NAME OF OPERATOR
 MCOR Oil & Gas Corp.

3. ADDRESS OF OPERATOR
 3033 Northwest 63rd, Suite 250E, Oklahoma City, Oklahoma 73116

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 450' FNL & 2600' FWL (NE NW)
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 15.8 miles northeast of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 40'

16. NO. OF ACRES IN LEASE 160

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

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

19. PROPOSED DEPTH 5600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5197' GR

22. APPROX. DATE WORK WILL START* February 5, 1984

5. LEASE DESIGNATION AND SERIAL NO.
 U-17065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Cottonwood Federal

9. WELL NO.
 2-22

10. FIELD AND POOL, OR WILDCAT
 Wildcat/Virgin Mesa Fed. Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 22 T38S R26E

12. COUNTY OR PARISH 13. STATE
 San Juan Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16" New	Conductor	60'	Redimix
12½"	8-5/8" New	24# K-55 ST&C	1200'	450 sx Lite + additives
7-7/8"	4½" New	10.5# K-55 ST&C	5600'	400 sx pozmix + additives

- Set 60' of 16" conductor pipe in 20" hole and cement in place.
- Drill 12½" hole and set 8-5/8" surface casing to 1200' with good returns.
- Log B.O.P. checks in daily drill reports and drill 7-7/8" hole to 5600'.
- Run tests if warranted and run 4½" casing if productive.
- Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" Drilling Program to Accompany A.P.D.
- "C" The Blowout Preventer Diagram
- "D" Surface Use Program to Accompany A.P.D.
- "E" & "E₁" Access Road Maps to Location
- "F" Radius Map of Field
- "G" & "G₁" Drill Pad Layout, Production Facilities & Cut-Fill Cross Sections
- "H" Drill Rig Layout

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

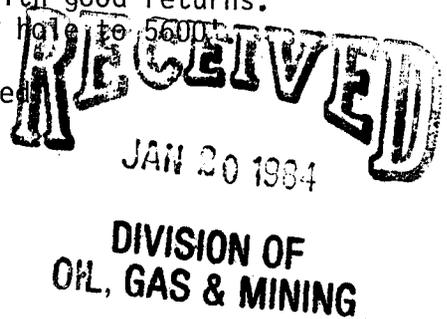
24. SIGNED [Signature] TITLE Regional Manager DATE 12-22-83
Drilling & Production

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /S/ GENE NODINE TITLE DISTRICT MANAGER DATE 16 JAN 1984
 CONDITIONS OF APPROVAL, IF ANY: _____

CONDITIONS OF APPROVAL ATTACHED
 *See Instructions On Reverse Side

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





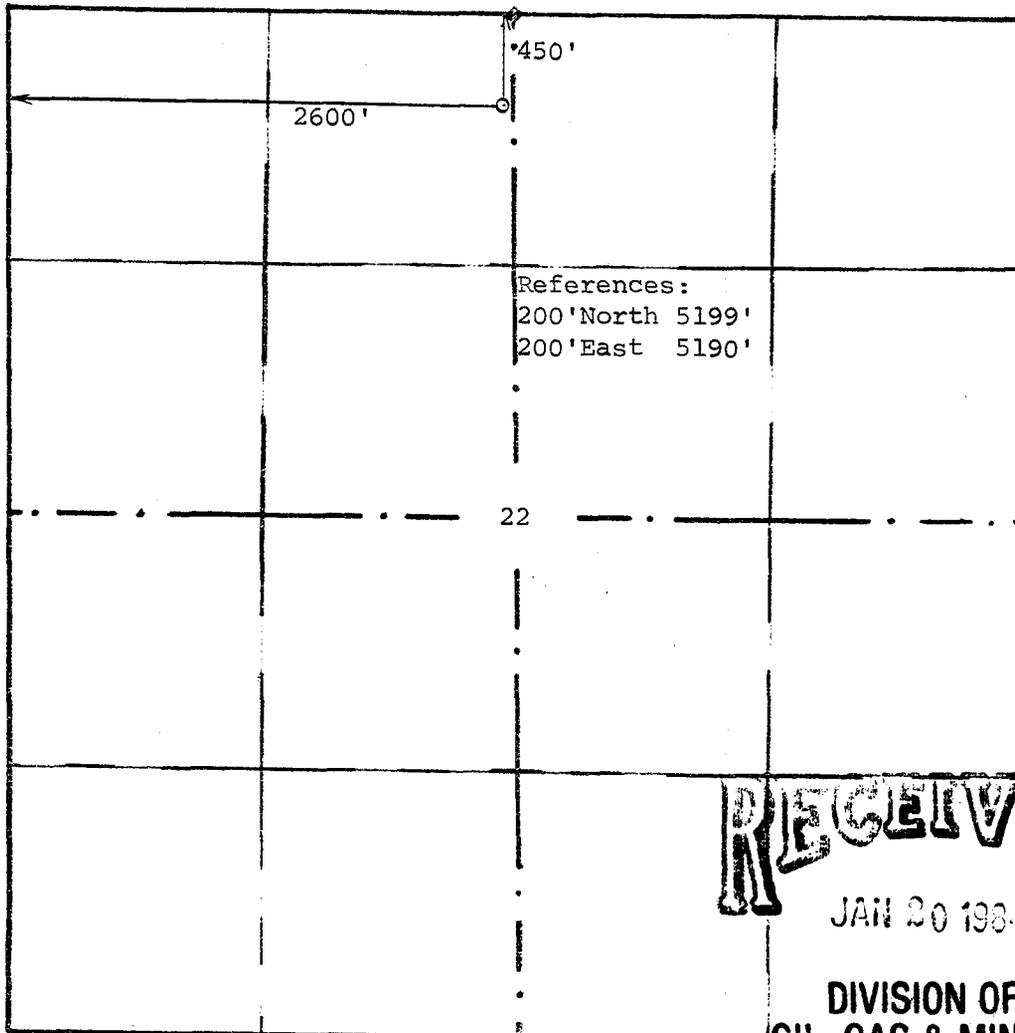
POWERS ELEVATION

Well Location Plat
EXHIBIT "A"

40 chains

29.2 chains

Location and
Elevation Plat



1"=1000'

RECEIVED
JAN 20 1984

DIVISION OF
OIL, GAS & MINING

Operator MCOR Oil and Gas		Well name 2-22 Cottonwood Federal	
Section 22	Township 38 South	Range 26 East	Meridian SLM
Footages 450'FNL & 2600'FWL		County/State San Juan, Utah	
Elevation 5197'	Requested by Floyd Meade		
The above plat is true and correct to the best of my knowledge and belief.			
18 Dec.'83		 Gerald G. Huddleston, L.S.	

MCOR Oil and Gas Corporation
Well No. 2-22
Section 22, T. 38 S., R. 26 E.
Lease U-17065
San Juan County, Utah

Supplemental Stipulation:

1. Adequate and sufficient electric/radioactive logs will be run to locate and identify the potash or saline minerals in the Paradox formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the potash or saline minerals resource. Surface casing program may require adjustment for protection of fresh water aquifers.

RECEIVED

JAN 30 1984

**DIVISION OF
OIL, GAS & MINING**

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company MCOR Oil & Gas Corporation

Well No. 2-22

Location Sec. 22, T. 38 S., R. 26 E.

Lease No. U-17065

**A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. 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 this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

RECEIVED

JAN 30 1984

1
DIVISION OF
OIL, GAS & MINING

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: R. D. (Bob) Graff

Office Phone: 801-259-6111 Ext. 216 Home Phone: _____

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 480 South First West, P.O. Box 7, Monticello, Utah 84535

Your contact is: Brian Wood

Office Phone: 801-587-2201 Home Phone: 801-587-2087

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.
9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.
10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.
11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.
12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address and telephone number.
 - b. Well name and number.
 - c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
 - d. Date was placed in a producing status.
 - e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

(1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

(2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.

(3) All disturbed areas not required for operations will be rehabilitated.

(4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.

(5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.

(6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.

(7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.

(8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.

(9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.

(10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.

(11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.

(12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MCOR OIL & GAS COMPANY

WELL NAME: COTTOMWOOD FEDERAL 2-22

SECTION NENW 22 TOWNSHIP 38S RANGE 26E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN DRILLING

RIG # 3

SPUDDED: DATE 2-6-84

TIME 2:30 PM

How ROTARY

DRILLING WILL COMMENCE _____

REPORTED BY GARY SMITH

TELEPHONE # (405) 840-3285

DATE 2-7-84 SIGNED GL

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
MCOB Oil & Gas Corporation

3. ADDRESS OF OPERATOR 73116
3033 N.W. 63rd, Suite 250, Okla. City, OK

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 450' FNL & 2600' FWL (NE-NW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

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

5. LEASE U-17065
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
7. UNIT AGREEMENT NAME N/A
8. FARM OR LEASE NAME Cottonwood Federal
9. WELL NO. 2-22
10. FIELD OR WILDCAT NAME Wildcat/Virgin Mesa Federal Unit
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T38S, R26E
12. COUNTY OR PARISH San Juan 13. STATE Utah
14. API NO. 43-037-30975
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5197' GR

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

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

Spud well 2:30 p.m. 2-6-84. Set 13-3/8" conductor @ 62' GL.

Drilling Contractor: Coleman Drilling Co., Rig #3

RECEIVED
FEB 10 1984

**DIVISION OF
OIL, GAS & MINING**

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

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

SIGNED G. R. Smith TITLE Administrative Asst. DATE February 7, 1984

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-1706
Communitization Agreement No. _____
Field Name Wildcat/Virgin Mesa Federal Unit
Unit Name _____
Participating Area _____
County San Juan State Utah
Operator MCOR Oil & Gas Corporation
 Amended Report Cottonwood Federal

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 19 84

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & ¼ of ¼	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
2-22	22 NE/NW	38S	26E	Drg.	0	0	0	0	Spud 2-6-84 Plugged & Abandoned 2-24-84 at TD 5604'.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	0	0	0
*Sold	0	0	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*Used on Lease	0	0	XXXXXXXXXXXXXXXXXX
*Injected	0	0	0
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*Other (Identify)	0	0	0
*On hand, End of Month	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	0	0	XXXXXXXXXXXXXXXXXX

Authorized Signature: G. R. Smith Address: 3033 N.W. 63rd, Okla. City, Okla. 73116
Title: Admin. Asst.

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 Hole

2. NAME OF OPERATOR
MCOR Oil & Gas Corporation

3. ADDRESS OF OPERATOR 3033 N.W. 63rd, Suite 250
Oklahoma City, Okla. 73116

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 450' FNL & 2600' FWL (NE-NW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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-17065 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A

7. UNIT AGREEMENT NAME N/A

8. FARM OR LEASE NAME Cottonwood Federal

9. WELL NO. 2-22

10. FIELD OR WILDCAT NAME Wildcat/Virgin Mesa Federal Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 22, T38S, R26E

12. COUNTY OR PARISH San Juan

13. STATE Utah

14. API NO. 43-037-30975

15. ELEVATIONS (SHOW DF, KDB, AND WD) 5204' GR, 5216' DF

(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 subject well reached total depth of 5604' on 2-23-84 and was abandoned on 2-24-84 using the following procedure:

1. The hole was displaced with 11.4 ppg mud and cement plugs were set as follows:
 - a. 123 sacks from 5570' back to 5152'.
 - b. 30 sacks from 3030' back to 2930'.
 - c. 30 sacks from 2200' back to 2100'.
 - d. 30 sacks from 1300' back to 1200'.
 - e. 25 sacks from 80' back to surface.
2. The 8-5/8" surface casing will be cut off, a steel plate welded on, and dry hole marker erected.
3. Restoration of the location will begin when conditions permit, as provided in the "Multi-Point Surface Use and Operations Plan" & the Permit to Drill.

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

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

SIGNED G. R. Smith TITLE Admin. Asst. DATE Feb. 24, 1984

(This space for Federal or State office use)

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

ACCEPTED

2/25/84

RJ

RECEIVED

MAR 5 1984

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, UT 84114

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Cottonwood Federal #2-22 (U-17065)
Operator MCOR Oil & Gas Corporation Address 3033 N.W. 63rd Street, Suite 250
Oklahoma City, Okla. 73116
Contractor Coleman Drilling Co. Address Drawer 3337
Farmington, NM 87499
Location NE 1/4 NW 1/4 Sec. 22 T. 38S R. 26E County San Juan

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	2980'		No Gauge	Salty
2.	3956'		No Gauge	Salty
3.				
4.				
5.				

(Continue on reverse side if necessary)

Formation Tops Cutler

Remarks

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

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.

4
3

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 Abandonment

2. NAME OF OPERATOR
MCOR Oil & Gas Corporation

3. ADDRESS OF OPERATOR
3033 N.W. 63rd, Suite 250
Oklahoma City, Oklahoma 73116

4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements)*
At surface 450' FNL & 2600' FWL (NE-NW)

At top prod. interval reported below

At total depth

RECEIVED
MAR 5 1984

DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

U-17065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Cottonwood Federal

9. WELL NO. 2-22

10. FIELD AND POOL, OR WILDCAT
Wildcat/Virgin Mesa
Federal Unit

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 22, T38S, R26E

14. PERMIT NO. 43-037-30975 | 1-3-84
12. COUNTY OR PARISH San Juan | 13. STATE Utah

15. DATE SPUDDED 2-6-84 | 16. DATE T.D. REACHED 2-23-84 | 17. DATE COMPL. (Ready to prod.) 2-24-84 P & A | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5204' GR, 5216' DF | 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5604' | 21. PLUG, BACK T.D., MD & TVD surface | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY 0-5604 | ROTARY TOOLS | CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
N/A | 25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL/SFL, CNL/FDC, BHC/Sonic | 27. WAS WELL CORED
yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1246'	12-1/4"	470 sacks Lite 200 sacks Class 'B'	0

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)					
	<u>Plugged & Abandoned</u>						
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

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

SIGNED G. R. Smith | TITLE Administrative Asst. | DATE Mar. 1, 1984

*(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 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.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	
			NAME	
			MEAS. DEPTH	
			TRUE VERT. DEPTH	
Cutler	2960'	2980'	water flow (salty)	Shinarump 2218'
Upper Ismay	5247'	5365'	Core #1 5247-5307' Rec. 56' 2-3' of porosity, wet	Cutler 2347'
			Core #2 5307-5365' Rec. 60' (2' from Core #1), 3-4' of	Upper Hermosa 4130'
Lower Desert Creek	5528'	5548'	Core #3 5538-5571' Rec. 33', wet porosity, wet	Upper Ismay 5251'
				Hovenweep 5352'
				Lower Ismay 5406'
				Gothic Shale 5447'
				Upper Desert Creek 5473'
				Lower Desert Creek 5523'
				Base of Lower Anhydrite 5528'
				Chimey Rock Shale 5548'
				Akah 5568'

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 Hole

2. NAME OF OPERATOR
MCOR Oil & Gas Corporation

3. ADDRESS OF OPERATOR 3033 N.W. 63rd, Suite 250
Okla. City, Okla. 73116

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 450' FNL & 2600' FWL (NE-NW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE U-17065

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Cottonwood Federal

9. WELL NO. 2-22

10. FIELD OR WILDCAT NAME
Wildcat/Virgin Mesa Federal Unit

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 22, T38S, R26E

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO. 43-037-30975

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5204' GR, 5216' DF

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

SUBSEQUENT REPORT OF

RECEIVED
MAR 12 1984

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

**DIVISION OF
OIL, GAS & MINING**

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

The subject well reached total depth of 5604' on 2-23-84 and was abandoned on 2-24-84 using the following procedure:

- The hole was displaced with 11.4 ppg mud and cement plugs were set as follows:
 - 123 sacks from 5570' back to 5152'.
 - 30 sacks from 3030' back to 2930'.
 - 30 sacks from 2200' back to 2100'.
 - 30 sacks from 1300' back to 1200'.
 - 25 sacks from 80' back to surface.
- The 8-5/8" surface casing was cut off, a steel plate welded on, and dry hole marker erected on 3-7-84.
- Restoration of the location will begin approx. May 1, 1984, as provided in the "Multi-Point Surface Use and Operations Plan" & the Permit to Drill.

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

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

SIGNED G. R. Smith TITLE Admin. Asst. DATE March 9, 1984

(This space for Federal or State office use)

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

ACCEPTED
3/15/84