

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

3. ADDRESS OF OPERATOR
 4800 East Happy Canyon Road, Suite 200, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 700'FSL & 1300'FWL (SW SW)
 At proposed prod. zone same

5. LEASE DESIGNATION AND SERIAL NO.
 U-47204

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Barry Federal

9. WELL NO.
 #1-33

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 33 T35S R25E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 10.5 miles south of Eastland, Utah

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

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 640

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

19. PROPOSED DEPTH
 6400'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6508'GR

22. APPROX. DATE WORK WILL START*
 May 15, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16" new	Conductor Pipe	80'	Redimix-cement to surface
12 1/4"	8 5/8" new	24# K-55 ST&C	1720'	650 sxs "light" plus additives
7 7/8"	4 1/2" new	10.5# K-55 ST&C	6400'	371 sxs plus additives

1. Drill 80' interval 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 1720' with good returns.
3. Log B.O.P. checks in daily drill reports and drill 7 7/8" hole to 6400'.
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 Plan 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 Section
- "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 J.E. Walton TITLE Manager - Operations Western Region DATE 5/10/84

(This space for Federal or State office use)

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

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

DATE: 5/15/84
 BY: [Signature]

*See Instructions On Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

74 West Main Street • P.O. Box 718 • Price, UT 84501 • 801-637-1303

May 14, 1984

Division of Oil, Gas & Mining
Attn: Norm Stout
4241 State Office Building
Salt Lake City, Utah 84114

Re: Temporary Change No. 84-09-10

Dear Mr. Stout:

Enclosed please find a copy of the above referenced Temporary Change Application for your records. Please contact our office if you have any questions.

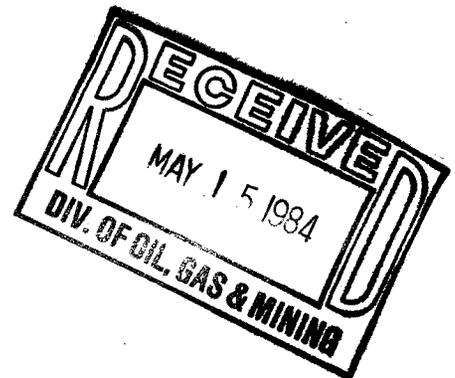
Sincerely,

A handwritten signature in cursive script that reads "Mark P. Page".

Mark P. Page
Area Engineer

Enclosure

MPP/mjk



APPLICATION NO. 84-09-10
DISTRIBUTION SYSTEM _____

Application For Temporary Change of Point of Diversion, Place or Purpose of Use STATE OF UTAH

(To Be Filed in Duplicate)

_____ Place _____ Date May 14, 19 84

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use
(Strike out written matter not needed)

of water, the right to the use of which was acquired by 09-1130 (54448)
(Give No. of application, title and date of Decree and Award No.)
to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of
facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. The owner of right or application is Crowley Ranch c/o James Crowley
- 2. The name of the person making this application is MCOR Oil & Gas Corporation
- 3. The post office address of the applicant is 10880 Wilshire Blvd. Los Angeles, Calif. 90024
(1-303-759-9839 Mike Caskey)

PAST USE OF WATER

- 4. The flow of water which has been used in second feet is _____
- 5. The quantity of water which has been used in acre feet is 20.0 AF
- 6. The water has been used each year from April 1 (Month) to October 31 (Month) incl. (Day) (Day)
- 7. The water has been stored each year from January 1 (Month) to December 31 (Month) incl. (Day) (Day)
- 8. The direct source of supply is Long Draw in San Juan County.
- 9. The water has been diverted into Reservoir ditch canal at a point located S. 1400 ft. & W. 300 ft. from NE Cor. Sec. 25, T34S, R25E, SLB&M.
- 10. The water involved has been used for the following purpose: Stockwater: 40 Cattle and miscellaneous uses for road work seismograph and exploration drilling

Total _____ acres.
NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purposes, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

- 11. The flow of water to be changed in cubic feet per second is _____
- 12. The quantity of water to be changed in acre-feet is 2.0
- 13. The water will be diverted into the tank truck ditch canal at a point located S. 1400 ft. & W. 300 ft. from NE Cor. Sec. 25, T34S, R25E, SLB&M.
- 14. The change will be made from May 15, 1984, to August 31, 1984
(Period must not exceed one year)
- 15. The reasons for the change are to change the place of use to the well defined in paragraph #17 below.
- 16. The water involved herein has heretofore been temporarily changed _____ years prior to this application.
(List years change has been made)
- 17. The water involved is to be used for the following purpose: Exploration drilling one well: Barry #1-33 Federal: N. 700 ft. & E. 1300 ft. from SW Cor. Sec. 33, T35S, R25E, SLB&M.

Total _____ acres.
NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

A filing fee in the sum of \$5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

M. C. Caskey
Signature of Applicant

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of \$7.50 Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:
State Engineer
State Capitol Building
Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. (River System)

1. Application received by Water Commissioner (Name of Commissioner)

Recommendation of Commissioner

2. MAY 14, 1984 Application received over counter by mail in State Engineer's Office by [Signature]

3. Fee for filing application, \$7.50 received by ; Rec. No.

4. Application returned, with letter, to , for correction.

5. Corrected application resubmitted over counter by mail to State Engineer's Office.

6. Fee for investigation requested \$

7. Fee for investigation \$, received by : Rec. No.

8. Investigation made by ; Recommendations:

9. Fee for giving notice requested \$

10. Fee for giving notice \$, received by : Rec. No.

11. Application approved for advertising by publication mail by

12. Notice published in

13. Notice of pending change application mailed to interested parties by as follows:

14. Change application protested by (Date Received and Name)

15. Hearing set for , at

16. 5-14-84 Application recommended for rejection approval by [Signature]

17. 5-14-84 Change Application rejected approved and returned to APPLICANT

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

- 1.
2.
3.

[Signature]
for State Engineer



POWERS ELEVATION

OIL WELL ELEVATIONS - LOCATIONS
ENVIRONMENTAL-ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222-1767
PHONE NO. 303/321-2217

May 11, 1984

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.
Barry #1-33 Federal
SW SW Sec. 33 T35S R25E
700' FSL & 1300' FWL
San Juan County, Utah

Gentlemen:

Enclosed are three copies each of the Federal A.P.D. Form 3160-3, the Location and Elevation Plat, The Ten-Point Compliance Program, and the Blowout Preventer Diagram for the above-referenced well location.

Please return the approved copies to:

Mr. Mike Caskey
MCOR Oil & Gas Corp.
4800 East Happy Canyon Road
Suite 200
Denver, Colorado 80237

Very truly yours,

POWERS ELEVATION

Connie L. Frailey
Connie L. Frailey
Vice President, Environmental Services

CLF/cw
Enclosure

cc: Mike Caskey





STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

74 West Main Street • P.O. Box 718 • Price, UT 84501 • 801-637-1303

May 14, 1984

Emcor Oil & Gas Corporation
10880 Wilshire Blvd.
Los Angeles, California 90024

Re: Temporary Change No.84-09-10

Dear Sirs:

The above numbered Temporary Change Application has been approved.
A copy is herewith returned to you for your records and future
reference.

Sincerely,

A handwritten signature in cursive script that reads "Mark P. Page".

Mark P. Page
Area Engineer
for Dee C. Hansen, P.E.
State Engineer

cc: Crowley Ranch

Enclosure

DCH/MPP/mjk

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

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-47204
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR MCOR Oil & Gas Corp.			7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR 4800 East Happy Canyon Road, Suite 200, Denver, CO 80237			8. FARM OR LEASE NAME Barry Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface: 700' FSL & 1300' FWL (SW SW) At proposed prod. zone: same			9. WELL NO. #1-33
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13. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 700'	16. NO. OF ACRES IN LEASE 640	17. NO. OF ACRES ASSIGNED TO THIS WELL 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33 T35S R25E
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ---	19. PROPOSED DEPTH 6400'	20. ROTARY OR CABLE TOOLS Rotary	12. COUNTY OR PARISH 13. STATE San Juan Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6508' GR		22. APPROX. DATE WORK WILL START* May 15, 1984	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
20"	16" new	Conductor Pipe	80'	Redimix-cement to surface
12 1/4"	8 5/8" new	24# K-55 ST&C	1720'	650 sxs "light" plus additives
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- "D" Surface Use Plan 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 Section
- "H" Drill Rig Layout

RECEIVED

MAY 17 1984

DIVISION OF OIL
GAS & MINING

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

24. SIGNED J. E. Walton TITLE Manager - Operations Western Region DATE 5/10/84

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY /s/Kenneth V. Rhea TITLE Acting District Manager DATE 5/14/84
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

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

*See Instructions On Reverse Side

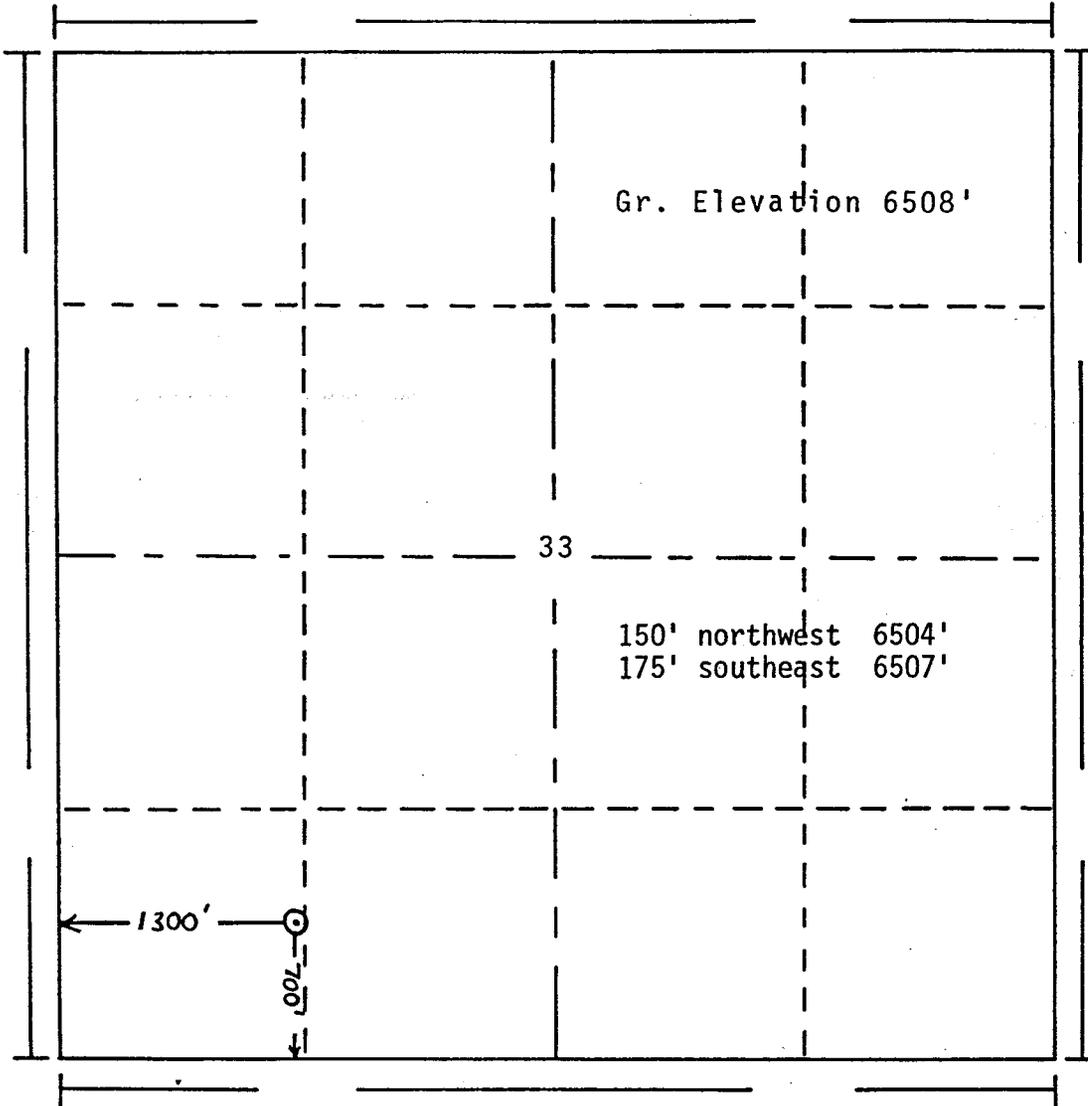
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

Sub 4, 1001 - DOG-M



N

R. 25 E



T. 35 S

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from
 for MCOR Oil & Gas Corp.
 determined the location of 1-33 Barry
 to be 700fsl, 1300fwl Section 33 Township 35 S
 Range 25 E of the Salt Lake Principal Meridian
 San Juan County, Utah

I hereby certify that this plat is an
 accurate representation of a correct
 survey showing the location of
 1-33 Barry

Date: 5-7-84

T. Nelson
 Licensed Land Surveyor No. 2711
 State of Utah

EXHIBIT "B"

DRILLING PROGRAM TO

ACCOMPANY A.P.D. FORM 3160-3

Attached to Form 3160-3
MCOR Oil & Gas Corp.
Barry #1-33 Federal
SW SW Sec. 33 T35S R25E
700'FSL & 1300'FWL
San Juan County, Utah

1. The Geologic Surface Formation

The surface formation is the Morrison.

2. Estimated Tops of Important Geologic Markers

Chinle	1670'	Lower Desert Creek	6330'
Upper Ismay	5916'	Chimney Rock Shale	6360'
Hovenweep Shale	5994'	Akah	6375'
Lower Ismay	6161'		
Gothic Shale	6216'	Total Depth	6400'
Desert Creek	6274'		

3. Estimated Depths (tops&bottoms) of Anticipated Water, Oil, Gas or Minerals and Lessee's or Operators Plans for Protection of Such Resources

Honaker Trail	5516' - 5916'	Gas
Upper Ismay	5916' - 5994'	Oil
Lower Ismay	6161' - 6216'	Water
Lower Desert Creek	6330' - 6360'	Oil

Casing will be run to total depth and cemented across zones. Water bearing zones will be protected with weighted mud. All fresh water and prospectively valuable minerals (as directed by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

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 - 80'	80'	16"	Conductor Pipe	New
12 1/4"	0 - 1720'	1720'	8 5/8"	24# K-55 ST&C	New
7 7/8"	0 - 6400'	6400'	4 1/2"	10.5# K-55 ST&C	New

Cement Program:

Conductor Pipe: Redimix, cement in place to surface.

Surface Casing: 650 sacks "light" cement with 2% CaCl₂ and 1/4#/sack flocele, followed by 200 sacks Class "B" cement with 2% CaCl₂.

Production Casing: 371 sacks 50/50 pozmix cement with 10% salt, 2% Bentonite, 0.50% CFR-2 and 0.50% Halad 9.

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 each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will 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 ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

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 LOSScc</u>	<u>Ph</u>
0-2300'	water with gel	8.8	35	N/C	8
2300-2500'	water	8.3	----	-----	----
2500-5500'	chemical	11 - 12	40	15	11
5500-TD	chemical	11 - 12	45	8 - 10	11

7. The Auxiliary Equipment to be Used

- (a) An upper and lower kelly cock will be kept in the string.
- (b) A float will not be used at the bit.
- (c) 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) One drill stem test will be run in the following formations:
 - Honaker Trail
 - Upper Ismay
 - Lower Desert Creek
- (b) The logging program will consist of the following:
 - DIL/SFL base of surface casing to TD
 - BHC Sonic base of surface casing to TD
 - FDC/CNL 4000' to TD
 - Dipmeter 4000' to TD
- (c) Three 60' conventional cores: two in the Upper Ismay, one in the 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.
- (e) Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.

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. Bottom hole pressure expected is 2470 psi±.

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 May 15, 1984, or as soon as possible after examination and approval of drilling requirements. Operations should cover 23 days for drilling and 10 days for completion; up to six months for clean-up depending of the weather.

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 within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager.

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 Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.

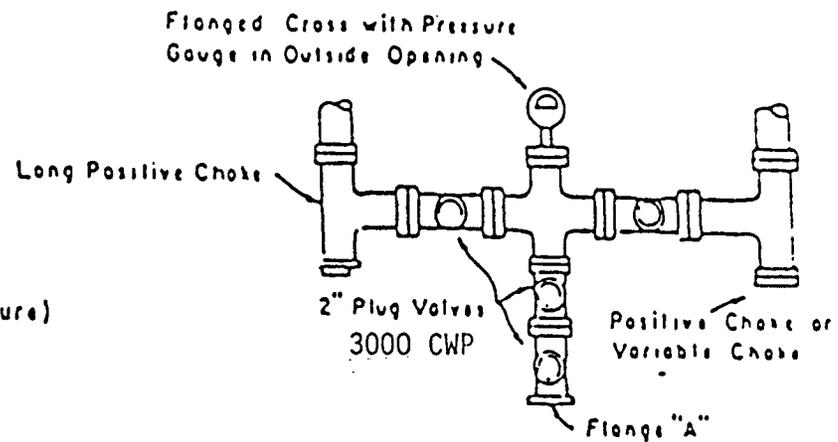
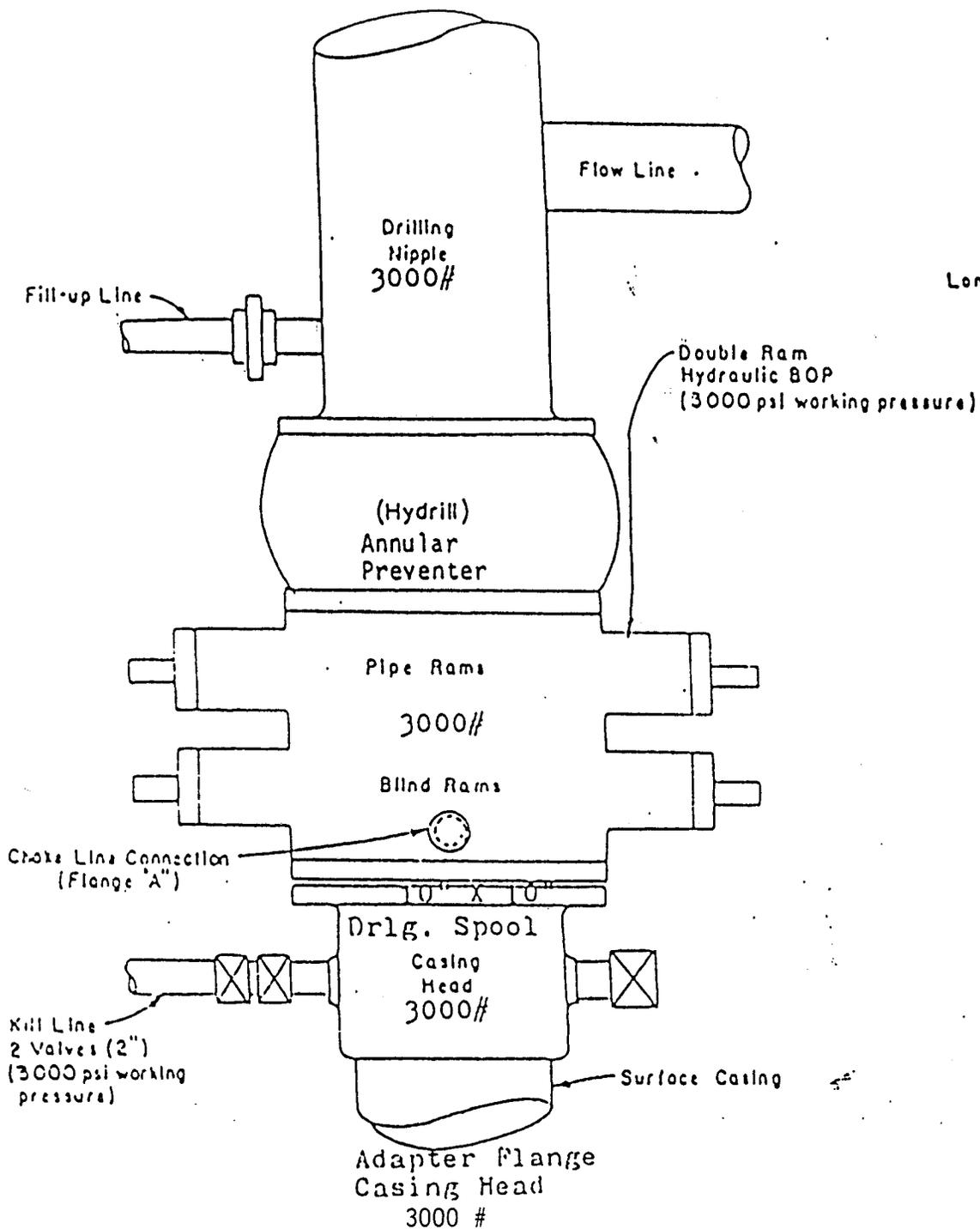
If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig.

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 the first business day following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Manager. 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 not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or surface owner.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The Operator will schedule the conference with the San Juan Area Manager.



PLAN VIEW-CHOKE MANIFOLD

EXHIBIT "C"
 BLOWOUT PREVENTER
 DIAGRAM

OPERATOR MCOR DATE 5-15-84

WELL NAME Bury Fed #1-33

SEC SWSW 33 T 35S R 25E COUNTY San Juan

43-037-31016
API NUMBER

Fed
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 oil wells within 1000'

Water of - Permit # 84-09-10

APPROVAL LETTER:

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

c-3-b c-3-c

SPECIAL LANGUAGE:

Exp. system loc. request (Rec'd 5/16/84)

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.



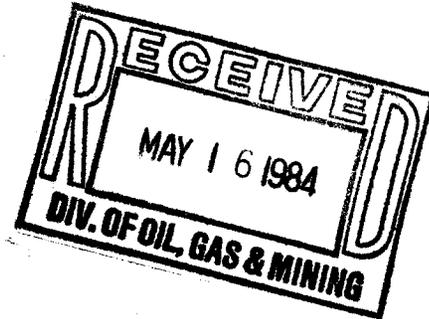
POWERS ELEVATION

OIL WELL ELEVATIONS - LOCATIONS
ENVIRONMENTAL-ARCHAEOLOGICAL SERVICES
600 SOUTH CHERRY STREET, SUITE 1201
DENVER, COLORADO 80222-1787
PHONE NO. 303/321-2217

May 15, 1984

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

RE: Filing Spacing Exception
MCOR Oil & Gas Corp.
Barry #1-33 Federal
SW SW Sec. 33 T35S R25E
700' FSL & 1300' FWL
San Juan County, Utah



Dear Mr. Firth:

This letter constitutes a request for spacing exception due to topography. MCOR Oil & Gas Corp. has control of a 660' radius; therefore, no other lease owners are being violated.

Application for Permit to Drill was submitted to your office on May 14, 1984.

Please return the approved copies to:

Mr. Mike Caskey
MCOR Oil & Gas Corp.
4800 East Happy Canyon Road
Suite 200
Denver, Colorado 80237 (303) 754-9839

Very truly yours,

POWERS ELEVATION

Connie L. Frailey
Vice President, Environmental Services

CLF/cw
Enclosure

cc: Mike Caskey

MEMO

From: Chris Worsham Date: 5/16/84

To: Ron Firth

Filing Spacing Exception
MCOR Oil & Gas Corp.
Barry #1-33 Federal
SW SW Sec. 33 T35S R25E
700'FSL & 1300'FWL
San Juan County, Utah

*Planned
file
1/2*

We inadvertently excluded the topographic map for the above-referenced well location.

We apologize for any inconvenience this may have caused.

If anything more is required, please advise.

Chris Worsham

RECEIVED

MAY 18 1984

**DIVISION OF OIL
GAS & MINING**



POWERS ELEVATION

A DIVISION OF PETROLEUM INFORMATION CORP.

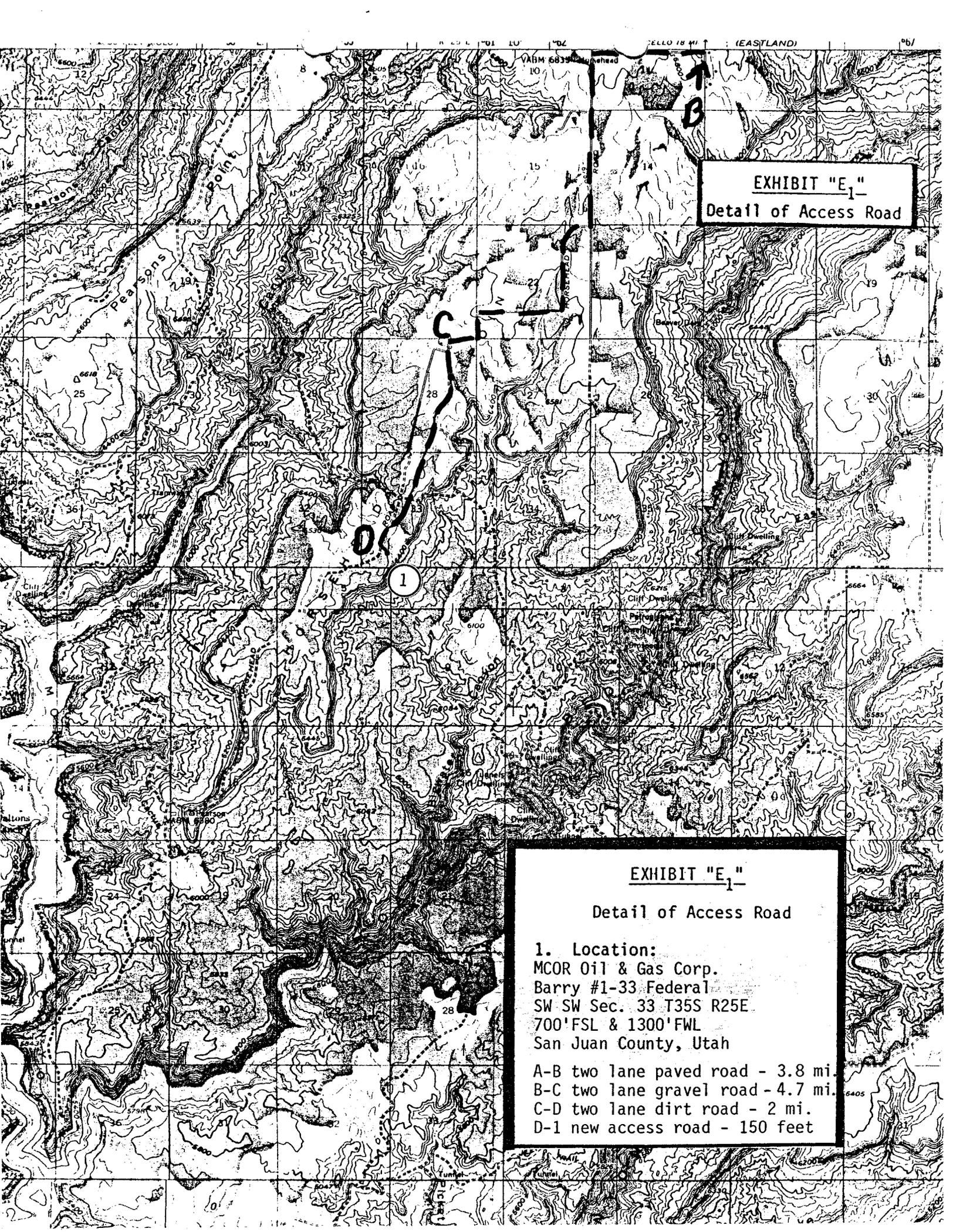


EXHIBIT "E₁"
Detail of Access Road

EXHIBIT "E₁"
Detail of Access Road

1. Location:
MCOR Oil & Gas Corp.
Barry #1-33 Federal
SW SW Sec. 33 T35S R25E
700' FSL & 1300' FWL
San Juan County, Utah

A-B two lane paved road - 3.8 mi.
B-C two lane gravel road - 4.7 mi.
C-D two lane dirt road - 2 mi.
D-1 new access road - 150 feet

May 15, 1984

MOOR Oil & Gas Corporation
Attn: Mike Caskey
4800 East Happy Canyon Road, Suite 200
Denver, Colorado 80237

RE: Well No. Barry Fed. 1-33
SW/4 Sec. 33, T. 35S, R. 25E
700' FSL, 1300' FWL
San Juan County, Utah

Gentlemen:

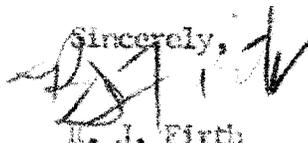
Approval to drill the above referenced oil well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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 R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-6068 (Home).
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.
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 43-037-31016.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

RJF/as
cc: Branch of Fluid Minerals
Enclosures

*Water
of
WS*

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MCOR

WELL NAME: BARRY #1-33 FEDERAL

SECTION SWSW 33 TOWNSHIP 35S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR COLEMAN

RIG # 4

SPUDDED: DATE 5-23-84

TIME 3:30 AM

How Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Jordan McNay

TELEPHONE # _____

DATE 5-23-84 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

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"/>		5. LEASE DESIGNATION AND SERIAL NO. U-47204
2. NAME OF OPERATOR MCOR OIL AND GAS CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR 10880 Wilshire Blvd., Los Angeles, California 90024		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 700' FSL & 1300' FWL (SW SW)		8. FARM OR LEASE NAME Barry Federal
14. PERMIT NO.		9. WELL NO. #1-33
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6508' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T35S, R25E
		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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Spud Notice</u>	<input checked="" 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.)*

/ Spudded @ 3:30 AM 5/23/84, with rotary tools.

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

SIGNED J. F. Walton TITLE Manager - Operations DATE 5/25/84
J. F. Walton Western Region

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

RECEIVED

RECEIVED

MAY 29 1984

SEP 7 1984

IN THE SEVENTH JUDICIAL DISTRICT COURT, IN AND FOR THE COUNTY OF GRAND STATE OF UTAH

IN THE MATTER OF THE GENERAL DETERMINATION OF RIGHTS TO THE USE OF WATER, BOTH SURFACE AND UNDERGROUND, WITHIN THE DRAINAGE AREA OF THE COLORADO RIVER IN SAN JUAN, GRAND AND UINTAH COUNTIES, UTAH, AND EXCLUSIVE OF THE GREEN RIVER DRAINAGE.

STATEMENT OF WATER USER'S CLAIM

CODE NO. SERIAL NO.

09 1130

MAP NO.

NOTE: This blank is sent to you in accordance with Utah Law. The information called for herein will be used in connection with the adjudication of water rights on the above mentioned drainage area. All questions applicable to your claim must be answered fully, and one copy of this form must be filed with the Clerk of the District Court at Moab, Utah, within sixty (60) days from date of service of the attached Notice. A copy shall be filed with the State Engineer, State Capitol, Salt Lake City. Failure to file the attached Statement of the Water User's Claim with the Clerk of the District Court within the time stated will forever bar and estop you from asserting any right to the use of water from said drainage area.

- 1. Name of Claimant Crowley Ranch c/o James Crowley East Route Interest Claimed Full
2. Address Monticello, Utah 84535
3. Name of particular spring, spring area, stream, well, tunnel or drain from which water is diverted is Long Draw Runoff in San Juan County.
4. Priority date claimed April 1, 1980 Date when water was first used
5. Class of Right (Indicate by X): (a) Right to surface water initiated by beneficial use before 1903 Claim No. (b) Right to underground water initiated before 1935 Claim No. (c) Right decreed by court, cite title of case (d) X Application filed, State Engineer's Office No. 54448 Cert. of App. No. Election (e) Right acquired by adverse use prior to 1939
6. Nature (Indicate by X), Amount, and Annual Period of Use (by month & day): (a) Irrigation Sec. Ft. from to (both dates incl.) (b) X Stockwatering Sec. Ft. 20.0 AF from April 1 to October 31 (both dates incl.) (c) Domestic Sec. Ft. from to (both dates incl.) (d) Municipal Sec. Ft. from to (both dates incl.) (e) X Ind. Sec. Ft. Inc. from January 1 to December 31 (both dates incl.)
7. Direct Flow Appropriation (must be described with reference to U. S. Government Survey Corner) (a) Point of diversion from spring, spring area, stream, well, tunnel, drain S. 1400 ft. & W. 300 ft. from NE Cor. Sec. 25, T34S, R25E, SLB&M. (b) Description of spring area (c) Point of redirection or point of return to natural channel (d) If flow is intermittently diverted, list by number or description, all rights involved
8. Where water is used for irrigation purposes: (a) Area irrigated in legal subdivisions of land by 40-acre tract. (All sources of water for same land or lands must be described in each instance by name or claim number) (b) Do you get water under a ditch owned by several users. If so, give names of all users and divisions of interest
9. Where water is used for Stockwatering: (a) Number of each kind of stock watered 40 Cattle in SE 1/4 NE 1/4 Sec. 25, T34S, R25E, SLB&M. (b) All sources of water for same stock. (Describe by name or claim number)
10. Where water is used for Domestic: (a) Number of families or their equivalent All sources of water for same use. (Describe by name or claim number)

11. Where water is used for Municipal Purposes:

(a) Name of city or town supplied Population
Number of families Quantity of water

12. Where water is used for a purpose not above enumerated:

(a) Nature of Use Extent of Use
Road work, Seismograph, Exploratory Drilling, Core Drilling

13. Appropriation for Storage Purposes:

(a) Name of reservoir
(b) Location of reservoir by legal subdivisions described by 40-acre tracts
SE 1/4 NE 1/4 Sec. 25, T34S, R25E, SLB&M.
(c) Maximum capacity of reservoir in acre feet 20.0 : Year construction commenced
Completed : Water first used Is reservoir located on or off stream.....
(d) Period of Storage from to (both dates incl.). Period of use from
to (both dates incl.). Maximum area in acres inundated Max. depth in feet 8 ft. high dam.
Average depth in feet Is reservoir drained each year Maximum number of fillings per
year Is reservoir used for equalizing purposes If feeder canal is used, give maximum
carrying capacity in sec. ft.

14. Diverting Works:

(a) Surface water diverting dam: Material composed of
Max. length Max. height Max. width at bottom Max. width
at top
(b) Underground water diverting works: Is well flowing or pump Depth of well
Diameter of well Length of drain Width of drain Depth of drain
Diameter of drain Length of tunnel Width of tunnel Height of tunnel
Type of pump Capacity of pump
(c) Surface and underground water conveying works: Length of ditch to first place of use Width of
ditch at top Width of ditch at bottom Depth of water Grade of
ditch per 1000 ft. Material through which ditch passes Maximum length of
pipe line to first place of use Diameter of pipe line Grade of pipe line per
1000 feet

15. The undersigned hereby enters his appearance and waives service of summons or other process.

STATE OF UTAH

COUNTY OF San Juan } SS. (To be used if claimant is an individual)

..... being first duly sworn, upon oath deposes and says that he is the claimant
whose name appears hereon, that he has read the foregoing statement of his claim and knows the contents thereof, that
he has signed the same, and that the answers set forth therein are true to his best knowledge and belief.

Crowley Ranch By James Crowley
Signature of Claimant

Subscribed and sworn to before me this 1st day of Sept 1983

Barbara Montella
NOTARY PUBLIC

STATE OF UTAH

COUNTY OF } SS. (To be used if claimant is a corporation or an estate)

....., being first duly sworn, upon oath deposes and says that he is the
..... of the above claimant, that he makes this certification on behalf of said
claimant, that he has read the foregoing statement of claim and knows the contents thereof, and that he has signed the name
of said claimant to said statement, that the answers set forth therein are true to his best knowledge and belief.

Subscribed and sworn to before me this day of 19.....

NOTARY PUBLIC

BEST COPY
AVAILABLE

WELL NAME BARRY #1-33 FEDERAL
FIELD/PROSP ODYSSEUS PROSPECT
COUNTY NAME SAN JUAN CO., UTAH
TARGET ZONE UPPER ISMAY, DSRT CRK
PTD 6400'
DEPTH 6412' TD
AFE # 0884E01400

WELL TYPE EXPLORATORY
WELL STATUS DRILLING
WELL OBJECTIVE OIL
EST. DAYS 23 ELAPSD DAYS:15 HRS:3

MUD WT: VIS:
AFE AMOUNT:\$560,000

===== OPERATIONS IN SEQUENCE =====

- 05-22-84
NEW LOCATION: 700' FSL & 1300' FWL, SEC. 33, T35S, R25E,
SLM, SAN JUAN COUNTY, UTAH. MCO - OPERATOR.
MOVING IN COLEMAN RIG #4.
- 05-23-84
KB-GL: 14'. SPUDDED @ 3:30 AM 5/23/84. DRILLED 12-1/4"
HOLE. REPAIRED PUMP. DRILLED 12-1/4" HOLE TO 100'. LOST
CIRC @ 100'. MIXED LCM. REGAINED CIRC.
- 05-24-84
1236'. (1136'). 1D 3H. MW 8.6. VIS 28. DART.
MIXED LCM & CIRC. SERVICED RIG. DRILLED 12-1/4" HOLE TO
130'. SURV. DRILLED 12-1/4" HOLE TO 651'. SURVEYED.
DRILLED 12-1/4" HOLE TO 1236'. DART.
FM: SS
SURVEYS: 130' - 1/4 DEG, 651' - 1-1/2 DEG, 1191' - 2-1/4
DEG.
- 05-25-84
1728'. (492'). 2D 3H. MW 8.4. VIS 27. RU BOPE ART.
DRILLED 12-1/4" HOLE. SERVICED RIG. DRILLED 12-1/4" HOLE TO
1728'. CIRC & COND MUD TO RUN CSG. SURVEYED. POOH. LD
8-1/2" DC. RAN 42 JTS (1731.01') 8-5/8" 24# K-55 ST&C CSG.
SHOE @ 1728'. INSERT @ 1680'. CIRC CSG @ 1728'. CMTD CSG.
PMPD 20 BBL FLO-CHEK, 10 BBL WATER, 650 SX CL "8" CMT PRE-
MIXED W/10#/SK GILSONITE, 1/4#/SK FLOCELE, 2% CACL2, FOLLOWED
BY 150 SX CL "8" CMT, PREMIXED W/2% CACL2. CIP @ 8 PM. GOOD
CMT RETURNS TO SURFACE. CMT DROPPED DN 8-5/8" X 16" ANNULUS.
CMTD W/48 SX CL "8" CMT PREMIXED W/2% CACL2. WOC. CUT OFF
CSG. INSTALLED 11" - 3000# X 8-5/8" CSGHEAD. TESTED WELD
TO 1000 PSI - D.K. RU BOPE ART.
- 05-26-84
2335'. (607'). 3D 3H. MW 8.5. VIS 28. DART.
RU BOPE. TEST BOPE TO 2000# - D.K. RIH W/BIT. CO CMT &
FC @ 1680' & SHOE @ 1728'. DRILLED 7-7/8" HOLE TO 2207'.
SURV. DRILLED 7-7/8" HOLE TO 2335'. DART.
FM: SS, SLTST.
SURVEY @ 2207' - 1-1/4 DEG.
- 05-27-84
3223'. (888'). 4D 3H. MW 8.6. VIS 29. DART.
DRILLED 7-7/8" HOLE. SERVICED RIG. DRILLED 7-7/8" HOLE TO
2670'. SURVEYED - NO GOOD. DRILLED 7-7/8" HOLE TO 2855'.
SURV. DRILLED 7-7/8" HOLE TO 3223'. DART.
FM: SLTST, SH.
SURVEYS: 2670' - N.G., 2855' - 1 DEG.
- 05-28-84
3852'. (629'). 5D 3H. MW 8.5. VIS 29. DART.
DRILLED 7-7/8" HOLE TO 3381'. SURV. DRILLED 7-7/8" HOLE TO
3852'. DART.
FM: SH, SS.
SURVEY: 3381' - 3/4 DEG.
- 05-29-84
4239'. (387'). 6D 3H. MW 8.6. VIS 29. DART.
DRILLED 7-7/8" HOLE. SERVICED RIG. DRILLED 7-7/8" HOLE TO
3881'. SURV. DRILLED 7-7/8" HOLE. CHECKED FOR WATER FLOW -
NO FLOW. DRILLED 7-7/8" HOLE TO 4220'. TRIP. CHGD BIT. LD
WASHED-OUT D.C. DRILLED 7-7/8" HOLE TO 4239'. DART.
FM: 80% SS, 20% RED SH.
SURVEY: 3881' - 1-1/4 DEG.
- 05-30-84
4910'. (671'). 7D 3H. MW 8.5. VIS 28. DART.
DRILLED 7-7/8" HOLE TO 4377'. SURVEYED & SERVICED RIG.
DRILLED 7-7/8" HOLE TO 4876'. SURVEYED. DRILLED 7-7/8" HOLE
TO 4910'. DART.
50% SH, 50% SLTST, SS STRINGERS.
SURVEYS: 4377' - 1-1/4 DEG, 4876' - 3/4 DEG.

*****CONTINUED*****
FIELD/PROSP ODYSSEUS PROSPECT

WELL NAME BARRY #1-33 FEDERAL
COUNTY NAME SAN JUAN CO., UTAH

- 05-31-84 5465'. (555'). 8D 3H. MW 8.7. VIS 28. DART.
- 05-31-84 DRILLED 7-7/8" HOLE. SERVICED RIG. DRILLED 7-7/8" HOLE TO 5369'. SURVEYED. DRILLED 7-7/8" HOLE TO 5465'. DART.
FM: 50% LS, 50% SH.
SURVEY @ 5369' - 1/2 DEG.
- 06-01-84 5789'. (324'). 9D 3 H. MW 9.0. VIS 34. DART.
DRILLED 7-7/8" HOLE. SERVICED RIG. DRILLED 7-7/8" HOLE TO 5559'. TRIP. CHGD BIT. LD WASHOUT IN DP (SLIP AREA).
DRILLED 7-7/8" HOLE TO 5789'. DART.
FM: LS, SH.
NO SURVEYS.
- 06-02-84 6063'. (274'). 10D 3H. MW 9.1. VIS 33. TART.
DRILLED 7-7/8" HOLE. SERVICED RIG. DRILLED 7-7/8" HOLE TO 5865'. SURVEYED. DRILLED 7-7/8" HOLE TO 6063'. CIRC
SAMPLES @ 6063'. TRIP. MEASURED OUT. PU CORE BARREL.
TART.
FM: 80% LS, 20% SH.
SURVEY @ 5865' - 1-1/4 DEG.
5918-5922' - 350 UNITS - 100% LS.
- 06-03-84 6154'. (91'). 11D 3H. MW 9.2. VIS 37. CART.
REPAIRED RIG. PU CORE BARREL. RIH W/CORE BARREL. CORED
6063-6124' (61'). POOH. SERVICED CORE BARREL. 100% REC.
RIH W/CORE BARREL. CORED 6124-54'. CART.
FM: LS, SH.
NO SURVEYS.
NO SHOWS.
- 06-04-84 6320'. (166'). 12D 3H. MW 9.6. VIS 40. DART.
CORED 6154-6158'. SERVICED RIG. TESTED BOPE. CORED 6158-
6185'. POOH. SERVICED CORE BARREL. 100% REC (62').
RIH W/BIT. DRILLED 7-7/8" HOLE TO 6320'. DART.
FM: 50% LS, 50% SH.
NO SURVEY.
SHOW @ 6224-28' - 350 UNITS.
- 06-05-84 6412' TD. (92'). 13D 3H. MW 9.6. VIS 39. POOH ART. PREP
TO LOG.
DRILLED 7-7/8" HOLE TO 6358'. SHOW 6350-6352' - 155 UNITS.
CIRC SAMPLES @ 6358'. TRIP FOR CORE BARREL. CORED 6358-
6412'. POOH. POOH ART. PREP TO LOG.
FM: LS, SH.
- 06-06-84 6412' TD. 14D 3H. WO PARTNERS' DECISION ART.
SERVICED CORE BARREL. REC 100%. RU SCHLUMBERGER. RAN FDC-
CNL-GR FROM 6412-1728'. RAN DIL-SFL-SONIC FROM 6412-1728'.
WO PARTNERS' DECISION ART.
- 06-07-84 6412' TD. 15D 3H. WELL P & A ART.
WO PARTNERS' DECISION. PULLED CMT TRUCKS TO LOCATION
(RAINING - MUDDY ROAD). PLUG #1: W/4-1/2" DP HUNG OE @
6410'. PMPD 275 SX CL "B" CMT, PREMIXED W/2% CACL2. CIP 4 PM
6/6/84. GOOD CIRC. EST FILL 5502'. PULLED 19 STDS. WOC.
RIH - LOCATED TOP OF CMT @ 5712'. LD DP. PLUG #2: W/4-1/2"
DP HUNG OE @ 1830'. PMPD 103 SX CL "8" CMT, PREMIXED W/2%
CACL2. CIP @ 10 PM 6/6/84. GOOD CIRC. EST FILL 1470'.
LD DP. RD BOPE. INSTALLED 30' CMT PLUG @ SURFACE. CUT OFF
CASING HEAD. WELDED ON STEEL PLATE & WELL MARKER. CLEANED
PITS. RIG RELEASED @ 6 AM 6/7/84. WELL P & A.

*****END OF REPORT*****

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

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

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.)

<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry Hole</u></p> <p>2. NAME OF OPERATOR <u>MCOR Oil and Gas Corporation</u></p> <p>3. ADDRESS OF OPERATOR <u>10880 Wilshire Blvd., Los Angeles, Ca. 90024</u></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>700' FSL & 1300' FWL (SW SW)</u></p>		<p>5. LEASE DESIGNATION AND SERIAL NO. <u>U-47204</u></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME <u>N/A</u></p> <p>7. UNIT AGREEMENT NAME <u>N/A</u></p> <p>8. FARM OR LEASE NAME <u>Barry Federal</u></p> <p>9. WELL NO. <u>#1-33</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Wildcat</u></p> <p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA <u>Sec. 33, T35S, R25E</u></p> <p>12. COUNTY OR PARISH 13. STATE <u>San Juan Utah</u></p>
<p>14. PERMIT NO. <u>43-037-31016</u></p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6508' GR</u></p>	

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.)*

1. Displaced hole with 9.6 ppg mud via drill pipe. Through drill pipe:
 - a. Spotted 275 sx Class B cmt, premixed w/2% CaCl₂ from 6410'5712'.
 - b. Spotted 103 sx Class B cmt, premixed w/2% CaCl₂ from 1830-1470'.
 - c. Spotted 30' cmt plug at surface.
2. Cut off 8-3/8" casing and welded on steel plate and well marker.
3. Fenced sump;
4. Location will be restored as outlined in "Multi-Point Surface Use and Operations Plan" and in stipulations attached to approve Application for Permit to Drill.

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

SIGNED J. F. Walton TITLE Manager - Operations DATE 6/21/84
J. F. Walton Western Region

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



June 21, 1984

Mr. R. J. Firth
Associate Director, Oil & Gas
State of Utah Natural Resources
4241 State Office Building
Salt Lake City, Utah 84114

Dear Mr. Firth:

Re: Barry #1-33 Federal
Sec. 33, T35S, R25E
San Juan County, Utah
API #43-037-31016



Enclosed is the Notice of Abandonment (Form 3160-5) and the Well Completion Report (Form 3160-4) for the referenced well.

The mud log, electrical logs and core analysis will be sent directly to you by the service companies.

Very truly yours,

MCOR OIL AND GAS CORPORATION

A. J. McNay
Manager - Drilling

AJMcN/ALS/als

Enc.

xc: F. H. Roth/MCOR-Houston

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION:
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. Other Abandonment

2. NAME OF OPERATOR
MCOR Oil and Gas Corporation

3. ADDRESS OF OPERATOR
10880 Wilshire Blvd., Los Angeles, Ca. 90024

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 700' FSL & 1300' FWL (SW SW)

At top prod interval reported below

At total depth

14. PERMIT NO. 43-037-31016 DATE ISSUED 5/15/84

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDDED 5/23/84 16. DATE T.D. REACHED 6/4/84 17. DATE COMPL. (Ready to prod.) 6/7/84 P & A 18. ELEVATIONS (DF, RNB, RT, GR, ETC.)* 6508' gr 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6412' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-6412' 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
RDC-CNL-GR, OIL-SEL, 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#	1728'	12-1/4"	650 sx Class B	0
				150 sx Class B	0
				48 sx Class B	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

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 & Abandoned

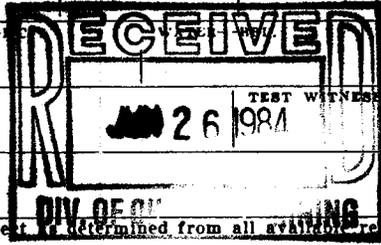
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

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 J. E. Walton TITLE Manager - Operations Western Region DATE 6/20/84



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

21

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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Upper Ismay	6072	6155'	Dry Cored 6053-6124'			
Lower Ismay	6230	6278'	" Cored 6124-6185'			
Upper Dst Crk	6318	6368'	" Cored 6358-6412'			
Lower Dst Crk	6368	6390'	"			
Chimney Rock Sh	6390	6410'	"			
Akah	6410	6412' TD	"			

RECEIVED

JUL 9 1984

DIVISION OF OIL
GAS & MINING

IGT

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

IGT
INTERMOUNTAIN GEC-TECH INC.
P. O. BOX 158
DELTA, COLORADO 81416
(303) 874-7762

MCOR OIL & GAS CORPORATION
BARRY #1-33 FEDERAL
SAN JUAN COUNTY, UTAH

JUNE 8, 1984

Intermountain Geo-Tech Unit #3 was on location and rigged up May 24, 1984. Coleman Drilling Rig #4 was in the process of setting surface casing. They drilled out from under the surface casing the evening of the 25th and cut 382 ft. by midnight. Unit #3 commenced logging catching 20 ft. samples in a fresh water drilling fluid system. Samples were very poor until they began to mud-up at 5500 ft. Drilling continued smoothly until the morning of the 29th when pump pressure was lost and a trip revealed a crack in the collars. Drilling resumed and continued until the morning of the 31st when pump pressure was again lost and a trip revealed a hole in the drilling pipe about 4500 ft. The consulting geologist arrived on location May 31st and the first core point was picked at 6063 ft. the morning of June 2nd. 61 ft of core was cut and 61 ft. recovered. They immediately resumed coring and cut core #2. 61 ft of core was cut and 60 ft. recovered. Drilling resumed until core #3 was cut in the Desert Creek. 6358 ft 54 ft. of core was cut and 54 ft. recovered. E logs were run and IGT Unit #3 was released June 6, 1984.

Jan Johnson
Geologist, IGT

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

TABLE OF CONTENTS

1. SUMMARY OF DAILY ACTIVITY	1
2. BIT RECORD SHEET	2
3. DEVIATION RECORD SHEET	3
4. DST AND SHOW SHEET	4-8
5. CORE DESCRIPTIONS	9-11
(1) COPY, FINAL MUD LOG (5"=100')	
(1) COPY, FINAL MUD LOG (2.5"=100')	

DRILLING CONTRACTOR: COLEMAN DRILLING RIG #4
FARMINGTON, NEW MEXICO

DRILLING FOREMAN: MR. DICK MEDLEY

PUSHER: MR. JOHN RICHARDSON

GEO TECHNOLOGISTS: MS. JAN A. JOHNSON
MR. TERRY DAoust
INTERMOUNTAIN GEO-TECH
DELTA, COLORADO 81416

DRILLING FLUID: MR. WADE MCELHANON
GEO DRILLING FLUIDS
CORTEZ, COLORADO

COREING: MR. DON SANDERS
CHRISTENSEN
FARMINGTON, NEW MEXICO

WIRE LINE LOGS: MS. SHELLY WILLIAMS
SCHLUMBERGER
FARMINGTON, NEW MEXICO

CONSULTING GEOLOGIST: MR. CONNIE KREVANICK

MCOR OIL AND GAS CORPORATION
 BARRY #1-33 FEDERAL
 SEC. 33, T35S, R25E SLM
 SAN JUAN COUNTY, UTAH

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
5/24/84	RIG UP, SET SURFACE CASING	-	-
5/25/84	COMMENCED LOGGING - DRLG	1728	382
5/26/84	DRLG	2110	925
5/27/84	DRLG	3035	667
5/28/84	DRLG	3702	514
5/29/84	DRLG, TRIP HOLE IN COLLARS DRLG	4216	544
5/30/84	DRLG	4760	566
5/31/84	DRLG TOH HOLE IN PIPE TTH DRLG	5326	381
6/01/84	DRLG	5707	333
6/02/84	DRLG, CORE #1	6040	83
6/03/84	CORE #2 DRLG	6123	136
6/04/84	DRLG TOH CORE #2	6259	141
6/05/84	DRLG CORE #3 RUN E LOGS	6400	12
6/06/84	UNIT #3 RELEASED	6412	-

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E S1M
SAN JUAN COUNTY, UTAH

BIT RECORD

BIT	MAKE	SIZE	TYPE	DEPTH OUT	FOOTAGE USED	HOURS
1	REED	12 $\frac{1}{4}$	FP 52	1728	1638	28 $\frac{1}{2}$
2	STC	7 7/8	F-27	4220	2492	73 $\frac{1}{2}$
3	STC	7 7/8	F-3	5589	1369	51
4	VAREL	7 7/8	V-547	6063	474	-
5	CHRIS	7 7/8	DIAMOND SC-276	6124	61	6 $\frac{1}{2}$
RR #5	CHRIS	7 7/8	DIAMOND SC-276	6185	61	9 $\frac{1}{2}$
RR #4	VAREL	7 7/8	V-547	6412	227	-

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

DEVIATION SHEET FOR WELL. . . .

DEPTH	DEVIATION (DEV)
2207'	$1\frac{1}{4}^{\circ}$
2855'	1°
3382	$\frac{3}{4}^{\circ}$
3881'	$1\frac{1}{4}^{\circ}$
4377'	$1\frac{1}{4}^{\circ}$
4876'	$\frac{3}{4}^{\circ}$
5369'	$\frac{1}{2}^{\circ}$
5866'	$1\frac{1}{4}^{\circ}$

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 1 INTERVAL 4638 TO 4650 DATE 5/29/84
 COMPANY: MCOR OIL AND GAS CORPORATION
 WELL: BARRY #1-33 FEDERAL
 FIELD:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
<u>DRILLING RATE</u>	2 min./ft.	.5min./ft.	2 min./ft.
<u>TOTAL GAS UNITS</u>	tr	185	tr
<u>%METHANE</u>	tr	1.3%	tr
<u>%ETHANE</u>	--	.2%	--
<u>%PROPANE</u>	--	tr	--
<u>%BUTANE (ISO)</u>	--	--	--
<u>%BUTANE (NORM)</u>	--	--	--
<u>%PENTANES</u>	--	--	--

SAMPLE LITHOLOGY: SS - CLR-LT GY SPEC QTZS VFGR SBRD WSRID SL CALC UNCONS

SAMPLE FLUO-CUT: NSFOC

DST #	INTERVAL	TIME Min.	TO		DATE
			PRESSURE (psi) Top Chart	Bottom Chart	

INITIAL HYDROSTATIC

INITIAL OPEN -----
 INITIAL SHUT-IN -----
 SECOND OPEN -----
 SECOND SHUT-IN -----

FINAL HYDROSTATIC

BHT (°F): _____
 1ST FLOW: _____
 2NE FLOW: _____
 REMARKS _____

DRILL PIPE RECOVERY: _____

SAMPLE CHAMBER REC:

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top: /	/	at . . . °F/	/	/	/
Middle: /	/	at . . . °F/	/	/	/
Bottom: /	/	at . . . °F/	/	/	/
SAMPLE CHMBR: /	/	at . . . °F/	/	/	/
PIT MUD: /	/	at . . . °F/	/	/	/

(GAUGED FLOW:)

GEO-TECHNOLOGIST: Jan Johnson

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 2 INTERVAL 4826 TO 4834 DATE 5/30/84
 COMPANY: MCOR OIL AND GAS CORPORATION
 WELL: BARRY #1-33 FEDERAL
 FIELD:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
<u>DRILLING RATE</u>	2.5 min./ft.	.5 min./ft.	2.5 min./ft.
<u>TOTAL GAS UNITS</u>	tr	152	tr
<u>%METHANE</u>	tr	3.9%	tr
<u>%ETHANE</u>	--	1.66%	--
<u>%PROPANE</u>	--	tr	--
<u>%BUTANE (ISO)</u>	--	tr	--
<u>%BUTANE (NORM)</u>	--	--	--
<u>%PENTANES</u>	--	--	--

SAMPLE LITHOLOGY: SS - LT GY, CLR, QTZS, VEGR, SBRD, WSRD, CALC, UNCONS

SAMPLE FLUO-CUT: NO FLUO OR CUT

DST #	INTERVAL	TIME Min.	TO	PRESSURE (psi)	DATE
			Top Chart		Bottom Chart

INITIAL HYDROSTATIC

INITIAL OPEN -----

INITIAL SHUT-IN -----

SECOND OPEN -----

SECOND SHUT-IN -----

FINAL HYDROSTATIC

BHT (°F): _____

1ST FLOW: _____

2NE FLOW: _____

REMARKS _____

DRILL PIPE RECOVERY: _____

SAMPLE CHAMBER REC: _____

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top: /	/	at . . . °F/	/	/	/
Middle: /	/	at . . . °F/	/	/	/
Bottom: /	/	at . . . °F/	/	/	/
SAMPLE CHMBR: /	/	at . . . °F/	/	/	/
PIT MUD: /	/	at . . . °F/	/	/	/

(GAUGED FLOW:)

GEO-TECHNOLOGIST: Jan Johnson

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 3 INTERVAL 5668
 COMPANY: MCOR OIL AND GAS CORPORATION
 WELL: BARRY #1-33 FEDERAL
 FIELD:

TO 5674

DATE 5/31/84

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	3 min./ft.	2 min./ft.	3 min./ft.
TOTAL GAS UNITS	tr	110	tr
%METHANE	tr	1.8%	tr
%ETHANE	--	--	--
%PROPANE			
%BUTANE (ISO)			
%BUTANE (NORM)			
%PENTANES			

SAMPLE LITHOLOGY: LS - WH LT GY CRPXL FOS IP OCC OOL CLN TT

SAMPLE FLUO-CUT: NSFOC

DST #	INTERVAL	TIME Min.	TO Top Chart	PRESSURE (psi)		DATE
					Bottom Chart	

FINAL HYDROSTATIC

BHT (°F): _____

1ST FLOW: _____

2NE FLOW: _____

REMARKS _____

DRILL PIPE RECOVERY: _____

SAMPLE CHAMBER REC: _____

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top:	/	/ at . . . °F/	/	/	/
Middle:	/	/ at . . . °F/	/	/	/
Bottom:	/	/ at . . . °F/	/	/	/
SAMPLE CHMBR:	/	/ at . . . °F/	/	/	/
PIT MUD:	/	/ at . . . °F/	/	/	/
(GAUGED FLOW:)					

GEO-TECHNOLOGIST: Jan Johnson

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 4 INTERVAL 5918
 COMPANY: MCOR OIL AND GAS CORPORATION
 WELL: BARRY #1-33 FEDERAL
 FIELD:

TO 5922

DATE 6/1/84

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE	4 min./ft.	2.5 min./ft.	4 min./ft.
TOTAL GAS UNITS	tr	350	tr
%METHANE	tr	4.6	tr
%ETHANE	--	.83	--
%PROPANE	--	--	--
%BUTANE (ISO)	--	--	--
%BUTANE (NORM)	--	--	--
%PENTANES	--	--	--

SAMPLE LITHOLOGY: LS - WH-TAN-GY MICXL FOS IP OCC SLTY TT

SAMPLE FLUO-CUT: NSFOC

DST #	INTERVAL	TIME Min.	TO		DATE
			Top Chart	Pressure (psi)	

INITIAL HYDROSTATIC

INITIAL OPEN -----

INITIAL SHUT-IN -----

SECOND OPEN -----

SECOND SHUT-IN -----

FINAL HYDROSTATIC

BHT (°F): _____

1ST FLOW: _____

2NE FLOW: _____

REMARKS _____

DRILL PIPE RECOVERY: _____

SAMPLE CHAMBER REC: _____

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top: /	/	at . . . °F/	/	/	/
Middle: /	/	at . . . °F/	/	/	/
Bottom: /	/	at . . . °F/	/	/	/
SAMPLE CHMBR: /	/	at . . . °F/	/	/	/
PIT MUD: /	/	at . . . °F/	/	/	/

(GAUGED FLOW:)

GEO-TECHNOLOGIST: Jan Johnson

Intermountain GEO TECH
DST & SHOW SHEET

SHOW # 5 INTERVAL 6224 TO 6228 DATE 6/3/84
 COMPANY: MCOR OIL AND GAS CORPORATION
 WELL: BARRY #1-33 FEDERAL
 FIELD:

	BEFORE SHOW	DURING SHOW	AFTER SHOW
<u>DRILLING RATE</u>	4 min./ft.	3.5 min./ft.	5 min./ft.
<u>TOTAL GAS UNITS</u>	tr	350	tr
<u>%METHANE</u>	tr	5.2%	tr
<u>%ETHANE</u>	--	.95%	--
<u>%PROPANE</u>	--	.15%	--
<u>%BUTANE (ISO)</u>	--	--	--
<u>%BUTANE (NORM)</u>	--	--	--
<u>%PENTANES</u>	--	--	--

SAMPLE LITHOLOGY: LS - LT-M GY CRPXL FCS IP OCC SLTY TT

SAMPLE FLUO-CUT: NSFOC

DST #	INTERVAL	TIME Min.	TO		DATE
			PRESSURE (psi) Top Chart	Bottom Chart	
<u>INITIAL HYDROSTATIC</u>					
<u>INITIAL OPEN</u> -----					
<u>INITIAL SHUT-IN</u> -----					
<u>SECOND OPEN</u> -----					
<u>SECOND SHUT-IN</u> -----					

FINAL HYDROSTATIC

BHT (°F): _____

1ST FLOW: _____

2NE FLOW: _____

REMARKS _____

DRILL PIPE RECOVERY: _____

SAMPLE CHAMBER REC: _____

	WT ppg	R/W	NITRATES ppm	CHLORIDES ppm	CHROMATES ppm
Drill Pipe: Top:	/	/	at°F/	/	/
Middle:	/	/	at°F/	/	/
Bottom:	/	/	at°F/	/	/
SAMPLE CHMR:	/	/	at°F/	/	/
PIT MUD:	/	/	at°F/	/	/

(GAUGED FLOW:)

GEO-TECHNOLOGIST: Jan Johnson

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

CORE #1 6063' to 6124' DRILLED 61' RECOVERED 61'

DEPTH	SAMPLE DESCRIPTION
6064 - 6075	SH, DK GY - BLK, LIMEY (CALC)
6075 - 6076	LS - GY BRN, DENSE
6076 - 6078	ANHY - WH, MODULAR
6079 - 6083	SH - BLK (W/ANHY A/A)
6083 - 6086	ANHY - WH, MODULAR
6086 - 6088	SH - BLK FISSILE
6088 - 6102	LS - GY - CLR - FXLN
6102 - 6111	LS - GY - CLR - FXLN
6111 - 6116	SH, TAN
6116 - 6117	SH, TAN ODOR, SPOTTY FLOR
6117 - 6123	SH, TAN, STYLOLITE IP
6123 - 6124	LS, GY, CXL, DNS, FDS, PELLETICOIDAL

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

CORE #2 6124' to 6185', Cut 61', Recovered 60'

DEPTH	SAMPLE DESCRIPTION
6124 - 6132	LS,GY,DNS,ANY INCL
6132 - 6145	LS,TAN DNS,FOSS ANY W/DLIC NOD & CLASTS
6145 - 6149	LS,CY BRN, DNS
6149 - 6150	LS,GY,SHLY
6150 - 6185	SH,BLK,FIS DOLIC SOOTY

MCOR OIL AND GAS CORPORATION
BARRY #1-33 FEDERAL
SEC. 33, T35S, R25E SLM
SAN JUAN COUNTY, UTAH

CORE #3 6358' to 6412', Cut 54', Recovered 54'

DEPTH	SAMPLE DESCRIPTION
6358 - 6363	SH, BLK, FIS, CALC
6363 - 6366	SH, BLK, DOLOMITIC
6366 - 6368	DOL, GY DNS
6368 - 6372	ANHY, WH
6372 - 6380	DOL, DKBLK-BRN, EARTHY
6380 - 6387	DOL, DKBRN, BLK, SHLY
6387 - 6389	LS, GY, DOLOMITIC, CRPXLN
6389 - 6402	SH, BLK, FIS, LMY, SOOTY
6402 - 6406	SH, BLK, BLKY
6406 - 6409	SH, GY, LMY
6409 - 6412	LS, GY, SL DOLOMITIC, SHALY