



POWERS ELEVATION

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

September 27, 1982

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 Corporation
#1-20 Federal
SW NE Sec. 20 T37S R24E
2060' FNL & 2100' 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 Ten-Point Compliance Program, and the Blowout Preventer Diagram for the above-referenced well location.

Please return the approved copies to:

Mr. Stuart Henderson
MCOR Oil & Gas Corporation
Jamestown Office Park
Suite 250E
3033 Northwest 63rd
Oklahoma City, Oklahoma 73116

Very truly yours,

POWERS ELEVATION

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

CLF:k1e
Enclosures

cc: Mr. Stuart Henderson

MCOR Oil and Gas Corporation
Well No. 1-20
Section 20, T.37S., R.24E.
San Juan County, Utah
Lease U-20544

Supplemental Stipulations

- 1) To insure that nearby archaeological walls are not destroyed, blasting will be prohibited on the well pad.

- 2) Adequate and sufficient electric/radioactive logs will be run to locate and identify the 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 saline minerals resource. Surface casing program may required adjustment for protection of fresh water aquifers.

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.

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 and Gas Corporation

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

4. LOCATION OF WELL (Report location clearly, and in accordance with any State requirements.)
At surface: 2060' FNL & 2100' FEL (SW NE)
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Location is 22.7 miles east of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
2060'

16. NO. OF ACRES IN LEASE
2400

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
6000'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5649' GR

22. APPROX. DATE WORK WILL START*
November 15, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" New	24# K-55 ST&C	1500'	450 sx "Light" w/2% CaCl ₂ + additive
7 7/8"	4 1/2" New	10.5# K-55 ST&C	6000'	450 sx 50/50 poz mix + 10% Na + 0.75% CFR-2.

1. Drill 12 1/4" hole and set 8 5/8" surface casing to 1500' with good returns.
2. Log B.O.P. checks in daily drill reports and drill 7 7/8" hole to 6000'.
3. Run tests if warranted and run 4 1/2" casing if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for 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 Grant W. Henderson TITLE District Drlg. Manager DATE 9/20/82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10-5-82
BY: Thomson E. Storch

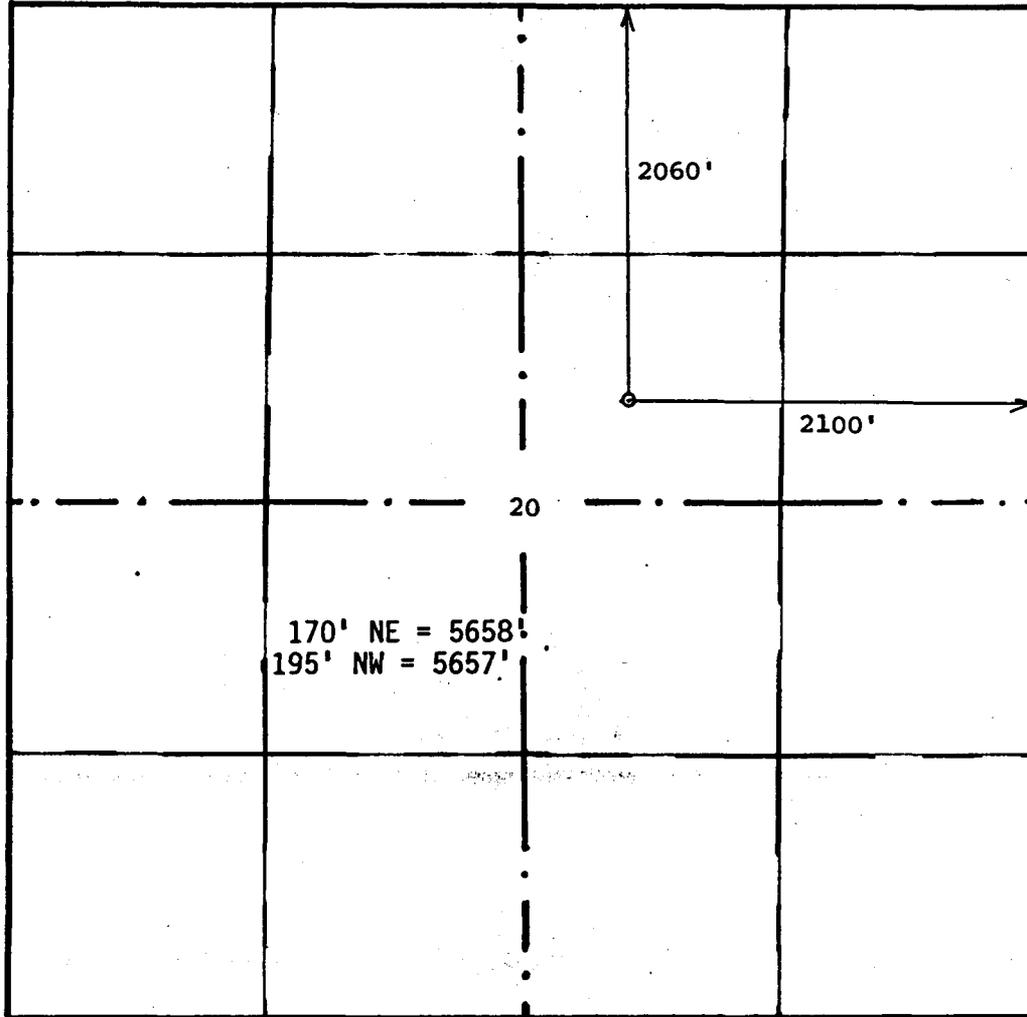
5. LEASE DESIGNATION AND SERIAL NO.
U-20544 ✓
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A
7. UNIT AGREEMENT NAME
N/A
8. FARM OR LEASE NAME
Federal ✓
9. WELL NO.
1-20 ✓
10. FIELD AND POOL, OR WILDCAT
~~Deadman Canyon~~ WILDCAT
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20 T37S R24E ✓
12. COUNTY OR PARISH
San Juan ✓
13. STATE
Utah

DESERT CANYON

EXHIBIT "A"
Location and Elevation Plat



POWERS ELEVATION



1"=1000'

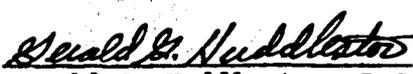
Operator MCOR Oil & Gas		Well name 1-20 Federal	
Section 20	Township 37 South	Range 24 East	Meridian Salt Lake
Footages 2060' from the North & 2100' from the East		County/State San Juan, Utah	
Elevation 5649'	Requested by Stuart Henderson		
The above plat is true and correct to the best of my knowledge and belief.			
14 Sept. 1982		 Gerald G. Huddleston, L.S. Utah Exception	

EXHIBIT "B"
TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
 MCOR Oil and Gas Corporation
 1-20 Federal
 SW NE Sec. 20 T37S R24E
 2060' FNL & 2100' FEL
 San Juan County, Utah

1. The Geologic Surface Formation

The surface formation is the Morrison.

2. Estimated Tops of Important Geologic Markers

Hermosa	4713'
Paradox	5572'
Upper Ismay	5606'
Desert Creek	5846'
Total Depth	6000'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Hermosa	2100'	Water
Upper Ismay	5600'	Oil and gas
Desert Creek	5840'	Oil and gas

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
12 1/4"	0-1500'	1500'	8 5/8"	24# K-55 ST&C	New
7 7/8"	0-6000'	6000'	4 1/2"	10.5# K-55 ST&C	New

Cement Program -

Surface Casing: 450 sacks "Light" with 2% CaCl₂ and 1/4# cello-flakes per sack, followed by 300 sacks Class "B" with 2% CaCl₂ and 1/4# cello-flakes per sack.

Production Casing: 450 sacks 50/50 poz mix with 10% salt and 0.75% CFR-2.

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.

Accessories to BOP will include an upper 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>	<u>Ph</u>
0-1500'	Spud (Gel/Lime)	8.6-9.0	28-30	NC	8.0
1500'- 5000'	Low Solids	8.8-9.1	35-45	NC	9.0-9.5
5000'- 6000'	Gel Chemical	9.0-11.0	45 Increase to 5.5 secs. before logging	NC	10-10.5

7. The Auxiliary Equipment to be Used

- (a) An upper kelly cock will be kept in the string.
- (b) A float will not be used at the bit.
- (c) Both a mud logging unit and gas detecting device will be monitoring the system.

OPERATOR MEOR Oil & Gas Corp. DATE 10-1-82

WELL NAME Sec. 1-20

SEC SW NE 20 T 37S R 24E COUNTY San Juan

43-037-30822
API NUMBER

Sec.
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

No nearby wells

RJF. ✓

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION *FED*

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

~~c-3-b~~

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

POTASH - NO

October 5, 1982

MCOR Oil and Gas Company
James Office Park, Suite 250E
3033 Northwest 63rd
Oklahoma City, Oklahoma 73116

RE: Well No. Federal 1-20
SWNE Sec. 20, T.37S, R.24E
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 Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

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

RONALD J. FIRTH - Engineer
Office: 533-5771
Home: 571-6068

OR

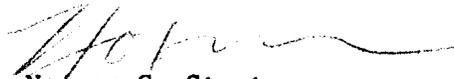
CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

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 43-037-30822.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/as
cc: Minerals Management Service
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL & GAS OPERATIONS
RECEIVED

SEP 23 1982

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 and Gas Corporation

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 2060' FNL & 2100' FEL (SW NE)
 At proposed prod. zone
 Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Location is 22.7 miles east of Blanding, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2060'

16. NO. OF ACRES IN LEASE 2400

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 6000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5649' GR

22. APPROX. DATE WORK WILL START* November 15, 1982

5. LEASE DESIGNATION U-20544

6. IF INDIAN, ALLOTTEE OR TRUST LAND N/A

7. UNIT AGREEMENT STATE NAME CITY, UTAH N/A

8. FARM OR LEASE NAME Federal

9. WELL NO. 1-20

10. FIELD AND POOL, OR WILDCAT Deadman Canyon

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20 T37S R24E

12. COUNTY OR PARISH San Juan

13. STATE Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" New	24# K-55 ST&C	1500'	450 sx "Light" w/2% CaCl ₂ + additive
7 7/8"	4 1/2" New	10.5# K-55 ST&C	6000'	450 sx 50/50 poz mix + 10% Na + 0.75% CFR-2.

1. Drill 12 1/4" hole and set 8 5/8" surface casing to 1500' with good returns.
2. Log B.O.P. checks in daily drill reports and drill 7 7/8" hole to 6000'.
3. Run tests if warranted and run 4 1/2" casing if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

RECEIVED

OCT 26 1982

DIVISION OF
OIL, GAS & MINING

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "C" The Blowout Preventer Diagram
- "D" The Multi-Point Requirements for 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 [Signature] TITLE District Drlg. Manager DATE 9/20/82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] E. W. Guynn
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE District Oil & Gas Supervisor DATE OCT 25 1982

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

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

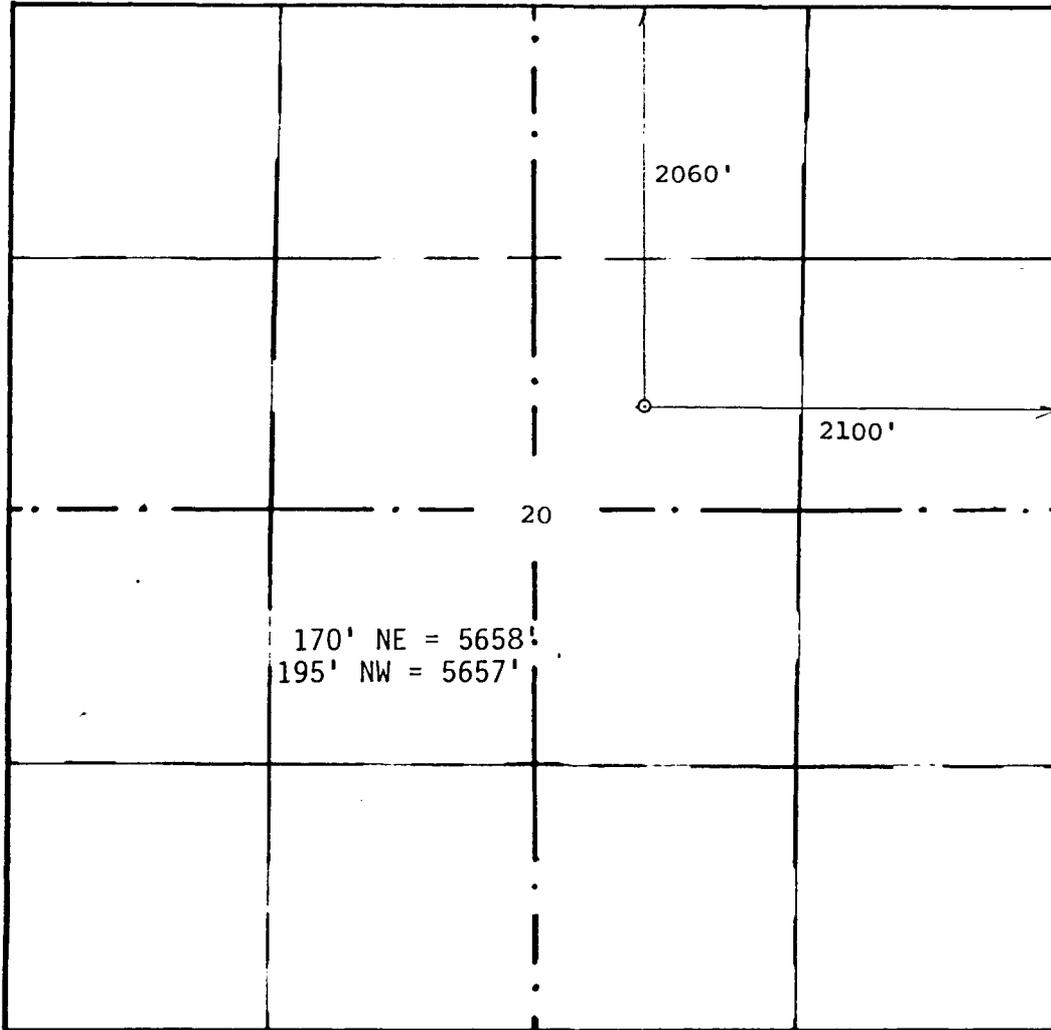
STATE O & G



POWERS ELEVATION



1"=1000'



Operator MCOR Oil & Gas		Well name 1-20 Federal	
Section 20	Township 37 South	Range 24 East	Meridian Salt Lake
Footages 2060' from the North & 2100' from the East			County/State San Juan, Utah
Elevation 5649'	Requested by Stuart Henderson		
<p>The above plat is true and correct to the best of my knowledge and belief.</p> <p>14 Sept. 1982</p> <p style="text-align: center;"><i>Gerald G. Huddleston</i> Gerald G. Huddleston, L.S. Utah Exception</p>			

- (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) A Drill Stem Test will be run in the Ismay (5600'-5800') and Desert Creek (5840'-6000') formations.
- (b) The logging program will consist of the following:

Dual Induction/SFL with GR	TD to surface casing
Compensation Neutron Litho-Density with GR	TD to 5500'
Cyberlook	TD to 5500'
- (c) Coring is anticipated through the Upper Ismay (5600'-5720') and Lower Desert Creek (5840'-5960').
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted for approval prior to start of completion operations.

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 2600 psi.

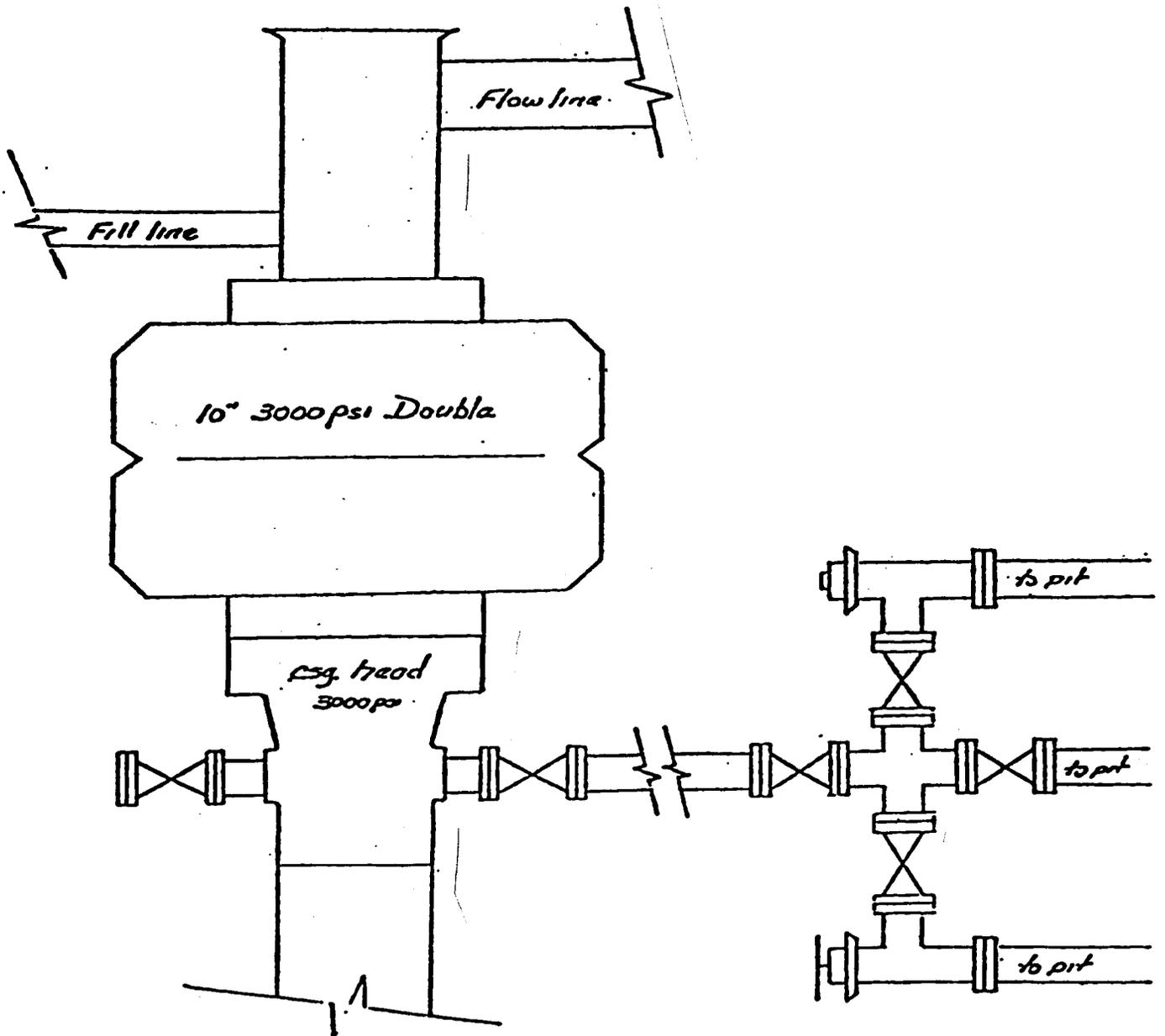
No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for November 15, 1982, or as soon as possible after examination and approval of drilling requirements. Operations will cover 15 days for drilling and 20 days for completion.

EXHIBIT "C"

The Blowout Preventer Diagram



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

Lease No. U-20544 MAP.
Communitization Agreement No. _____
Field Name Wildcat
Unit Name N/A
Participating Area N/A
County San Juan State Utah
Operator MCOR Oil & Gas Corporation
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of February, 1983

(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. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
1-20 Federal	Sec. 20 SW-NE	37S	24E	Drlg.	0	0	0	0	<p style="text-align: center; font-size: 2em; opacity: 0.5;">Confidential</p> <p>Spudded well 0730 Hrs., 2/20/83, drld to TD 6208', Cemented plugs as required, released rig 2000 Hrs. 3/14/83, Plugged & Abandoned. Drlg. Contractor Arapahoe Drlg. Co., Rig #2, P.O. Box 26687, Albuquerque, N.M. 87125.</p>

*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, Suite 250, Okla. City,
Title: Admin. Asst. 3/17/83 Page 1 of 1 73116

ORAL APPROVAL TO PLUG AND ABANDON WELL

Operator MCOR Oil & Gas Co. Representative Stuart Henderson

Well No. 1-20 Location SW 1/4 NE 1/4 Section 20 Township 37S Range 24E

County San Juan Field Wildcat State Utah

Unit Name and Required Depth _____ Base of fresh water sands _____

T.D. 6208' Size hole and Fill per sack _____ " _____ ' and Top 10.2 #/gal. _____ ' _____

Casing Size	Set At	Top of Cement	To Be Pulled	Plugging Requirements		
				From	To	Sacks Cement
<u>8 5/8</u>	<u>1519'</u>	<u>Surface</u>		<u>5900'</u>	<u>5700'</u>	<u>As necessary</u>
				<u>3800'</u>	<u>3600'</u>	<u>As necessary</u>
<u>Formation</u>	<u>Top</u>	<u>Base</u>	<u>Shows</u>	<u>1700'</u>	<u>1500'</u>	<u>As necessary</u>
<u>Chinle Shale</u>	<u>1900'</u>			<u>At surface w/marker</u>		<u>10 Sacks</u>
<u>Shinurump</u>	<u>2600'</u>					
<u>Cutler</u>	<u>2700'</u>			<u>Drilling mud between plugs.</u>		
<u>Hermosa</u>	<u>4764'</u>					
<u>Ismay</u>	<u>5806'</u>					
<u>Upper Desert Ck.</u>	<u>6085'</u>					

REMARKS

DST's, lost circulation zones, water zones, etc., _____

Core No. 1 - 5829'-5889'

Dst. No. 11 - 5906' - 5949'

Core No. 2 - 5889'-5949'

Core No. 3 - 5075' - 6135'

Approved by R. J. Firth Date 3-14-83 Time _____ a.m.
p.m.

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. 63, Suite 250
Oklahoma City, Okla. 73116

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2060' FNL & 2100' FEL (SW-NE)
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-20544
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	Federal
9. WELL NO.	1-20
10. FIELD OR WILDCAT NAME	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 20, T37S, R24E
12. COUNTY OR PARISH	San Juan
13. STATE	Utah
14. API NO.	43-037-30822
15. ELEVATIONS (SHOW DF, KDB, AND WD)	5649 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.)*

- Displace hole with 10.2 ppg mud via drill pipe. Through drill pipe:
 - Spot 55 sacks of Class 'B' cement from 5900' back to 5700'.
 - Spot 55 sacks of Class 'B' cement from 3800' back to 3600'.
 - Spot 55 sacks of Class 'B' cement from 1700' back to 1500'.
 - Spot 10 sacks of Class 'B' cement from 30' back to surface.
- Cut off 8-5/8" casing and weld on steel plate. Erect a dry hole marker.
- Restore location as outlined in "Multi-Point Surface Use and Operations Plan" and in stipulations attached to approve Application for 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 15, 1983

(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**

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: 2060' FNL & 2100' FEL (SW-NE)
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 checked="" type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
U-20544

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal

9. WELL NO. 1-20

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 20, T37S, R24E

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.
43-037-30822

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5649 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.)*

The subject well reached total depth of 6208' on 3-13-83 and was abandoned on 3-14-83 using the following procedure:

1. The hole was displaced with 10.2 ppg mud and cement plugs were set as follows:
 - a. 55 sacks from 5900 back to 5700'.
 - b. 55 sacks from 3800 back to 3600'.
 - c. 55 sacks from 1700 back to 1500'.
 - d. 10 sacks from 30' back to surface.
2. The 8-5/8" surface casing was cut off, a steel plate welded on, and dry hole marker erected.
3. Restoration of the location will begin approximately May 1, 1983, as provided in the "Multi-Point Surface Use and Operations Plan" & the Permit to Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft. Drill.

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

SIGNED [Signature] TITLE Admin. Asst. DATE March 15, 1983

(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

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R-55.5

5. LEASE DESIGNATION AND SERIAL NO.

U-20544

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-20

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 20, T37S, R24E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other 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 2060' FNL & 2100' FEL (SW-NE)
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-037-30822
DATE ISSUED 10-5-82

12. COUNTY OR PARISH San Juan
13. STATE Utah

15. DATE SPICEDD 2-20-83
16. DATE T.D. REACHED 3-13-83
17. DATE COMPL. (Ready to prod.) 3-14-83 P & A
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5649 GR
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6208'
21. PLUG, BACK T.D., MD & TVD surface
22. IF MULTIPLE COMPL. HOW MANY*
23. INTERVALS DRILLED BY
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
N/A

ROTARY TOOLS 0-6208
CABLE TOOLS

25. WAS DIRECTIONAL SURVEY MADE
no

26. TYPE ELECTRIC AND OTHER LOGS RUN
OIL/SFL, CNL/FDC, BHC/Sonic, Dipmeter
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#	1509'	12-1/4"	750 sacks	0

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

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

33.* PRODUCTION

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

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

FLOW, TUBING PRESS., CASINO 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 March 15, 1983

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Cutler	2700	2711	Tite, no flow		2600
Upper Ismay	5806	5988	Core #1 5829 - 5889' Rec. 60', no shows.	Upper Hermosa-	2700
			Core #2 5889 - 5949' Rec. 60', wet	Honaker Trail	4764
			DST #1 5906 - 5949', no water cushion, open 15 min., SI 60, open 120, SI 240 min., IFP 53 - 106, ISIP 2350, FFP 106 - 290, FSIP 2350, recovered 180' SWCM & 320' muddy saltwater.	Upper Ismay	5806
				Hovenweep Shale	5990
				Lower Ismay	6016
				Gothic Shale	6058
				Upper Desert	6085
				Creek	6085
				Lower Desert	6136
Desert Creek	6085	6113	Core #3 6148 - 6208 Rec. 60', no shows.	Creek	6136
				Chimney Rock Sh.	6155

FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Federal #1-20 U-20544
 Operator MCOR Oil & Gas Corporation Address 3033 N.W. 63, Okla. City, Okla. 73116
 Contractor Arapahoe Drilling Co. Address P. O. Box 26687, Albuquerque, NM 87125
 Location SW 1/4 NE 1/4 Sec. 20 T. 37S R. 24E 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.	2700	2711	None	
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops 1) 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, DIVISION OF

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: 2060' FNL & 2100' FEL (SW-NE)
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
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

-
-
-
-
-
-
-
-

(other) Location Restoration

5. LEASE	U-20544
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	N/A
7. UNIT AGREEMENT NAME	N/A
8. FARM OR LEASE NAME	Federal
9. WELL NO.	1-20
10. FIELD OR WILDCAT NAME	Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Sec. 20, T37S, R24E
12. COUNTY OR PARISH	San Juan
13. STATE	Utah
14. API NO.	43-037-30822
15. ELEVATIONS (SHOW DF, KDB, AND WD)	5649 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.)*

Moved Perry McDonald Const. Co. to location 9-16-83 to begin restoring location. Filled reserve pit, restored location and road, completed 9-29-83.

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 Oct. 28, 1983

(This space for Federal or State office use)

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