

STATE OF COLORADO
OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES

RECEIVED

MAR 29 1983

File in duplicate for Patented and Federal lands.
File in triplicate for State lands.

5. LEASE DESIGNATION & SERIAL NO.

COLO. OIL & GAS CONS. COMM.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Amoco Production Company

8. FARM OR LEASE NAME

Poncho Unit

3. ADDRESS OF OPERATOR

P.O. Box 39200 Denver, CO 80239

9. WELL NO.

#6

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

At surface

140 FSL & W of center of NWNE Sec 34

10. FIELD AND POOL, OR WILDCAT

Poncho

At proposed prod. zone

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

Sec 34-3S-59W

14. PERMIT NO.

71783

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

5074 KB

12. COUNTY

Adams

13. STATE

CO

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

MULTIPLE COMPLETE

ABANDON

CHANGE PLANS:

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

18. Date of work

* Must be accompanied by a cement verification report.

Well is currently shut-in and being evaluated for status of Disposal Well.

DVR	
FJP	
HMM	
JAM	
RCC	
LAR	<input checked="" type="checkbox"/>
GCM	

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

SIGNED

G. R. West / SRS

TITLE

DISTRICT ADMINISTRATIVE SUPERVISOR

DATE

3/25/83

(This space for Federal or State office use)

DIRECTOR

APPROVED BY

M. Rogers

TITLE

O & G Cons. Comm.

DATE

MAR 30 1983

CONDITIONS OF APPROVAL, IF ANY:

OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF NATURAL RESOURCES OF THE STATE OF COLORADO

File in duplicate for Patented and Federal lands.
File in triplicate for State lands.

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FEB 15 1979

COLO. OIL & GAS CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water Disposal		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Amoco Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR PO BOX 39200 - Denver Colo 80239		7. UNIT AGREEMENT NAME Poncho J Sand UT	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 140'S & W of Center of <u>Nw NE SEC34</u> At proposed prod. zone		8. FARM OR LEASE NAME	
14. PERMIT NO. 71 783		9. WELL NO. 6	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074 KB		10. FIELD AND POOL, OR WILDCAT Poncho	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 34 3S R59W	
		12. COUNTY Adams	13. STATE Colo

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Name change

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT ☐

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

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

Date of work 10-1-78

Formerly known as the Colo 34-3-59 Well #6. Unitized 10-1-78

DVR	
FJP	
HWM	
JAM	
JJD	
RTS	
COM	

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

SIGNED

RR Beck

TITLE

Dist Admin Supervisor

DATE

2-7-79

(This space for Federal or State office use)

APPROVED BY

W Rogers

TITLE

DIRECTOR

U S O CONS. COMM.

DATE

FEB 20 1979

CONDITIONS OF APPROVAL, IF ANY:

X

JOHN A. LOVE
Governor



C. J. KUIPER
State Engineer

DIVISION OF WATER RESOURCES

Department of Natural Resources
101 Columbine Building
1845 Sherman Street
Denver, Colorado 80203

March 16, 1972

RECEIVED

MAR 20 1972

COLORADO OIL & GAS CONSERVATION COMMISSION

Mr. D. V. Rogers, Director
Oil & Gas Conservation Commission
Room 237, 1845 Sherman Street
Denver, Colorado 80203

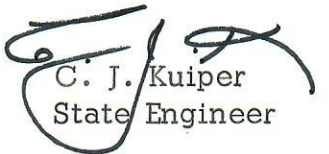
Re: Conversion of dry hole to water
disposal service.
Midwest Oil Corporation
Colorado 39-3-59 #6
NW NE Sec. 34 T3S R59W
Adams County, Colorado
Poncho Field

Dear Mr. Rogers:

Reference is made to our conversation regarding subject disposal well by Midwest Oil Corporation, Poncho Field. We have had an opportunity to review the proposal as submitted to you on March 2, 1972. On the basis of the proposed completion program for the well, the fact that the Foxhills sandstone is protected behind the surface pipe, and, finally, that the water is to be returned to the formation from when it came, the J sand formation, below 6000 feet, we would certainly concur in that as being a proper means of disposing of this oil field waste and would recommend your approval.

Very truly yours,

CJK/WRS:grl


C. J. Kuiper
State Engineer

To **Mr. D. S. V. Rogers; Director**
Oil & Gas Conservation Commission
1845 Sherman Street
Denver, Colorado

Colorado Department of Health
4210 East 11th Ave., Denver, Colorado 80220
Phone 388-6111

SUBJECT "J" Sand Disposal Well

REFER TO Midwest Oil Corp.
NW NE Sec. 34-T3S-R50W
Adams County, Colo.
Poncho Field

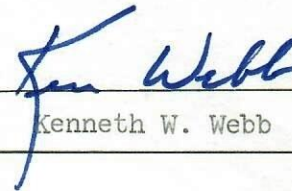
DATE 3/14/72

MESSAGE

This Division has no objections to the above application, providing you are satisfied with the construction details.

Thank you.

SIGNED


Kenneth W. Webb

REPLY

TO

DATE

SIGNED

RECIPIENT: REPLY ON WHITE COPY — RETAIN PINK COPY

March 9, 1972

Midwest Oil Corporation
1700 Broadway
Denver, Colorado 80202

Attn: Mr. Oscar E. Swan

Gentlemen:

Your application for the conversion of the Colorado 39-3-59 No. 6 well to a water disposal well has been reviewed by the staff and is hereby approved. The State Engineer's Office and the Water Pollution Control Commission have given their approval also. We have received no objection to your plan. Under the authority granted to me by the Commission, no hearing will be required and you may proceed according to the plan outlined in your application.

Please file OGCC Form 4, Sundry Notices, after the conversion has been completed, listing all details for the conversion. Once injection has commenced, file OGCC Form 14 monthly with the first one showing the date of initial injection.

Very truly yours,

OIL AND GAS CONSERVATION COMMISSION

Douglas V. Rogers
Director

DVR:sp

MIDWEST OIL CORPORATION

1700 BROADWAY

DENVER, COLORADO 80202

March 2, 1972

OSCAR E. SWAN
LEGAL COUNSEL

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MAR 8 1972

COLORADO OIL & GAS

Mr. D. V. Rogers, Director
Oil and Gas Conservation Commission
State of Colorado
Room 237 - 1845 Sherman Street
Denver, Colorado 80203

Re: Conversion of dry hole to
water disposal service.
Midwest Oil Corporation
Colorado 39-3-59 #6
NW NE Sec. 34-T3S-R59W
Adams County, Colorado
Poncho Field

Gentlemen:

Supplementing our letter of February 15, 1972, Midwest Oil Corporation hereby formally applies for permission to dispose of water produced from the J sand formation from its well Colorado 39-3-59 #5 into its Colorado 39-3-59 #6 well on the same lease. There is attached hereto the following:

A plat showing the location of the proposed disposal well and showing the location of all oil and gas wells including abandoned wells and dry holes, the names of owners of record including surface owners within one-half mile of the proposed disposal well, and also the location and depth of domestic and irrigation wells within a two-mile radius of the proposed disposal well.

A copy of all plats and specifications for the system and its appurtenances.

The location of the proposed disposal well.

A description of the proposed casing program and the proposed method of testing casing before use of the disposal well.

Colorado Oil and Gas
Conservation Commission
Page 2
March 2, 1972

RECEIVED

MAR 3 1972

COLORADO OIL & GAS CONSERV. COMM.

In further support of this application, Midwest Oil Corporation states as follows:

The formation into which the water is proposed to be injected is the J sand formation found in the disposal well at a depth of 6094' to 6217'. This interval is at a subsea depth of -1020' which is, we believe, below the subsea top of the J sand in any other producing well within one-half mile of the disposal well.

The source of the water to be injected is the J sand formation. It is produced from the Colorado 39-3-59 #5 and an analysis of the produced water is also attached to this application. The amount of water which will initially be injected will be approximately 270 barrels per day. It is anticipated as the field continues to produce that this amount will increase, but we now believe the maximum amount which will be injected will be approximately 1,000 barrels per day and based upon Midwest's experience with disposal wells at the nearby Middlemist field we believe that injection pressures will be nominal, certainly far below fracturing pressure of the disposal formation.

Although at the present time it is not anticipated that water produced by other wells in the Poncho field will be injected into this disposal well, the well will be made available to other operators upon reasonable terms and conditions, and we would like to have permission to make it available to other operators with the understanding that no water will be disposed of into the disposal well except J sand water from wells in the Poncho field. Since the produced water represents only a fraction of the floods being produced from the J sand in the Poncho field, it will not increase the volumes of the flood in the reservoir nor will it increase or even maintain pressure in the J sand formation except perhaps in the immediate vicinity of the well bore and it cannot, in our opinion, be considered a waterflood or secondary recovery operation.

A copy of this application has been sent by certified mail to the following persons and organizations who according to our

Colorado Oil and Gas
Conservation Commission
Page 3
March 2, 1972

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MAR 3 1972

COLORADO OIL & GAS CONSERVATION COMMISSION

information own surface acreage or oil and gas leases within
one-half mile of the proposed disposal well:

Amoco Production Company
Security Life Building
Denver, Colorado 80202

State Board of Land Commissioners
State of Colorado
1845 Sherman Street
Denver, Colorado 80203

Union Pacific Railroad Co.
Natural Resources Division
5480 Ferguson Drive
Los Angeles, California 90022

Tiger Oil Company
1920 Colorado State Bank Building
Denver, Colorado 80202

Mr. Richard Price
P. O. Box 1537
Deer Trail, Colorado 80105

Mr. Tom Vessels, Jr.
180 Cook Street
Nine Flags Building 2nd Floor
Denver, Colorado 80206

L & L Land Company
Attn: Messrs. Harold & Glen Lewton
Bennett, Colorado 80102

We believe that the disposal of the produced water as
proposed in this application should be undertaken without delay
and we therefore request that the application be granted as an

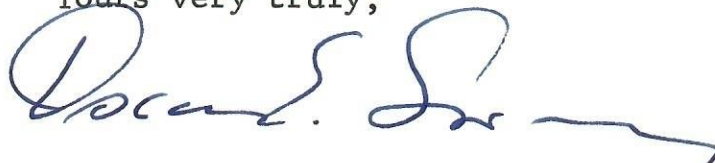
Colorado Oil and Gas
Conservation Commission
Page 4
March 2, 1972

MAR 3 1972

COLORADO OIL & GAS CONSERVATION COMM.

administrative matter without a hearing. If you need further information so that this can be done, would you please advise us.

Yours very truly,

A handwritten signature in blue ink, appearing to read "Donald S. [unclear]", with a long horizontal flourish extending to the right.

OES/vm

RECEIVED

FEB 14 1972

OGCC FORM 4

REV. 7-64

OIL AND GAS CONSERVATION COMMISSION
DEPARTMENT OF NATURAL RESOURCES
OF THE STATE OF COLORADO

File in duplicate for Patented and Federal lands.
 File in triplicate for State lands.

COLORADO OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Colo 69/7211-S	
2. NAME OF OPERATOR Midwest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 140' S and W of Center of NW NE Section 34 At proposed prod. zone		8. FARM OR LEASE NAME Colorado 34-3-59	
14. PERMIT NO. 71-783		9. WELL NO. 6	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074 KB		10. FIELD AND POOL, OR WILDCAT Poncho	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 34 - T3S - R59W	
		12. COUNTY Adams	13. STATE Colorado

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) <input type="checkbox"/>	

(Other) Convert to water disposal ☒ (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.)

Date of work As soon as approval is received from Conservation Commission.

Proposed work:

Clean out well to old T.D. of 6218'
 Set 4-1/2" casing to 6218'.
 Perforate J Sand in the interval 6094'--6200' for use in disposing of water produced on this lease.

DVR	<input checked="" type="checkbox"/>
FJP	<input checked="" type="checkbox"/>
HHM	<input checked="" type="checkbox"/>
JAM	<input checked="" type="checkbox"/>
JID	<input checked="" type="checkbox"/>

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

SIGNED J. R. Nolan TITLE District Engineer DATE February 11, 1972

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE DIRECTOR DATE FEB 17 1972
 CONDITIONS OF APPROVAL, IF ANY:

file

Water Disposal

MIDWEST OIL CORPORATION

1700 BROADWAY

DENVER, COLORADO 80202

February 15, 1972

OSCAR E. SWAN
LEGAL COUNSEL

RECEIVED

FEB 23 1972

COLORADO OIL & GAS COMMISSION

Mr. D. V. Rogers, Director
Oil and Gas Conservation Commission
State of Colorado
Room 237 - 1845 Sherman Street
Denver, Colorado 80203

Re: Conversion of dry hole to
water disposal service.
Midwest Oil Corporation
Colorado 39-3-59 #6
NW NE Sec. 34-T3S-R59W
Adams County, Colorado
Poncho Field

Gentlemen:

Midwest Oil Corporation intends to apply for permission to dispose of water produced from the J sand formation from its well Colorado 39-3-59 #5 into Colorado 39-3-59 #6. Such disposal would be into the same formation from which the water is produced. We are now in the process of securing the necessary information and preparing the necessary exhibits so that the data required to be furnished under rule 327 may be furnished to you.

If we have all of the necessary data and exhibits, we will offer to present them at the hearing to be held on the Poncho Field on February 22, 1972. If we are not then in a position to give you all of the information which will be required, we will ask that the Commission as one of its field rules provide that the Director may approve such underground disposal without a hearing upon the furnishing to him of the necessary information, and we believe that the rule should be broad enough not only to permit approval of our underground disposal project but of any other such project undertaken by any other operator in the field.

*Est min & max volume of water / day.
statement that we will not be flooding (flood prohibits require a hearing)*

Colorado Oil and Gas
Conservation Commission
Page 2
February 16, 1972

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FEB 23 1972

COLORADO OIL AND GAS CONSERVATION COMM.

We are sending a copy of this letter to each of the following parties so that they may be advised of our intent:

Amoco Production Company
Security Life Building
Denver, Colorado 80202

State Board of Land Commissioners
State of Colorado
1845 Sherman Street
Denver, Colorado 80203

Union Pacific Railroad Co.
Natural Resources Division
5480 Ferguson Drive
Los Angeles, California 90022

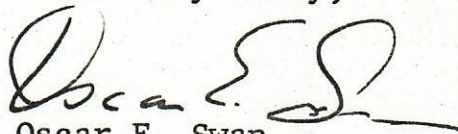
Tiger Oil Company
1920 Colorado State Bank Building
Denver, Colorado 80202

Mr. Richard Price
P. O. Box 1537
Deer Trail, Colorado 80105

Mr. Tom Vessels, Jr.
180 Cook Street
Nine Flags Building 2nd Floor
Denver, Colorado 80206

L & L Land Company
Attn: Messrs. Harold & Glen Lewton
Bennett, Colorado 80102

Yours very truly,


Oscar E. Swan

OES/vm

FEB 23 1972

MIDWEST OIL CORPORATION
Colorado 34-3-59 No. 6

140' S & 140' W of Center of
NW NE Sec 34-T3S-R59W

ADAMS COUNTY, COLORADO

Proposed Conversion of Dry Hole
to a Water Disposal Well

Casing to be Set ;

4 1/2" 9.5#/54, K-55 grade, ST&C

Properties: Mill Test - 3000 psi

Minimum Yield - 4380 psi

Collapse - 3320 psi

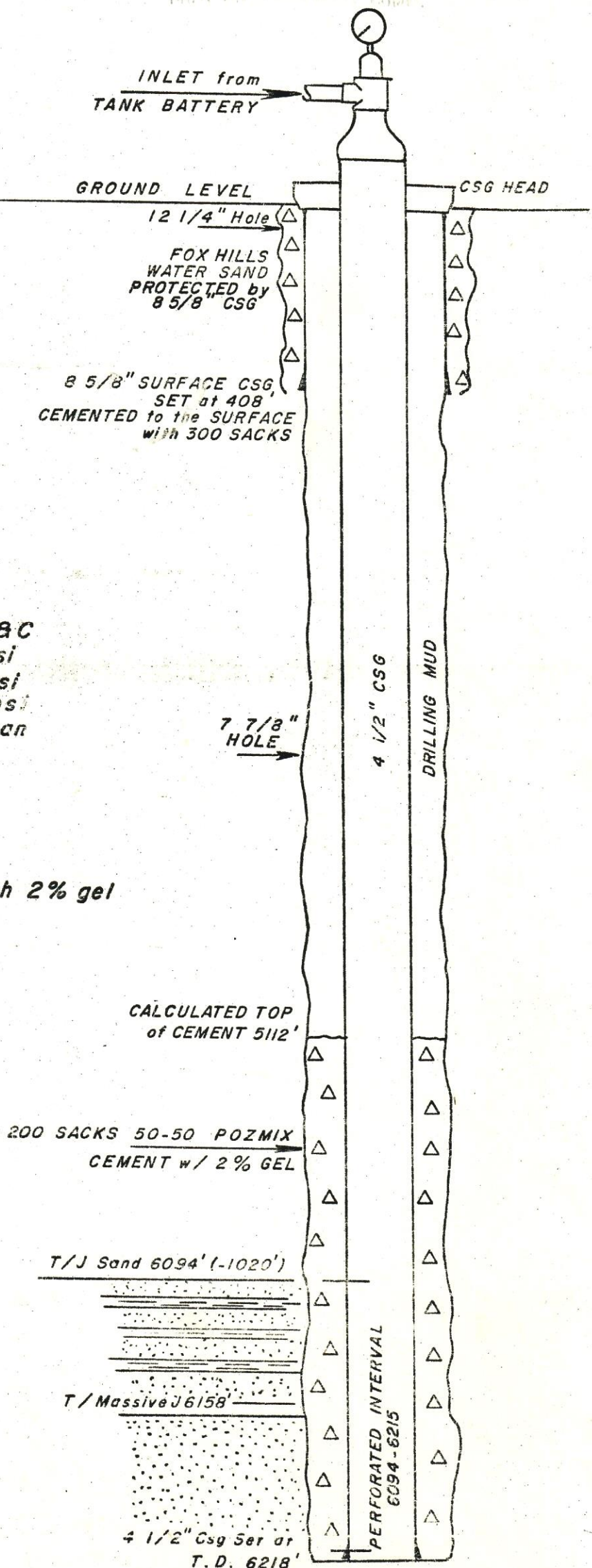
Casing will be Centralized to Insure an
Even Cement Band around It.

Cement to be Used ;

200 Sacks 50-50 Pozmix "A" with 2% gel

Testing ;

Casing will be tested to 1000 psi
Following Cementing and
before Perforating



DRAWING NOT TO SCALE

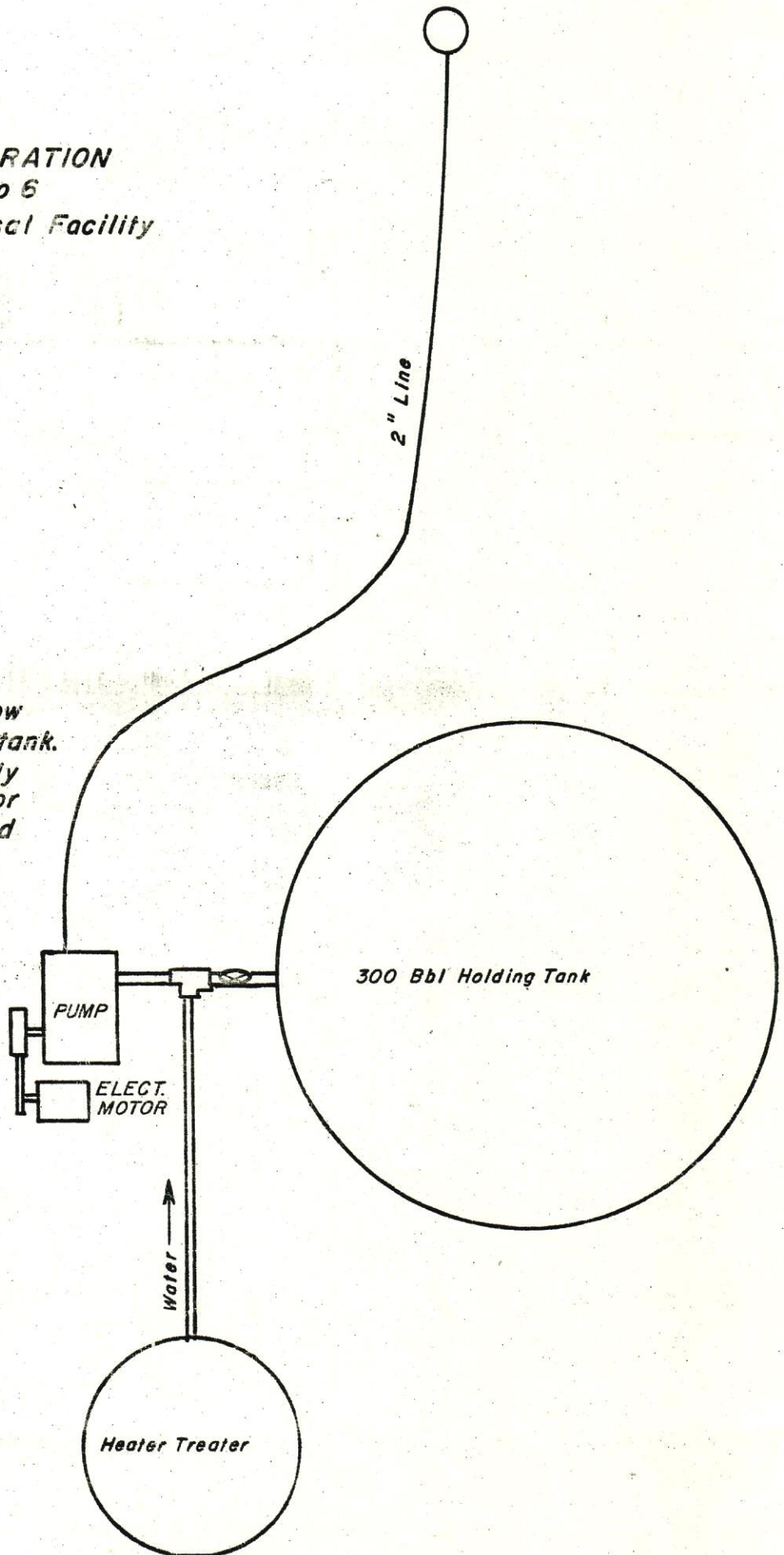
RECEIVED

FEB 23 1972

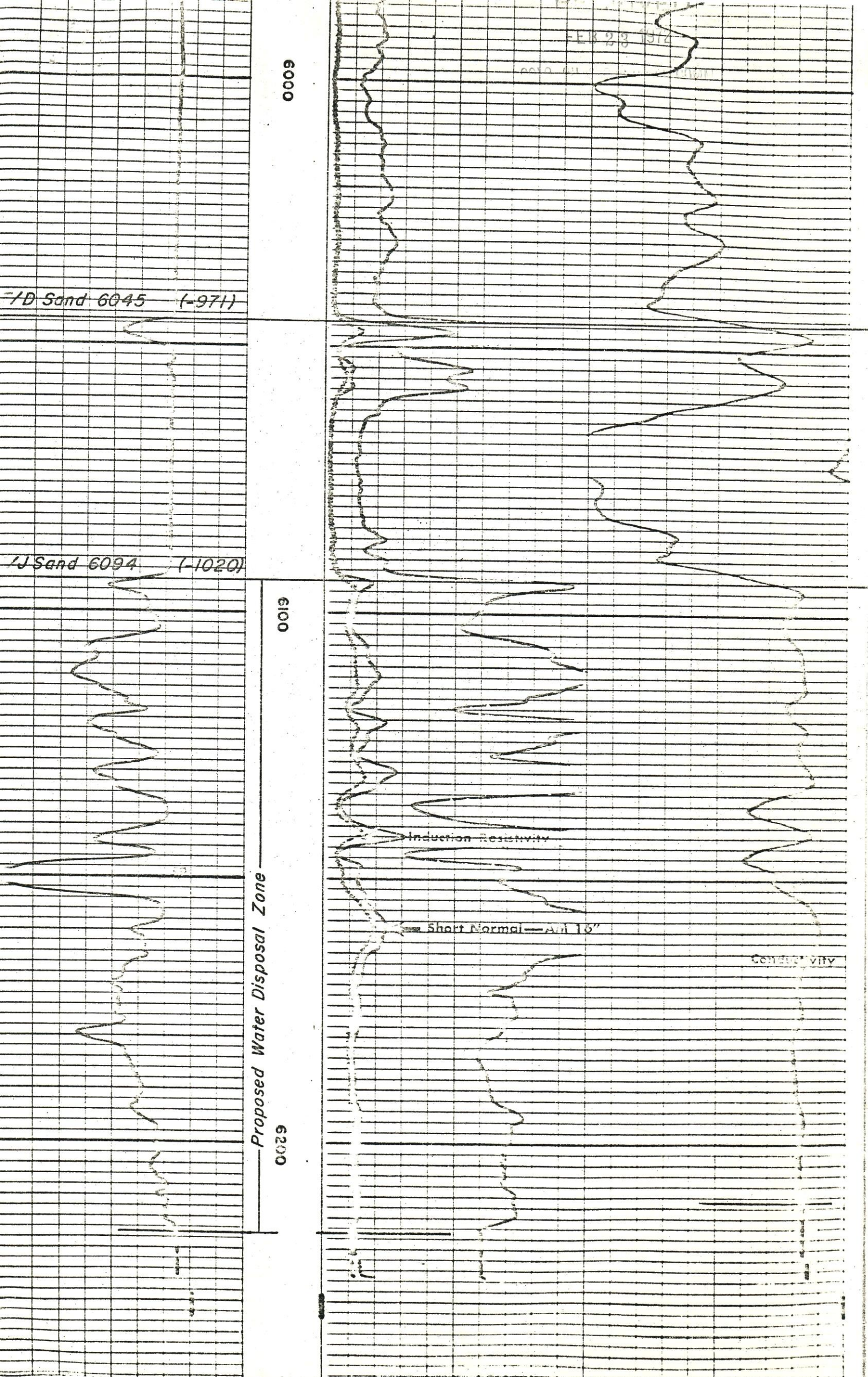
MIDWEST OIL CORPORATION
Colorado 34-3-59 No. 6
Disposal Well

MIDWEST OIL CORPORATION
Colorado 34-3-59 No. 6
Proposed Water Disposal Facility

*Pump is automatically
controlled by a high-low
switch on the holding tank.
This switch automatically
starts the electric motor
when the tank is full, and
stops it when the tank
is empty.*

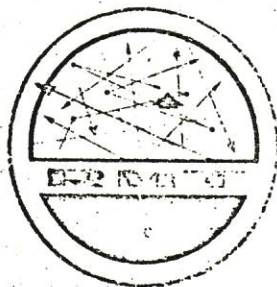


DRAWING NOT TO SCALE



RECEIVED

FEB 23 1972



ROCKY MOUNTAIN TECHNOLOGY, INC.

490 Orchard Street, Golden, Colorado 80401 • 303 279-4527

WATER ANALYSIS REPORT

Operator: Midwest Oil Corporation

Date: November 5, 1971

Sample: Colorado 34-3-59 #5
Arapahoe, Colo., Swab Tank J-2
 $R_w = 0.58$ @ 75°F.
10/15/71

Results are reported in parts per million
(ppm) except as indicated.

Analysis For

Calcium	27.8
Magnesium	19.2
Chloride	4363
Carbonate	40.1
Bicarbonate	1824
Sulfate	892
Sodium	5375
pH	7.9
Resistivity (ohms)	6.8×10^1
Total Dissolved Solids	10746

Rocky Mountain Technology, Inc.

Gary C. Stebbins

Project Manager

RECEIVED

FEB 23 1972

Local Fresh Water Wells

Following is a list of the known fresh water wells, on record in the office of the Water Resources Division-Ground Water Wells, of the Colorado Water Conservation Board, within two miles of the Midwest Oil Corporation Colorado 39-3-59 #6 location. There are no large irrigation (or fee) wells within this area. These water wells are plotted on the map included in this application.

<u>Location</u>	<u>Owner</u>	<u>Depth</u>
NW NW 4-4S-59W	Cronk, Richard	120'
NW NE 5-4S-59W	Linnebur, Emmett	84
NW SE 9-4S-59W	Hanks, Harry, Jr.	130
NW NW 10-4S-59W	Winters, Clay R.	105
SE SE 11-4S-59W	Price, Richard	62
SW SE 26-3S-59W	Noonen, Jim E.	105
SW SE 26-3S-59W	Downing, Ralph E.	102
SE SW 29-3S-59W	Ash, Elmer	159
NE SE 32-3S-59W	Rico, Placido	206
NW SE 34-3S-59W	Price, Richard	60
NW NW 34-3S-59W	Price, Richard, Jr.	180
SW SW 35-3S-59W	Noonen, M. B.	30
NE SW 36-3S-59W	Noonen, M. B.	95
SW NE 36-3S-59W	Downing, Ralph	101

CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY MIDWEST OIL CORPORATION FIELD PONCHO FILE RP-2-4246
 WELL NO. 6 COLORADO 34-3-59 COUNTY ADAMS DATE 10-18-71
 LOCATION NW NE Sec. 34 T3S R59W STATE COLORADO ELEV. 5074 KB

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG (PATENT APPLIED FOR)

GAMMA RAY
RADIATION INCREASE
→

COREGRAPH

TOTAL WATER ———
PERCENT TOTAL WATER
80 60 40 20 0

PERMEABILITY ———
MILLIDARCYS
100 50 10 5 1

POROSITY ———
PERCENT

OIL SATURATION ———
PERCENT PORE SPACE
0 20 40 60 80

6077

6095

6155

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADOFile in triplicate for Patented and Federal lands.
File in quadruplicate for State lands.

DEC 13 1971

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. Colo 69/7211-S											
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME											
2. NAME OF OPERATOR Midwest Oil Corporation				7. UNIT AGREEMENT NAME											
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202				8. FARM OR LEASE NAME Colorado 34-3-59											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 140' S & 140' W (or 198' SW) of Center of NW NE Sec 34 At top prod. interval reported below Same At total depth 80 acre drlg unit N/2, NE/4 Sec 34 Same				9. WELL NO. 6											
14. PERMIT NO. 71-783 ✓				DATE ISSUED 10/13/71 ✓											
15. DATE SPUDDED 10/14/71		16. DATE T.D. REACHED 10/19/71		17. DATE COMPL. (Ready to prod.) P&A 10/19/71 ✓		18. ELEVATIONS (DF, REB, RT, GR, ETC.) 5074 KB		19. ELEV. CASINGHEAD 5064							
20. TOTAL DEPTH, MD & TVD 6218		21. PLUG, BACK T.D., MD & TVD See backside		22. IF MULTIPLE COMPL., HOW MANY ---		23. INTERVALS DRILLED BY → Surface-T.D. ---		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) None							
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction ES & Density				25. WAS DIRECTIONAL SURVEY MADE No		27. WAS WELL CORED Yes									
28. CASING RECORD (Report all strings set in well)															
CASING SIZE 8-5/8		WEIGHT, LB./FT. 24.0		DEPTH SET (MD) 407		HOLE SIZE 12-1/4		CEMENTING RECORD 300 regular		AMOUNT PULLED none					
29. LINER RECORD										30. TUBING RECORD					
SIZE none		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		SIZE none					
31. PERFORATION RECORD (Interval, size and number) None										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
										DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
										Plugging record		on backside			
33. PRODUCTION															
DATE FIRST PRODUCTION Dry Hole		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)						WELL STATUS (Producing or shut-in)							
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.		WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.		OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)										TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Logs listed on line 26 plus core analysis															
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records															
SIGNED <u>J.R. Nolan</u> TITLE <u>District Engineer</u> DATE <u>December 9, 1971</u>															

See Spaces for Additional Data on Reverse Side

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Plugged and abandoned as follows:
			35 sax cement at 6085-6150
			15 sax cement at 385-420
			10 sax cement at surface-30' below surface

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Niobrara	5191	
Ft. Hays	5603	
Carlile	5648	
Greenhorn	5724	
Ben-tonite	5948	
D Sand	6045	
J Sand	6093	
T. D.	6218	

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Petroleum Reservoir Engineering
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Company MIDWEST OIL CORPORATION Formation "J" SAND Page 1 of 2
Well NO. 6 COLORADO 34-3-59 Cores DIA. CONV. 4" File COMM. RP-2-4246
Field PONCHO Drilling Fluid WBM Date Report 10-18-71
County ADAMS State COLORADO Elevation 5074 KB Analysts RM; BS
Location NW NE Sec. 34 T3S R59W Remarks CONVENTIONAL CORE ANALYSIS

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	% PORE TOTAL WATER % PORE		
	6077-80							
1	6080-81	<0.1	<0.1	3.8	2.6	71.0		Shl dk gry vfg cly bent britt
2	6081-82	<0.1	<0.1	10.0	2.0	74.0		Ss wh vfg cly qtz
3	6082-83	0.2	<0.1	16.1	6.8	70.2		Ss wh vfg v/cly s & p
4	6083-84	<0.1	<0.1	15.4	0.6	74.6		Ss wh vfg v/cly s & p carb
5	6084-85	<0.1	<0.1	12.7	0.8	75.5		Ss wh vfg v/cly s & p carb glauc
6	6085-86	<0.1	<0.1	12.2	0.8	83.5		Ss wh vfg v/cly s & p carb
7	6086-87	<0.1	<0.1	11.8	0.8	78.0		Ss wh vfg v/cly s & p carb glauc
8	6087-88	<0.1	<0.1	6.8	0.0	77.9		Ss wh vfg v/cly s & p carb glauc
9	6088-89	<0.1	<0.1	11.0	1.8	83.6		Ss wh vfg v/cly s & p glauc carb
10	6089-90	<0.1	<0.1	12.8	1.6	78.0		Ss wh vfg v/cly s & p carb glauc
11	6090-91	<0.1	<0.1	10.5	4.8	76.1		Ss wh vfg v/cly carb
12	6091-92	0.2	0.2	15.6	3.2	71.1		Ss wh vfg v/cly carb
13	6092-93	0.3	0.1	14.7	0.7	61.9		Ss wh vfg v/cly s & p carb glauc
14	6093-94	0.9	0.3	19.7	2.5	70.0		Ss wh vfg v/cly s & p carb glauc
15	6094-95	6.1	1.2	18.8	3.7	64.4	VF	Ss wh vfg v/cly s & p glauc
16	6095-96	0.2	<0.1	11.1	8.1	55.0		Ss wh vfg cly glauc pyritic
17	6096-97	1.6	0.8	16.6	3.6	64.5		Ss wh vfg cly glauc carb lam
18	6097-98	3.6	2.5	17.9	4.5	58.1		Ss wh vfg cly glauc carb lam
19	6098-99	0.7	2.7	16.2	5.6	64.2		Ss wh vfg cly glauc s & p
20	6099-6100	1.4	1.5	20.8	0.5	68.2		Ss wh vfg cly glauc s & p
21	6100-01	0.6	0.5	17.4	0.6	75.2		Ss wh vfg cly glauc s & p carb
22	6101-02	0.2	0.1	16.7	0.6	75.4		Ss wh vfg cly glauc s & p carb
23	6102-03	0.1	<0.1	11.8	0.8	64.4		Ss wh vfg cly glauc s & p carb
24	6103-04	0.1	<0.1	13.3	0.8	76.7		Ss wh vfg cly glauc s & p carb
25	6104-05	0.2	0.1	10.8	1.9	74.0		Ss wh vfg cly glauc s & p carb
	6105-06							Shl dk gry vfg cly bent britt
26	6106-07	3.3	2.6	21.3	3.8	68.0		Ss wh fn v/cly s & p carb
27	6107-08	9.8	6.3	15.3	7.2	53.0		Ss wh vfg v/cly s & p carb
28	6108-09	2.1	1.3	12.6	9.5	44.5		Ss wh vfg cly carb pyritic
29	6109-10	1.4	1.1	14.3	7.7	54.5		Ss wh vfg cly carb
30	6110-11	0.9	0.9	14.8	1.4	70.2		Ss wh vfg cly s & p carb
31	6111-12	0.6	0.4	16.0	5.0	71.9		Ss wh vfg cly v/carb
32	6112-13	0.2	0.1	9.9	2.0	59.6		Ss wh vfg cly s & p
33	6113-14	<0.1	<0.1	2.3	0.0	60.9		Ss wh vfg cly carb lam v/pyritic
34	6114-15	<0.1	<0.1	9.9	7.1	74.7		Ss wh vfg cly carb lam
35	6115-16	0.6	<0.1	13.2	3.8	66.7		Ss wh vfg cly s & p carb lam
36	6116-17	6.0	6.4	17.2	6.4	53.0		Ss wh vfg cly s & p
37	6117-18	3.3	3.6	13.6	8.1	48.5	VF	Ss wh vfg cly s & p glauc
38	6118-19	1.4	1.0	16.0	6.9	46.3		Ss wh vfg cly s & p

NOTE: SERVICE NO. 5-A, 1-B. VF = VERTICAL FRACTURE.

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY-INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES-NO INTERPRETATION OF RESULTS.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

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Petroleum Reservoir Engineering
DALLAS, TEXAS

Company MIDWEST OIL CORPORATION Formation "J" SAND Page 2 of 2
Well NO. 6 COLORADO 34-3-59 Cores DIA. CONV. 4" File RP-2-4246
Field PONCHO Drilling Fluid WBM Date Report 10-18-71
County ADAMS State COLORADO Elevation 5074 KB Analysts RM; BS
Location NW NE Sec. 34 T3S R59W Remarks CONVENTIONAL CORE ANALYSIS

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	TOTAL WATER % PORE		
39	6119-20	0.4	0.3	13.3	1.5	54.1		Ss wh vfg cly s & p
40	6120-21	0.4	0.3	16.0	0.6	58.8		Ss wh vfg cly s & p
41	6121-22	0.1	0.1	11.9	0.0	66.4		Ss wh vfg cly s & p v/pyritic
	6122-26½							Shl dk gry vfg cly bent britt
42	6126½-27	<0.1	<0.1	5.5	3.6	65.5		Ss gry vfg cly v/carb qtz
	6127-28							Shl dk gry vfg cly bent britt
43	6128-29	0.1	<0.1	14.2	1.4	67.6		Ss wh vfg v/cly v/carb
44	6129-30	<0.1	<0.1	10.0	1.0	58.0	VF	Ss wh vfg v/cly s & p
45	6130-31	0.5	0.3	11.2	1.8	54.5	VF	Ss wh vfg cly s & p v/carb
46	6131-32	1.7	<0.1	19.0	3.2	67.4		Ss wh vfg cly s & p carb
	6132-34½							Shl dk gry vfg cly bent britt
47	6134½-35	1.9	1.1	18.3	0.0	66.1	VF	Ss tn vfg cly s & p
48	6135-36	7.4	5.8	19.5	0.0	64.1	VF	Ss tn vfg cly s & p
49	6136-37	0.1	0.1	14.5	0.0	71.7		Ss wh fn v/cly
50	6137-38	<0.1	<0.1	3.6	2.8	91.6		Ss gry vfg cly v/slty v/bent
	6138-43							Sltstn buff vfg v/bent v/cly
51	6143-44	<0.1	<0.1	8.9	0.0	74.1		Ss wh vfg v/cly
52	6144-45	<0.1	<0.1	5.6	0.0	80.4		Ss wh vfg v/cly
53	6145-46	<0.1	<0.1	7.7	1.3	74.0		Ss wh vfg v/cly
54	6146-47	<0.1	<0.1	6.1	14.7	68.9		Ss gry vfg v/cly v/carb
55	6147-48	<0.1	<0.1	10.9	6.4	67.0		Ss wh fn v/cly v/carb
56	6148-49	<0.1	<0.1	7.4	5.8	81.0		Ss wh fn v/cly v/carb
57	6149-50	0.1	<0.1	13.6	3.7	64.7		Ss wh vfg v/cly glauc carb
58	6150-51	0.1	0.1	16.5	0.6	58.2		Ss wh vfg v/cly s & p glauc carb
59	6151-52	0.1	0.1	14.5	0.7	56.0		Ss wh vfg v/cly s & p glauc carb
60	6152-53	0.1	<0.1	11.0	0.0	55.5	VF	Ss wh vfg v/cly s & p glauc carb
	6153-55							LOST CORE

NOTE: SERVICE NO. 5-A, 1-B.

VF = VERTICAL FRACTURE.

(*) REFER TO ATTACHED LETTER.

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OIL AND GAS CONSERVATION COMMISSION DEPARTMENT OF NATURAL RESOURCES OF THE STATE OF COLORADO

File in duplicate for Patented and Federal lands.
File in triplicate for State lands.

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OCT 22 1971

COLORADO OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Dry Hole		5. LEASE DESIGNATION AND SERIAL NO. Comm. 69/7211-S
2. NAME OF OPERATOR Midwest Oil Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 140' S & 140' W (or 198' SW) of Center of NW NE Section 34 At proposed prod. zone 80 acre drlg Unit N/2, NE/4 Sec 34		8. FARM OR LEASE NAME Colorado 34-3-59
14. PERMIT NO. 71-783		9. WELL NO. 6
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5065 GR		10. FIELD AND POOL, OR WILDCAT Poncho
		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec 34 - T3S - R59W
		12. COUNTY Adams
		13. STATE Colorado

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐

REPAIRING WELL

ALTERING CASING

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

ABANDONMENT

XX

(Other)

(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.)

Date of work 10/19/71

Plugged and abandoned as follows:

35 sax of cement at 6085-6150'.

15 sax of cement at 385-420'.

10 sax of cement at 0-30'.

DVR	<input checked="" type="checkbox"/>
FJP	<input checked="" type="checkbox"/>
HUM	<input checked="" type="checkbox"/>
JAM	<input checked="" type="checkbox"/>
JID	<input checked="" type="checkbox"/>

Plugging was done with the compliance of the Conservation Commission.

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

SIGNED J. R. Nolan

TITLE District Engineer

DATE October 21, 1971

(This space for Federal or State office use)

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

TITLE DIRECTOR
O & G CONSERV. COM.

DATE OCT 28 1971