

Started work to production in Dec 1976

FILE NOTATIONS

Entered in NID File
Lease Map Pinned
Card Indexed
.....

Checked by Chief *PMB*
Approval Letter *5-1-73*
Disapproval Letter

COMPLETION DATA:

Date Well Completed
OW..... NW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Elect. Logs (No.)
E..... I..... Dual I Log..... GR-N..... Micro.....
BHC Sonic CR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

5-11-73 Well Name & Footage Location
Changed -

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH | 13. STATE

Duchesne | Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL
655.96

20. ROTARY OR CABLE TOOLS
Rotary

22. APPROX. DATE WORK WILL START*
June 1, 1973

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
MAPCO Inc. et al

3. ADDRESS OF OPERATOR
Suite 320, Plaza West
1537 Avenue D, Billings, Montana 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface SE NW/4 NE/4 (Lot 2) 1226' FNL & 1793' FEL Section 4,
T. 2 S., R. 5 W., USM, Duchesne County, Utah
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
1-1/2 miles West of Talmage

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any) 1226'

16. NO. OF ACRES IN LEASE
39.24

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

19. PROPOSED DEPTH
16,000'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6960' ungraded ground level

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	Mixed	5500'	As required
8-3/4"	7-5/8"	Mixed	12500'	As required
6"	5-1/2"(liner)	Mixed	16000'	As required

This well will be drilled from surface to total depth with rotary drilling equipment, including B.O.P. assemblies Shaffer-Dual 10" - 5000 psi, Cameron 10" - 5000 psi and Hydril 10" - 5000 psi and additional as required from surface to 16,000'. Other equipment will include: (1) a recording pit level indicator with warning device, (2) mud volume measuring device and, (3) a mud return indicator.

159-7
OK

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.

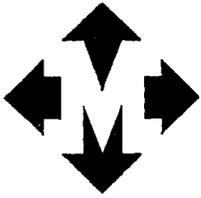
24. SIGNED [Signature] TITLE Manager of Operations Northern District DATE April 25, 1973

(This space for Federal or State office use)

PERMIT NO. 45013-30222 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



mapco
INC.

PRODUCTION DIVISION

April 24, 1973

State of Utah
Department of Natural Resources
Division of Oil and Gas Commission
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: Mr. Paul Burchell

Re: MAPCO, et al, Christensen No. 1-4
NW NE Sec. 4, T. 2 S., R. 5 W., USM
Duchesne County, Utah

Gentlemen:

Enclosed are copies of our Application For Permit to Drill the MAPCO, et al, Christensen No. 1 - 4, NW NE Sec. 4, T. 2 S., R. 5 W., USM, Duchesne County, Utah. Our \$25,000 blanket bond No. 8055-97-09, dated October 11, 1972, with certified copy of Power of Attorney attached, is on file with your office. We trust that everything is in order, and if it is not, please let us know.

We have one complete set of dry-cut samples from our Fisher No. 1 well in Section 7, T. 1 S., R. 3 W. In our previous discussions, you indicated that you would like to have a set of these samples. If you would let us know where they are to go, we will be happy to mail them.

Very truly yours,

MAPCO INC.

L. B. McDade, Geologist

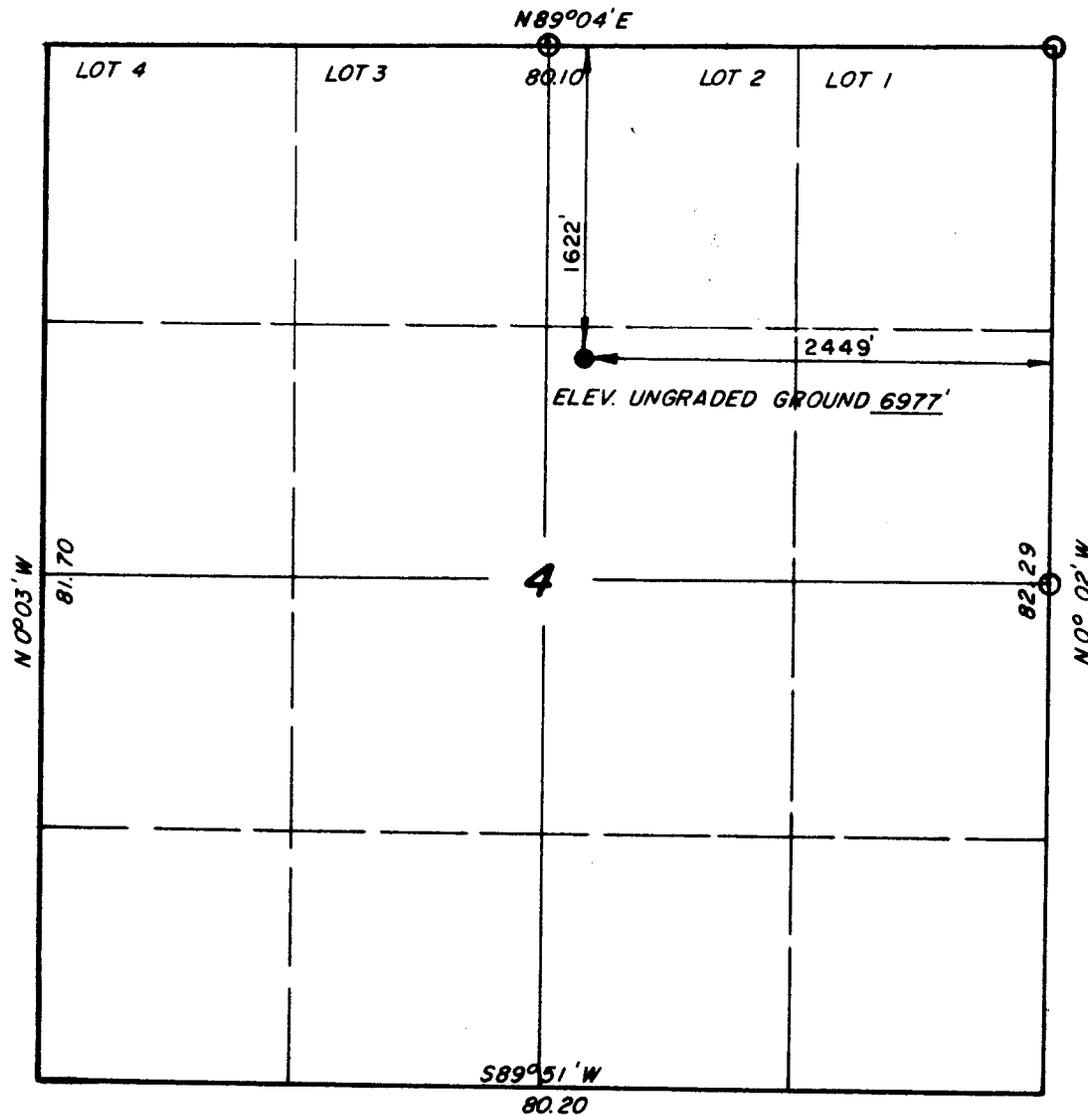
LBM:awm

Enclosures

T2S, R5W, U. S. M.

MAPCO, INC.

WELL LOCATION IN THE SW 1/4 NE 1/4 SECTION 4,
T2S, R5W, U. S. M., DUCHESNE COUNTY, UTAH



CERTIFICATE

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

Tolson Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised: 8 May, 1973
Revised: 14 Apr., 1973

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000	DATE 9 APRIL 73
PARTY LT KC	REFERENCES G L O PLAT
WEATHER COOL	FILE

○ = SECTION CORNERS RE-ESTABLISHED

May 1, 1973

Mapco Inc.
1537 Avenue "D"
Billings, Montana

Re: Well No. Christensen #1-4
Sec. 4, T. 2 S, R. 5 W, USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued under Cause No. 139-8, dated September 20, 1972.

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

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to this request will be greatly appreciated.

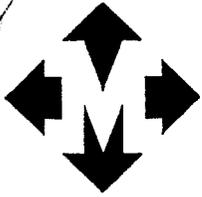
The API number assigned to this well is 43-013-30222.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd



mapco
INC.

PRODUCTION DIVISION

May 11, 1973

State of Utah
Department of Natural Resources
Division of Oil and Gas Commission
1588 West North Temple
Salt Lake City, Utah 84116

ATTENTION: Mr. Paul Burchell

Re: MAPCO Inc., et al Cheney No. 1-4
SW/4 NE/4 Sec. 4, T. 2 S., R. 5 W., USM
Duchesne County, Utah

Gentlemen:

In accordance with your oral approval on May 4, 1973, we enclose revised copies of Survey Plats and Application For Permit to Drill MAPCO et al, Christensen No. 1-4, Section 4, T. 2 S., R. 5 W., USM, Duchesne County, Utah (your API number 43-013-30222 originally approved by your letter dated May 1, 1973). Revision of this location is necessary for environmental protection; more specifically, to prevent the interruption of and damage to an irrigation canal located near the original surveyed location. The revised location is in the SW/4 NE/4 Section 4, T. 2 S., R. 5 W., where the mineral ownership is under the name of Agnes J. Cheney, et al; therefore, the name is changed to MAPCO et al, Cheney No. 1-4.

Inasmuch as MAPCO Inc. controls all acreage within Section 4, T. 2 S., R. 5 W., we would appreciate your approval to locate Cheney No. 1-4 as shown on the attached plat.

Very truly yours,

MAPCO INC.

L. B. McDade

LBM:awm

Enclosures

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

REVISED:

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL DEEPEN PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well Gas Well Other Single Zone Multiple Zone

8. Farm or Lease Name

2. Name of Operator

MAPCO Inc. et al

Cheney

3. Address of Operator

Suite 320, Plaza West
1537 Avenue D, Billings, Montana 59102

9. Well No.

1 - 4

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

10. Field and Pool, or Wildcat

Altamont

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 4, T. 2 S., R. 5 W.

U.S.M.

12. County or Parrish 13. State

Duchesne Utah

At surface

SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4,
T. 2 S., R. 5 W., USM, Duchesne County, Utah

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

1-1/2 miles West of Talmage

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1622'

16. No. of acres in lease

160

17. No. of acres assigned to this well

655.96

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

16,000'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6977' ungraded ground

22. Approx. date work will start*

June 1, 1973

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	Mixed	5500'	As required
8-3/4"	7-5/8"	Mixed	12500'	As required
6"	5-1/2" (liner)	Mixed	16000'	As required

This well will be drilled from surface to total depth with rotary drilling equipment including B.O.P. assemblies Shaffer-Dual 10" - 5000 psi, Cameron 10" - 5000 psi and Hydril 10" - 5000 psi and additional as required from surface to 16,000'. Other equipment will include: (1) a recording pit level indicator with warning device, (2) mud volume measuring device and, (3) a mud return indicator.

topog. exception - Cause 139-F

APPROVED BY DIVISION OF OIL & GAS CONSERVATION

DATE 5-14-73

BY *[Signature]*

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: Manager of Operations Northern District Date: May 11, 1973

(This space for Federal or State office use)

Permit No. 43-013-30222

Approval Date

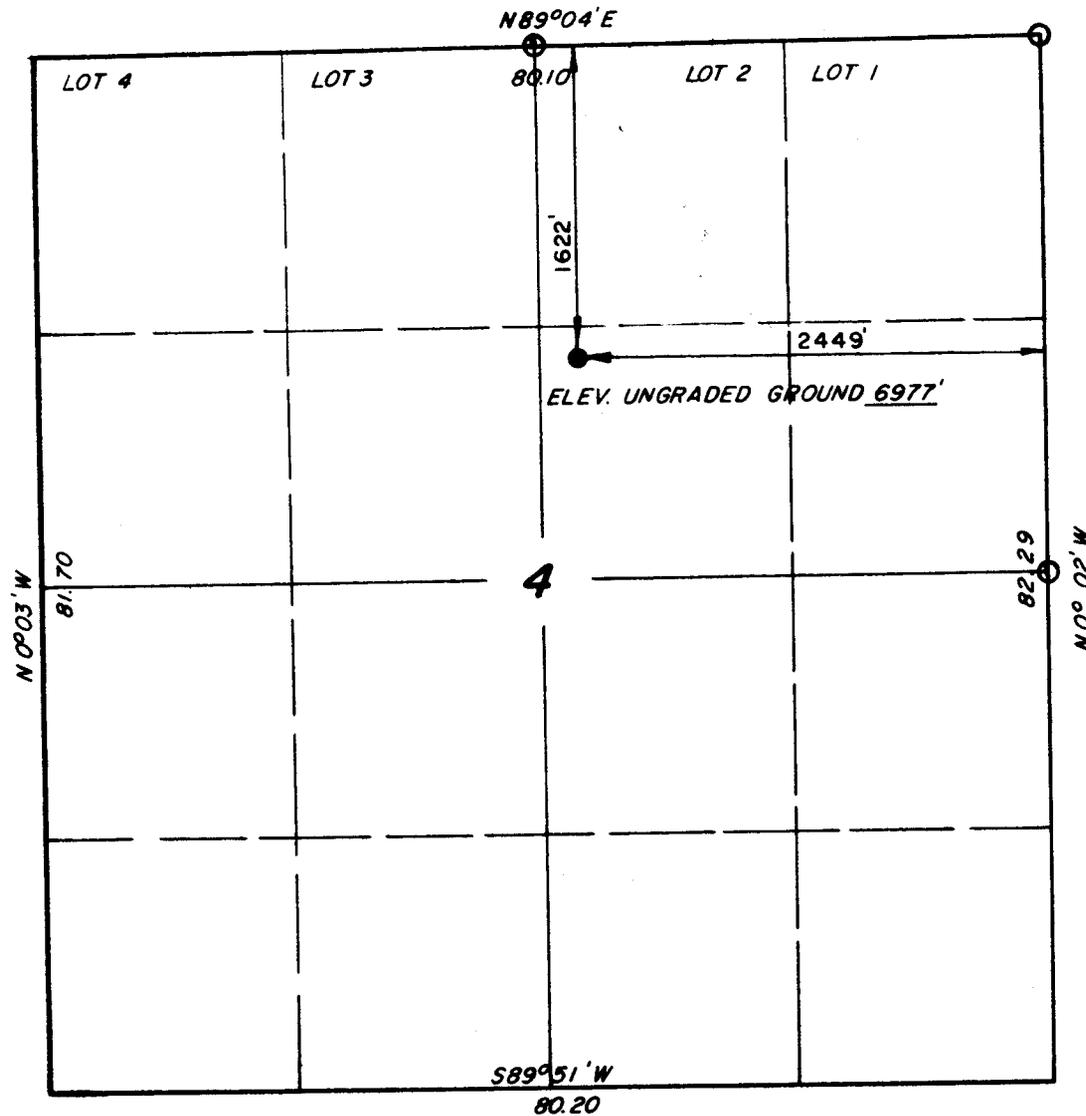
Approved by Title Date

Conditions of approval, if any:

T2S, R5W, U. S. M.

MAPCO, INC.

WELL LOCATION IN THE SW 1/4 NE 1/4 SECTION 4,
T2S, R5W, U. S. M., DUCHESNE COUNTY, UTAH



CERTIFICATE

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

Tolson Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

Revised: 8 May, 1973
Revised: 14 Apr., 1973

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 9 APRIL 73
PARTY LT KC	REFERENCES G L O PLAT
WEATHER COOL	FILE

○ = SECTION CORNERS RE-ESTABLISHED

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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.
2. NAME OF OPERATOR MAPCO INC., et al		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney
14. PERMIT NO. 43-013-30222		9. WELL NO. 1 - 4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6977' Gr.		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM
		12. COUNTY OR PARISH Duchesne
		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) <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.)*

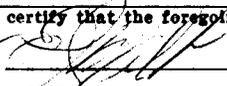
MAY REPORT:

First Report

5-11-73 thru
5-24-73 Moving in and RURT.
5-25-73 thru Spudded 6 P.M., 5-25-73.
5-31-73 T.D. 1025'; drilling Duchesne River formation.

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

SIGNED



TITLE

Manager of Operations
Northern District

DATE

June 14, 1973

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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.
2. NAME OF OPERATOR MAPCO INC., et al		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney
14. PERMIT NO. 43-013-30222	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' Gr.	9. WELL NO. 1 - 4
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM
		12. COUNTY OR PARISH 13. STATE Duchesne 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 PLANN <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <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.)*

June Report - Continued from Page 1 -----

at 2090' with centralizers at 6764', 6732', 6645', 6517, 5395', 2136', 2046' and 1916'. Cement baskets at 6687, 5395, 2136, 1916, 1402, and 801 feet. Pumped first stage through shoe. Lead slurry = 1860 sax HOWCO Lite with 10% salt, 1/4#/sack Flocele and 0.5% CFR-2. Tailed in with 300 sax Class "G" cement with 10% salt, 1/4#/sack Flocele and 0.2% HR-4. Displaced with 507 bbls. water at 600#; plug did not bump. Overdisplaced with 10 bbls. water, plug did not bump. Shut down and released pressure, float collar held. No returns first stage. Dropped bomb and opened DV tool. Pumped through DV tools with no returns. Cemented through DV tool with 1200 sax HOWCO Lite with 1/4#/sack Flocele. Displaced with 162 bbls. water. Bumped plug at 2:45 AM, 6-29-73, with 1500# and held for 5 min. Released pressure, DV tool held; no returns.

6-30-73: T.D. 6774'; nipping up BOP stack and manifold. W.O.C.

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

SIGNED _____	Manager of Operations TITLE Northern District	DATE July 13, 1973
--------------	--	--------------------

(This space for Federal or State office use)

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

*See 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.	
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3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney	
14. PERMIT NO. 43-013-30222		9. WELL NO. 1 - 4	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6977' Gr.		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM	
		12. COUNTY OR PARISH Duchesne	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"/>	FULL 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) _____	

(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.)*

JUNE REPORT:

6-1-73 thru
6-8-73: T.D. 3052'; drilling Duchesne River formation. Circulate and condition mud at 450'. Made two trips to 450' checking for fill and/or sloughing hole. Tripped in with drill pipe open ended to 450'. Spotted 50 sax Type "C" cement containing 12% CaCl₂.

6-9-73: T.D. 3052'; W.O.C. Reamed and drilled 12-1/4" hole to 17-1/2" from 93-406'. Tripped out. Ran 12 joints of 13-3/8", H-40, STC casing and landed at 404'. Halliburton cemented with 750 sacks class "G" cement with 2% CaCl₂ and 1/4# flocele/sax. Good returns throughout. Bumped plug at 6:30 PM, 6-8-73. W.O.C. 11-1/2 hours.

6-10-73 thru
6-14-73: T.D. 3052'; drilling cement, washing and reaming, trying to get back to bottom and drilling

6-15-73 thru
6-28-73: T.D. 6774'; drilling Duchesne River formation.

6-29-73: T.D. 6774'; Ran 161 joints (6776.66') 9-5/8", 40#, YS-95 LT&C, N-80 LT&C and K-55 casing, landed at 6774' K.B. Ran following HOWCO equipment: Guide shoe @6774', differential fill float collar at 6687', DV stage collar

-----Continued Page 2 -----

I hereby certify that the foregoing is true and correct
 SIGNED J.D. Holloman for: E.D. Milt Manager of Operations
 TITLE Northern District DATE July 13, 1973

(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR MAPCO INC., et al</p> <p>3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah</p> <p>14. PERMIT NO. 43-013-30222</p>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Cheney</p> <p>9. WELL NO. 1 - 4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' Gr.</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 type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(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.)*

JULY REPORT:

7-1-73: T.D. 6774'; nipple up BOP stack and manifold. Yellow Jacket pressure tested BOP stack and manifold to 3000 psi; held OK. Nipple up Grant rotating head and flow line. Halliburton pumped 300 sacks of class 'G' cement containing 3% CaCl₂ followed by 200 sacks of 25% Calseal and 75% class 'G' cement down 2" line between 13-3/8" and 9-5/8" casing. No returns. Ordered out same. Pumped 285 sacks class 'G' with 3% CaCl₂. Good returns to surface. 2nd stage completed at 5:55 AM.

7-2 thru
7-31-73: T.D. 11,700'; drilling Green River formation.

SAMPLE TOP GREEN RIVER MARKER 1: 10,315 (-3320) feet.

18. I hereby certify that the foregoing is true and correct
 SIGNED [Signature] FOR E. J. Milt TITLE Manager of Operations Northern District DATE August 14, 1973
 (This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR MAPCO INC., et al		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney	
14. PERMIT NO. 43-013-30222		9. WELL NO. 1 - 4	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' Gr.		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM	
		12. COUNTY OR PARISH Duchesne	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) <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.)*

AUGUST REPORT:

8-1- thru
8-11-73 T.D. 12,615'; drilling Green River and Wasatch formations.

8-12-73: T.D. 12,620'; ran the following suite of Schlumberger logs:
(Loggers T.D. 12,614')
Borehole Compensated Sonic - Gamma Ray -- 6776 - 12,613'
Dual Induction Laterolog -- 6776 - 12,609'
Compensated Formation Density 6776 - 12,609'
CNL-FDC Porosity 6776 - 12,609'

8-13-73 thru
8-14-73: T.D. 12,620'; circulating and washing and reaming to bottom.

8-15-73 &
8-16-73: T.D. 12,620'; ran 304 joints, 7-5/8" casing; cemented with 650 sacks 65:35 poz, 10% salt, 1/4# sack Flocele; 250 sacks 50:50 poz, 5% gel, 10% salt, 1/4# sack Flocele; tailed in with 50 sacks class "G", 10% salt, 1/4# sack Flocele. Plug bumped 11:42 PM, 8-16-73, with 2600 psi. Float held OK, casing shoe 12,591', float at 12,504'. WOC

8-17-73 thru
8-31-73: T.D. 13,642'; drilling Wasatch formation.

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

Manager of Operations

October 15, 1973

SIGNED Edwin J. Mitt

TITLE Northern District

DATE

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

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 [X] GAS WELL [] OTHER []
2. NAME OF OPERATOR MAPCO INC., et al
3. ADDRESS OF OPERATOR Suite 320 Plaza West, 1537 Avenue D, Billings, Montana 59102
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah
5. LEASE DESIGNATION AND SERIAL NO.
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Cheney
9. WELL NO. 1 - 4
10. FIELD AND POOL, OR WILDCAT Altamont
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM
12. COUNTY OR PARISH Duchesne 13. STATE Utah
14. PERMIT NO. 43-013-30222 15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' G.L.

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) []
FULL OR ALTER CASING [], MULTIPLE COMPLETE [], ABANDON* [], CHANGE PLANS []
SUBSEQUENT REPORT OF: WATER SHUT-OFF [], FRACTURE TREATMENT [], SHOOTING OR ACIDIZING (Other) []
REPAIRING WELL [], ALTERING CASING [], ABANDONMENT* []
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

OCTOBER REPORT:

10-1 thru 10-3-73: T.D. 15,500'; rigging down and moving out rotary tools.
10-4 & 5-73: T.D. 15,500'; ran 383 joints, 2-7/8", 6.5#/ft., N-80, Hydril CS tubing with Otis J-latch seal assembly on bottom. Displaced fresh water in 7-5/8" casing with 400 barrels, 10 ppg CaCl2 water containing 55 gallons KW-12 Tretolite corrosion inhibitor and 175# K4-70 Tretolite oxygen scavenger. Landed 2-7/8" tubing and Otis packer at 12,303' K.B. Pressured up tubing to 2000 psi; held OK; held 1/2 hour.
10-6-73: T.D. 15,500'; ran 146 joints 2-3/8", 4.7#/ft., J-55, EUE tubing. 2-3/8" tubing landed at 4486'. Removed B.O.P. and installed 10,000 psi Grey Tool Company christmas tree. Pressured up to 5000 psi; held OK. Rigged up to swab and swabbed well to 6000'. Rigged down workover unit and released rig at 6:00 P.M., 10-6-73. Well dropped from report until completion of battery construction.
10-24-73: T.D. 15,500'; rigged up G0 International; preparing to perforate.
10-25-73: T.D. 15,500'; G0 International had mechanical problems. Ruined wireline. Rigged down G0 International.
10-26 & 27-73: T.D. 15,500'; perforating with Oil Well Perforators. Details as follows:
---- CONTINUED ON PAGE 2 ----

18. I hereby certify that the foregoing is true and correct
SIGNED Edwin J. MITT TITLE Manager of Operations Northern District DATE November 12, 1973

(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR MAPCO Inc., et al</p> <p>3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah</p> <p>14. PERMIT NO. _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. _____</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____</p> <p>7. UNIT AGREEMENT NAME _____</p> <p>8. FARM OR LEASE NAME Cheney</p> <p>9. WELL NO. 1 - 4</p> <p>10. FIELD AND POOL, OR WILDCAT _____</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA _____</p> <p>12. COUNTY OR PARISH _____ 13. STATE _____</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) _____</p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) _____</p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) _____</p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>

(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.)*

SEPTEMBER REPORT: -- Continued from Page 1 ---

9-20-73 thru

9-27-73: T.D. 15,500'; liner lap is leaking. 15.6# mud to kill well. Cleaned out inside of liner. Perforated 4 holes at 12,379', 56' below top. Squeeze cemented through perforations at 12,379' with 150 sacks class "G" cement. Cleaned out to 15,452'. Displaced mud with fresh water. Pressure tested liner lap to 2500#. Set production packer at 12,303'. Drilling rig released 4 PM, 9-27-73.

9-28- thru

9-30-73 T.D. 15,500'; rigging down rotary tools.

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		6. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO INC., et al		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		8. FARM OR LEASE NAME Cheney
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		9. WELL NO. 1 - 4
14. PERMIT NO. 43-013-30222		10. FIELD AND POOL, OR WILDCAT Altamont
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' Gr.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM
		12. COUNTY OR PARISH Duchesne
		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 ON ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
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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.)*

SEPTEMBER REPORT:

9-1-73 thru
9-16-73: T.D. 15,445'; drilling Wasatch formation.
SAMPLE TOPS:
Upper Wasatch Transition: 11,894 (-4899) feet
Wasatch Red Beds: 11,998 (-5003) feet
Lower Wasatch Transition: 14,120 (-7125) feet

9-17-73: T.D. 15,500'; ran the following suite of Schlumberger logs:
Dual Induction Laterolog 12,593 - 15,491
Borehole Compensated Sonic - Gamma Ray 12,593 - 15,491
Compensated Formation Density - Compensated 12,593 - 15,491
Neutron Formation Density

9-18- thru
9-19-73: T.D. 15,500'; preparing to and running liner. Ran 76 joints, 3136.14', 5 1/2", 23#, P-110 Hydril SFJ-P liner with TIW guide shoe and landing collar. Set liner at 15,495' with top of liner at 12,323'. Circulated with partial returns. Mixed lost circulation material pill; pumped down with no returns. Cemented with 625 sacks class "G", 1% CFR-2, 4/10% CWL, 30% SSA-1; no returns throughout. WOC.

--- Continued on Page 2 ---

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

SIGNED _____ TITLE Northern District DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cheney

9. WELL NO.

1-4

10. FIELD AND POOL, OR WILDCAT

Altamont

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

Section 4

T. 2 S., R. 5 W., USM

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
MAPCO Inc., et al

3. ADDRESS OF OPERATOR
Suite 320 Plaza West, 1537 Avenue D, Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SW/4 NE/4 (1622' FNL & 2449' FEL)
At top prod. interval reported below Sec. 4, T. 2 S., R. 5 W., USM
At total depth Duchesne County, Utah

14. PERMIT NO. 43-013-30222 DATE ISSUED

15. DATE SPUDDED 5-25-73 16. DATE T.D. REACHED 9-18-73 17. DATE COMPL. (Ready to prod.) 10-29-73 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6977' G.L.-6995' K.B. 19. ELEV. CASINGHEAD 6977'

20. TOTAL DEPTH, MD & TVD 15,500' 21. PLUG, BACK T.D., MD & TVD 15,452 22. IF MULTIPLE COMPL., HOW MANY* No 23. INTERVALS DRILLED BY → 15,500 24. ROTARY TOOLS None 25. CABLE TOOLS None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Wasatch 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN BHC Sonic-Gamma Ray-Caliper, Dual Induction Laterolog 8, FDC-CNL-Gamma Ray-Caliper 27. WAS WELL CORDED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40	6774'	12-1/4"	3360 sacks	
7-5/8"	26.4, 29.7	12590'	8-3/4"	950 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2"	12323'	15495'	625	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	12302'	12,302'
2-3/8"	4486'	

31. PERFORATION RECORD (Interval, size and number)
See attached list of perforations.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION 10-29-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 11-2-73	HOURS TESTED 24	CHOKE SIZE 7/64	PROD'N. FOR TEST PERIOD →	OIL—BBL. 599	GAS—MCF. 198.4	WATER—BBL. None	GAS-OIL RATIO 331
FLOW. TUBING PRESS. 3100	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 599	GAS—MCF. 198.4	WATER—BBL. None	OIL GRAVITY-API (CORR.) 43	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel TEST WITNESSED BY
Rhuben Collins

35. LIST OF ATTACHMENTS
Perforation record.

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

SIGNED E. J. Milt TITLE Manager of Operations Northern District DATE November 16, 1973

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.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Lower Green River	10,327	- 3,332
Top Wasatch Red Beds	11,998	- 5,003
Base Wasatch Red Beds	14,120	- 7,125

PERFORATING DETAILS:

Perforated two (2) holes per foot with a 2" scalloped gun (Harrison jet) magnetically decentralized using 6.2 gram deep penetration charges as follows: (all depths BHC Sonic Gamma Ray Depths)

13,944, 13,946, 13,950, 13,961, 13,967, 14,047, 14,108, 14,111, 14,122,
14,134, 14,148, 14,154, 14,167, 14,186, 14,208, 14,212, 14,215, 14,222,
14,255, 14,261, 14,271, 14,291, 14,299, 14,305, 14,310, 14,320, 14,337,
14,522, 14,532, 14,593, 14,602, 14,631, 14,681, 14,696, 14,716, 14,738,
14,751, 14,758, 14,790, 14,801, 14,924, 14,961, 14,973, 14,999, 15,005,
15,010, 15,030, 15,043, 15,066, 15,082, 15,088, 15,107, 15,143, 15,174,
15,182, 15,199, 15,208, 15,220, 15,230, 15,245, 15,259, 15,266, 15,277,
15,286, 15,330, 15,336, 15,354, 15,364, 15,368, 15,377.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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.																				
2. NAME OF OPERATOR MAPCO INC., et al		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																				
3. ADDRESS OF OPERATOR Suite 320 Plaza West, 1537 Avenue D, Billings, Montana 59102		7. UNIT AGREEMENT NAME																				
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14. PERMIT NO. 43-013-30222	16. ELEVATIONS (Show whether DF, RT, CR, etc.) 6977' G.L.	9. WELL NO. 1 - 4																				
13. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Altamont																				
<table border="0"> <tr> <td colspan="2">NOTICE OF INTENTION TO:</td> <td colspan="2">SUBSEQUENT REPORT OF:</td> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input type="checkbox"/></td> <td></td> </tr> </table>		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"/>		11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Section 4, T. 2 S., R. 5 W., USM
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>																				
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		13. STATE Utah																				

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(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.)*

OCTOBER REPORT CONTINUED -

Perforated two holes per foot with a 2" scalloped gun (Harrison jet) magnetically decentralized using 6.2 gram deep penetration charges as follows: (all depths BHC Sonic Gamma Ray Depths)

- 13,944, 13,946, 13,950, 13,961, 13,967, 14,047, 14,108, 14,111, 14,122,
- 14,134, 14,148, 14,154, 14,167, 14,186, 14,208, 14,212, 14,215, 14,222,
- 14,255, 14,261, 14,271, 14,291, 14,299, 14,305, 14,310, 14,320, 14,337,
- 14,522, 14,532, 14,593, 14,602, 14,631, 14,681, 14,696, 14,716, 14,738,
- 14,751, 14,758, 14,790, 14,801, 14,924, 14,961, 14,973, 14,999, 15,005,
- 15,010, 15,030, 15,043, 15,066, 15,082, 15,088, 15,107, 15,143, 15,174,
- 15,182, 15,199, 15,208, 15,220, 15,230, 15,245, 15,259, 15,266, 15,277,
- 15,286, 15,330, 15,336, 15,354, 15,364, 15,368, 15,377.

Blew well to pit for clean up for 40 minutes. Shut well in until 8:30 P.M.. 10-28-73. SITP 4900 psi. Put well on production. 627 barrels oil in 9-1/2 hours ending 6:00 A.M., 10-29-73, produced from unstimulated well.

END OF MONTHLY REPORTS

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

EXXON CHEMICAL COMPANY U.S.A.



834-0000-1A

WATER ANALYSIS

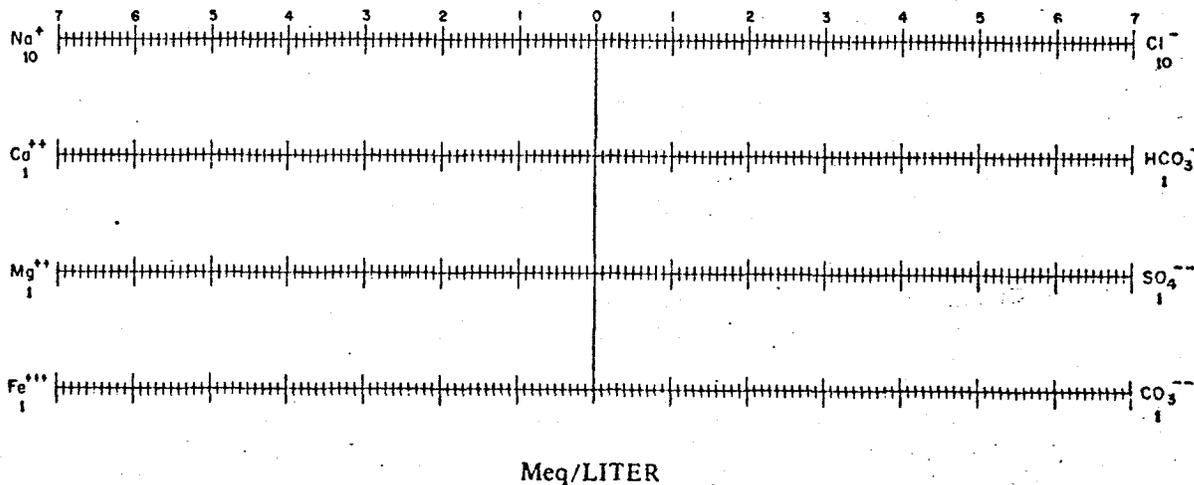
Houston Chemical Plant
8230 Stedman, Houston, Texas 77029

SAMPLE DESCRIPTION: Water from Cheney No. 1-4, Altamont Field, Utah

COMPANY:	Mapco Production Company, Roosevelt, Utah	DATE RECEIVED: April 1, 1975
STSR NUMBER:	75-6041-31	ANALYZED BY: C. S. Lieberman
REQUESTED BY:	F. H. Collett	

	<u>Mg/L</u>	<u>Meq/L</u>		
Sodium	1,810	79	pH	7.6
Calcium	112	5.6	Specific Gravity at <u>60</u> °F.	1.004
Magnesium	32	2.6		
Chloride	2,410	68		<u>Mg/L</u>
Sulfate	200	4.2	Oil Content	26
Bicarbonate	890	14.6	Organic Matter	
Carbonate	Nil	-	Hydrogen Sulfide	
Hydroxide	Nil	-	<u>Barium</u>	Nil
TOTAL	5,454			
Dissolved Iron				
Total Iron	2 ppm			

WATER PATTERN (Stiff Method)



Remarks:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney
14. PERMIT NO. 43-013-30222		9. WELL NO. 1 - 4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6977' G.L.		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4 T. 2 S., R. 5 W., USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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

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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 checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Well clean-up</u>	

(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.)*

2-5 thru
2-7-74: T.D. 15,500'; well shut in with 550 psi. Halliburton pumped 10,000 gallons 15% HCl acid containing 10 gallons 3N surfactant, 5 gallons HC-2 fines suspender, 5 gallons HAI-50 inhibitor, and 5 pounds FR-20 friction reducer per 1000 gallons of acid. Started pumping acid at 2.5 BPM. Pressure increased to 9200 psi. Pump rate was increased to 8 BPM with a reduction in pressure to 7200 psi. Pump rate was increased to 11 BPM. Pressure remained stable at 7200 psi. After pumping 2000 gallons of acid, 250 barrels of OS 130 unibeads were dropped. After pumping a total of 4000 gallons of acid, another 250 barrels of OS 130 unibeads were dropped. After the first batch of unibeads hit the formation, the pressure increased 400 psi in 3 minutes from 7200 to 7600 psi. Pressure decreased to 7400 psi. Second batch of unibeads hit formation with an increase in pressure of 400 psi in 6 minutes from 7400 psi to 7800 psi. Started flush at 7800 psi. Flushed with 500 gallons diesel fuel followed by 4450 gallons fresh water. Diesel and water in flush contained 5 pounds FR-20 friction reducer per 1000 gallons. Break down pressure 9200 to 7200 psi. Maximum pressure 9200 psi, average pressure 7500 psi. ISIP 2400 psi, after 5 minutes, 2000 psi; 15 mins., 1400 psi. Maximum rate 11.5 BPM, minimum rate 9 BPM, average rate 11 BPM. Shut in pressure at 1200 psi, 2-6-74, and after being shut in for 24 hours, pressure was at 1100 psi on 2-7-74. Well resumed flowing on 2-8-74. Continued on Page 2

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

SIGNED <u>E. J. Mite</u>	TITLE <u>Manager of Operations Northern District</u>	DATE <u>May 21, 1974</u>
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(This space for Federal or State office use)

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(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.
2. NAME OF OPERATOR MAPCO Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102		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 SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah		8. FARM OR LEASE NAME Cheney
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		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 4 T. 2 S., R. 5 W., USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

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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 checked="" type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Well clean-up.</u>	
(Other) <u>Well clean-up</u>		(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.)*

3-29-74: T.D. 15,500'; flowed 108 barrels of oil in 8 hours through 14/64" choke at 400 psi FTP. Shut in 16 hours. Rigged up NOWSCO and Halliburton. Started in hole with 3/4" continuous tubing while pumping hot (180° F) water. Ran tubing to 12,100', pumped 10 barrels water and then started injecting nitrogen at 375 SCFM. Pulled out of hole when tubing was full of nitrogen. Flowed well to treater until nitrogen reached surface, then turned it to pit. Flowed oil, gas, water and nitrogen to pit. When out of hole, flowed all nitrogen to pit and then attempted to go through treater, but the well died. Shut well in to build pressure through 3-31-74.

4-1 thru
4-5-74: T.D. 15,500'; well flowed from 339 barrels oil in 24 hours through 12/64" choke at 200 psi FTP to 7 barrels oil in 8 hours through 16/64" choke at 100 psi FTP. Well was then shut in to build pressure through 4-7-74.

4-8-74: T.D. 15,500'; flowed 146 barrels of oil in 2 hours through 12/64" choke at 800 psi FTP, 3 hours through 10/64" choke at 650 psi FTP, 7 hours through 16/64" choke at 500 psi FTP. Shut in 12 hours. Well had 500 psi on tubing prior to diesel job. Rigged up Halliburton and pumped 94 barrels of 90° F diesel. Minimum pump rate 2 BPM at 2300 psi. Maximum pump rate 4.5 BPM at 4700 psi. Final pump pressure was 4000 psi. ISIP was 2000 psi, 15 mins. SI pressure 1000 psi, SITP after 3 hours was 825 psi. Flowed well to tanks 3 1/2 hours on 10/64" choke at 650 psi FTP. Well producing only diesel, no gas.

CONTINUED ON PAGE 3

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

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form OGCC-1 b

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR MAPCO Inc.</p> <p>3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/4 NE/4 (1622' FNL & 2449' FEL) Section 4, T. 2 S., R. 5 W., USM Duchesne County, Utah</p> <p>14. PERMIT NO. 43-013-30222</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Cheney</p> <p>9. WELL NO. 1 - 4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SUBVY OR AREA Section 4 T. 2 S., R. 5 W., USM</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' G.L.</p>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input checked="" type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) Well clean-up</p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input checked="" type="checkbox"/></p> <p>(Other) Well clean-up.</p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>

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

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CONTINUED FROM PAGE 2

When well started making gas, put well through treater on 16/64" choke with 550 psi FTP with very good gas flare.

Well then put on continual production through 4-30-74.

5-1-74: T.D. 15,500'; rigged up Halliburton. Well shut in 6½ hours. Wellhead pressure 200 psi. Pumped 94 barrels diesel at 4.8 BPM. Pressure increased gradually from 200 psi up to 4300 psi. No breaks. ISIP 2800 psi. Started flowing well to tanks immediately on 10/64" choke. Pressure declined steadily to 50 psi and then to 20 psi. Shut well in after flowing 5½ hours and 12 barrels of diesel. Wellhead had 200 psi after being shut in 12 hours.

5-2 & 3: T.D. 15,500'; well shut in to build pressure.

5-4-74: T.D. 15,500'; well put on continual daily production.

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

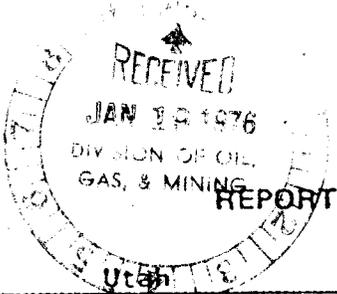
SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

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

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL & GAS CONSERVATION
 1588 WEST NORTH TEMPLE
 SALT LAKE CITY, UTAH 84116
 328-5771

Lease No. _____
 Federal Lease No. _____
 Indian Lease No. _____
 Fee & Pat. _____



REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY Duchesne FIELD/LEASE Altamont/Cheney

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
 OIL - December GAS - November, 19 75

Agent's Address Suite 320 Plaza West
1537 Avenue D
Billings, Montana 59102
 Phone No. 406/248-7406

Company MAPCO Inc.
 Signed J. M. Vogl J. M. Vogl
 Title Production Clerk

Well No.	Twp.	Range	Days Produced	Barrels of Oil	Gravity	November	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	REMARKS (if drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)	
						Cu. Ft. of Gas (in thousands)				
W NE Sec. 4	2 S	5 W	1	6	402	43	499 Est. by GOR	0	882	Shut in 26 days workover. Ran pressure survey. Lost 2 sets of tools in hole. Work over r pulled tubing found same parts. Fished tubing & tools milled u packer reran tubing & new packer.

Note: All volumes are corrected for temperature and pressure.

November 1975
 GAS: (MCF)
 Sold 0
 Flared/Vented 0
 Used On/Off Lease 8972 Res. Gas
 Water Disposition 882 Pit

OIL or CONDENSATE: (To be reported in Barrels)
 On hand at beginning of month 789
 Produced during month 402
 Sold during month 634
 Unavoidably lost: _____
 Reason: _____
 Transferred _____
 Rejected(1) _____
 Workover Oil (2) 100
 On hand at end of month 657

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. THIS REPORT MUST BE FILED IN DUPLICATE.
 (1) Lease crude reinjected during lease operations.
 (2) Oil Purchased, injected and produced subsequent to workover.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR MAPCO Inc.</p> <p>3. ADDRESS OF OPERATOR Suite 320 Plaza West 1537 Avenue D, Billings, Montana 59102</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW$\frac{1}{4}$ NE$\frac{1}{4}$ 1622' FNL & 2449' FEL Section 4</p> <p>14. PERMIT NO. 43-013-30222</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Cheney</p> <p>9. WELL NO. 1 - 4</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA T. 2 S., R. 5 W., USM</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6977' G.L. - 6995' K.B.</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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Perforate</u>	
(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.)*

- 6-13-74: Treated with 4000 gals. Gypsol followed by KCl water and Howco suds. Production decreased from 386 to 184 BOPD
- 2-20-75: Started well on gas lift after installing mandrels; production rose from 60 to 198 BOPD.
- 10-16-75: Acidized with 41,000 gals. 7-1/2% HCl containing Benzoic acid flakes in 7 stages.
- 3-5-76: Perforated 119' with 234 shots from 14,049' to 14,757' with 2-1/8" carrier gun with 6 gram shots which increased production to 130 BOPD.

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

SIGNED Agnes W. Model TITLE Geological Clerk & Secretary DATE AUG 17 1976
(Mrs. Agnes W. Model)

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY Alpine Executive Center		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202 Billings, MT 59102		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 SW/4 NE/4 1622' FNL & 2449' FEL		8. FARM OR LEASE NAME Cheney
14. PERMIT NO. 43-013-30222	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6977' GL, 6995' KB	9. WELL NO. 1-4
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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 checked="" 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) _____	
(Other) <u>Abandon Lower Wasatch</u>	<input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

SEE ATTACHED REPORT

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING

DATE 3/31/80

BY: [Signature]

RECEIVED

MAR 24 1980

DIVISION OF
OIL, GAS & MINING

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

SIGNED: Richard Baumann TITLE Engineering Technician DATE 3-21-80
Richard Baumann

(This space for Federal or State office use)

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

CURRENT CONDITIONS

7 5/8" casing to 12,590'.
5 1/2" liner f/12,323' to 15,495'. Cemented.
Perforations: 13,944' - 15,431'.
Baker Loc-set pkr at 12,265'.
55 jts 2 7/8", 6.5# N-80 Hydril tbg - Tailpipe - 1,763'. Set @ 14,028'.
384 jts 2 7/8", 6.5# N-80 Hydril.
52 jts 2 3/8", 4.7#/ft, J-55 sealock-heat string.
National pump cavity & Otis seal divider.

PROCEDURE

1. MIRU workover rig. Remove tree & NU BOP.
2. Pull heat string.
3. Release Baker pkr & POOH w/production tbg, hydraulic BHA, pkr & tailpipe. LD BHA & pkr. RIH w/slickline & tag PBDT. Order out additional 2 7/8" tbg to reach PBDT.
4. Run 2 7/8" tbg in hole w/tbg plug catcher on btm of btm jt. PU additional 2 7/8" tbg & RIH to 15,440' or PBDT, whichever is deeper.
5. RU pump truck. Pump 81 sacks light cement (12.4#/gal slurry). Drop tbg plug & displace tbg. (Tbg volume - 89 bbls). POOH w/tbg to 14,050'. Pressure up tbg to open sleeve. POOH.
NOTE: If PBDT is higher than 15,440', adjust volume of cement, so top of cement will not be above 14,100'.
6. RU perforators. PU & run permanent bridge plug on wireline. Set @ 14,030'. POOH
7. Run Gamma ray correlation log from 12,500' to 10,000'.
8. Perforate 128' in Wasatch Red Beds using a 4" casing gun loaded 2 shots per foot. Use full lubricator. See attached list of perms.
9. RD perforators.
10. If necessary, kill well. PU 7 5/8" Baker Loc-set pkr, Hydraulic BHA, and RIH on @ 2 7/8" production tbg. Drift all tbg going in hole. Set pkr @ 11,900'.
11. Run heat string. ND BOP & NU wellhead. Pressure test standing valve.
12. Circulate tbg to clean it up & then drop pump & put on production.
13. Produce well to clean up prior to stimulation.
14. When well has cleaned up, surface pump. Pull standing valve and run acidizing sleeve.

15. Acidize well with 26,000 gal 15% HCl using balls, benzoic acid flakes and rock salt for diversion. Use 500 SCFN2 per bbl of acid. Flush with formation water. Flow well back immediately after job.
16. When well quits flowing, pull acidizing sleeve & run standing valve. Drop pump & put on production.

<u>Proposed Perfs</u> <u>BHC Sonic Depth</u>		<u>GO International</u> <u>GR Correlation Depth (10-24-73)</u>
13,958-962	4'	13,956-960
13,940-946	6'	13,938-944
13,802-820	18'	13,800-818
13,658-664	6'	13,658-664
13,616-618	2'	13,613-615
13,600-603	3'	13,598-600
13,591-595	4'	13,588-592
13,547-557	10'	13,544-554
13,426-430	4'	13,424-428
13,210-222	12'	13,206-218
13,038-046	8'	13,033-041
13,020-024	4'	13,015-019
13,012-014	2'	13,007-009
12,993-995	2'	12,988-990
12,890-894	4'	12,885-889
12,860-864	4'	12,856-860
12,360-367	7'	
12,346-352	6'	
12,192-198	6'	
12,144-158	14'	
12,018-024	6'	
21 intervals	<u>128'</u>	

2-14-80
 GLE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR <u>MAPCO PRODUCTION COMPANY</u> <u>Alpine Executive Center</u></p> <p>3. ADDRESS OF OPERATOR <u>1643 Lewis Ave., Suite 202</u> <u>Billings, MT 59102</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>SW/4 NE/4 1622' FNL & 2449' FEL</u></p> <p>14. PERMIT NO. <u>43-013-30222</u></p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME <u>Cheney</u></p> <p>9. WELL NO. <u>1-4</u></p> <p>10. FIELD AND POOL, OR WILDCAT <u>Altamont</u></p> <p>11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA <u>Section 4,</u> <u>T. 2 S., R. 5 W., USM</u></p> <p>12. COUNTY OR PARISH <u>Duchesne</u></p> <p>13. STATE <u>Utah</u></p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) <u>6977' GL, 6995' KB</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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Abandon Lower Wasatch</u>	<input checked="" type="checkbox"/>

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

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

SEE ATTACHED SHEET

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

SIGNED Richard Baumann TITLE Engineering Technician DATE 8-20-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

MAPCO PRODUCTION COMPANY
PERFORATING AND ACIDIZING RECORD
CHENEY 1-4

Perforated the following intervals, .23 gm, yielding a .43" hole:
(Wasatch Red Beds)

JOB #1

13,800-808
13,658-664
13,613-615
13,598-600
13,588-592
13,544-554
13,424-428
13,206-208

Acidized with 10,000 gal 15% HCl, 290,000 scf Nitrogen.

JOB #2

13,020-024
13,012-014
12,993-995
12,890-894
12,860-864
12,360-367
12,346-352
12,192-198
12,144-158
12,038-046
12,018-024

Set cement retainer at 14,030'. Spotted 75 sacks into liner, permanently abandoning Lower Wasatch. Set BP permanently at 13,920'. Set 10 sacks cement on top of BP. The BP was set to isolate a zone above the cement retainer. The zone was originally left open because it had some good shows, but upon testing, proved to be depleted.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL. 1*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cheney

9. WELL NO.

1-4

10. FIELD AND POOL, OR WILDCAT

Altamont

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

Sec. 4, T2S, R5W, USM

12. COUNTY OR PARISH

Duchesne

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 _____

2. NAME OF OPERATOR MAPCO Production Company

Alpine Executive Center

3. ADDRESS OF OPERATOR 1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SW NE (1622' FNL & 2449' FEL), Sec 4, T2S, R5W, USM

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

43-013-30222

15. DATE SPUNDED 5-25-73 16. DATE T.D. REACHED 9-18-73 17. DATE COMPL. (Ready to prod.) 7-25-80 18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 6977' FL - 6995' KB 19. ELEV. CASINGHEAD 6977'

20. TOTAL DEPTH, MD & TVD 15,500' 21. PLUG, BACK T.D., MD & TVD 13,882' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS SURF-T.D. CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Wasatch Red Beds 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN Original Completion 27. WAS WELL CORED no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	6774'	12-1/4"	3360 sacks	
7-5/8"	26.4, 29.7#	12,590'	8-3/4"	950 sacks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	12,323'	15,495'	625		2-7/8"		
					2-3/8"	11,814'	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
10-29-73	Evaluating Workover - No production	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
1- Perforating and Acidizing Record

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

SIGNED Richard Bannan TITLE Engineering Tech. DATE 9-9-80

MAPCO PRODUCTION COMPANY
PERFORATING AND ACIDIZING RECORD
CHENEY 1-4

Perforated the following intervals, .23 gm, yielding a .43" hole:
(Wasatch Red Beds)

JOB #1

13,800-808
13,658-664
13,613-615
13,598-600
13,588-592
13,544-554
13,424-428
13,206-208

Acidized with 10,000 gal 15% HCl, 290,000 scf Nitrogen.

JOB #2

13,020-024
13,012-014
12,993-995
12,890-894
12,860-864
12,360-367
12,346-352
12,192-198
12,144-158
12,038-046
12,018-024

Set cement retainer at 14,030'. Spotted 75 sacks into liner, permanently abandoning Lower Wasatch. Set BP permanently at 13,920'. Set 10 sacks cement on top of BP. The BP was set to isolate a zone above the cement retainer. The zone was originally left open because it had some good shows, but upon testing, proved to be depleted.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUP

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

** REVISED **

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
MAPCO Production Company
Alpine Executive Center

3. ADDRESS OF OPERATOR
1643 Lewis Ave., Suite 202
Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SW NE (1622' FNL & 2449' FEL), Sec 4, T2S, R5W, USM
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 43-013-30222 DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cheney

9. WELL NO.

1-4

10. FIELD AND POOL, OR WILDCAT

Altamont

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

Sec. 4, T2S, R5W, USM

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPUDDED 5-25-73 16. DATE T.D. REACHED 9-18-73 17. DATE COMPL. (Ready to prod.) 7-25-80 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 6977' FL - 6995' KB 19. ELEV. CASINGHEAD 6977'

20. TOTAL DEPTH, MD & TVD 15,500' 21. PLUG, BACK T.D., MD & TVD 13,882' 22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY ROTARY TOOLS SURF-T.D. CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Wasatch Red Beds 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN Original Completion 27. WAS WELL CORED no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	6774'	12-1/4"	3360 sacks	
7-5/8"	26.4, 29.7#	12,590'	8-3/4"	950 sacks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	12,323'	15,495'	625		2-7/8"		
					2-3/8"	11,814'	

31. PERFORATION RECORD (Interval, size and number)
SEE ATTACHMENT

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT

33. PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flooding, gas lift, pumping—size and type of pump) Evaluating Workover - No production WELL STATUS (Producing or shut-in) Shut In

DATE OF TEST _____ HOURS TESTED _____ CHOKER SIZE _____ PROD'N. FOR BEST 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
1- Perforating and Acidizing Record

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

SIGNED Robert B. ... TITLE Engineering Tech. DATE 9-9-80

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.

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Lower Gr River	10,327	
Top Wasatch Red Beds	11,998	
Base Wasatch Red Beds	14,120	

MAPCO PRODUCTION COMPANY
PERFORATING AND ACIDIZING RECORD
CHENEY 1-4
(REV. 9-15-80)

4/26-4/29 Set cement retainer at 14,030'. Spotted 75 sacks into liner, permanently abandoning Lower Wasatch. Set BP permanently at 13,920'. Set 10 sacks cement on top of BP. The BP was set to isolate a zone above the cement retainer. The zone was originally left open because it had some good shows, but upon testing, proved to be depleted.

5-2-80 Perforated the following intervals, .23 gram, yielding a .43" hole:
(Wasatch Red Beds)

JOB #1
13,800-808
13,658-664
13,613-615
13,598-600
13,588-592
13,544-554
13,424-428
13,206-208

6-27-80 Acidized with 10,000 gal 15% HCl, 290,000 scf Nitrogen.

7-22-80 JOB #2
13,020-024
13,012-014
12,993-995
12,890-894
12,860-864
12,360-367
12,346-352
12,192-198
12,144-158
12,038-046
12,018-024



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPL. 2-

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

** REVISED **

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cheney

9. WELL NO.

1-4

10. FIELD AND POOL, OR WILDCAT

Altamont

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

Sec 4, T2S, R5W, USM

12. COUNTY OR PARISH
Duchesne

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 _____

2. NAME OF OPERATOR MAPCO Production Co.
1643 Lewis Ave., Suite 202

3. ADDRESS OF OPERATOR Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SW NE (1622' FNL & 2449' FEL), Sec 4, T2S, R5W, USM

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. 43-013-30222 DATE ISSUED

15. DATE SPUNDED 5-25-73 16. DATE T.D. REACHED 9-18-73 17. DATE COMPL. (Ready to prod.) 7-25-80 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6977' FL - 6995' KB 19. ELEV. CASINGHEAD 6977'

20. TOTAL DEPTH, MD & TVD 15,500' 21. PLUG, BACK T.D., MD & TVD 13,882' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY Surf-T.D. ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Wasatch Red Beds 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Original Completion 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	6774'	12-1/4"	3360 sacks	
7-5/8"	26.4, 29.7#	12,590'	8-3/4"	950 sacks	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5-1/2"	12,323'	15,495'	625		2-7/8"	11,814'	11,814'
					2-3/8"	2,846'	

31. PERFORATION RECORD (Interval, size and number) SEE ATTACHMENT

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHMENT	

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8-3-80	Pumping	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-3-80	24	--	→	21	16	167	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0	0	→	21	16	167	762	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold and used on lease TEST WITNESSED BY

35. LIST OF ATTACHMENTS 1. Perforating and Acidizing Record

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

SIGNED Richard Baumann TITLE Engineering Tech. DATE (Rev. 10-27-80)
Richard Baumann

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Lower Green Rv	10,327	
				Top Wasatch Red Beds	11,998	
				Base Wasatch Red Beds	14,120	

MAPCO PRODUCTION COMPANY
PERFORATING AND ACIDIZING RECORD
CHENEY 1-4
(REV. 9-15-80)

4/26-4/29 Set cement retainer at 14,030'. Spotted 75 sacks into liner, permanently abandoning Lower Wasatch. Set BP permanently at 13,920'. Set 10 sacks cement on top of BP. The BP was set to isolate a zone above the cement retainer. The zone was originally left open because it had some good shows, but upon testing, proved to be depleted.

5-2-80 Perforated the following intervals, .23 gram, yielding a .43" hole:
(Wasatch Red Beds)

JOB #1
13,800-808
13,658-664
13,613-615
13,598-600
13,588-592
13,544-554
13,424-428
13,206-208

6-27-80 Acidized with 10,000 gal 15% HCl, 290,000 scf Nitrogen.

7-22-80 JOB #2
13,020-024
13,012-014
12,993-995
12,890-894
12,860-864
12,360-367
12,346-352
12,192-198
12,144-158
12,038-046
12,018-024

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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. Fee
2. NAME OF OPERATOR MAPCO PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR c/o Linmar Energy Corp, P.O. Box 1327, Roosevelt, UT 84066		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 1622' FNL 2449' FEL (SWNE)		8. FARM OR LEASE NAME Cheney
14. PERMIT NO. API#43-013-30222	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6995' KB	9. WELL NO. 1-4B5
		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 4-T2S-R5W, USM
		12. COUNTY OR PARISH Duchesne
		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>Change of Operator</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.)*

Linmar Energy Corporation has purchased Mapco's interest in the Altamont Field, effective October 1, 1983.

Linmar Energy is now, therefore, the Operator of this well.

18. I hereby certify that the foregoing is true and correct.
SIGNED [Signature] TITLE Superintendent DATE Nov 30, 19 83
(This space for Federal or State office use)

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

LINMAR PETROLEUM COMPANY
1979 East Tufts Avenue Parkway, Suite 604
Denver, Colorado 80237
(303) 773-8003

111202

November 6, 1987

State of Utah
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

ATTN: Tami Searing

Re: Change of Operator

14503

Dear Ms. Searing:

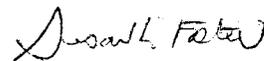
Enclosed is a Sundry Notice, in triplicate, evidencing Change of Operator effective November 1, 1987, from Linmar Energy Corporation to Linmar Petroleum Company covering the wells listed on the Exhibit "A" attached thereto. Such listing of wells should cover all the wells in which you currently show Linmar Energy Corporation as Operator.

If you have any questions whatsoever or if you need any additional information, please do not hesitate to call me collect at (303) 773-8003.

Thank you so very much for all of your assistance and cooperation in this matter.

Very truly yours,

LINMAR PETROLEUM COMPANY



Susan L. Foster
Land Consultant

SLF:jgm

Enclosures

cc: Ed Whicker, Field Superintendent, Linmar Petroleum Company

NOV 9 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR See Below		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR See Below		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		8. FARM OR LEASE NAME
14. PERMIT NO.		9. WELL NO. See Exhibit "A" Attached Hereto
15. ELEVATIONS (Show whether DT, RT, OR, etc.)		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., W., OR BLK. AND SURVEY OR LANA See Exhibit "A" Attached Hereto
		12. COUNTY OR PARISH Duchesne & Uintah Counties
		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) _____	
(Other) _____	Change of Operator <input checked="" type="checkbox"/>	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

CHANGE OF OPERATOR
(Effective November 1, 1987)

FROM:
Company Name: Linmar Energy Corporation
Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
Telephone No.: (303) 773-8003

TO:
Company Name: Linmar Petroleum Company **19503**
Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
Telephone No.: (303) 773-8003

18. I hereby certify that the foregoing is true and correct
LINMAR ENERGY CORPORATION
SIGNED BY: B. J. Lewis TITLE Vice President DATE November 6, 1987
R. J. Lewis
(This space for Federal or State office use)

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

NOV 9 1987

EXHIBIT "A"

Attached to and made a part of that certain Sundry Notice covering
Change of Operator from Linmar Energy Corporation to Linmar
Petroleum Company

<u>WELL NAME</u>	<u>SECTION; TOWNSHIP AND RANGE</u>
Clark 2-9A3 <u>43-013-30876</u>	Section 9, Township 1 South, Range 3 West
Leslie Ute 1-11A3 <u>43-013-30893</u>	Section 11, Township 1 South, Range 3 West
L. B. Ute 1-13A3 <u>43-013-30894</u>	Section 13, Township 1 South, Range 3 West
Allred 1-16A3 <u>43-013-30232</u>	Section 16, Township 1 South, Range 3 West
Jenkins 3-16A3 <u>43-013-30877</u>	Section 16, Township 1 South, Range 3 West
✓ Allred 1-16A3 T- <u>43-013-30232 (WSTC)</u>	Section 16, Township 1 South, Range 3 West
Marshall 1-20A3 <u>43-013-30193</u>	Section 20, Township 1 South, Range 3 West
Lauren Ute 1-23A3 <u>43-013-30895</u>	Section 23, Township 1 South, Range 3 West
Fisher 1-16A4 <u>43-013-30737</u>	Section 16, Township 1 South, Range 4 West
Jessen 1-17A4 <u>43-013-30173 (GRWS)</u>	Section 17, Township 1 South, Range 4 West
State 1-19A4 <u>43-013-30322</u>	Section 19, Township 1 South, Range 4 West
Miles 1-30A4 <u>43-013-30300</u>	Section 30, Township 1 South, Range 4 West
Birch 1-26A5 <u>43-013-30153 (GRWS)</u>	Section 26, Township 1 South, Range 5 West
Christensen 2-26A5 <u>43-013-30905</u>	Section 26, Township 1 South, Range 5 West
Jensen 1-29A5 <u>43-013-30154</u>	Section 29, Township 1 South, Range 5 West
Jensen 2-29A5 <u>43-013-30974</u>	Section 29, Township 1 South, Range 5 West
Jensen 1-31A5 <u>43-013-30186</u>	Section 31, Township 1 South, Range 5 West
Barrett 1-34A5 <u>43-013-30323</u>	Section 34, Township 1 South, Range 5 West
Birch 1-35A5 <u>43-013-30233</u>	Section 35, Township 1 South, Range 5 West
✓ Birch 2-35A5 <u>PA. Re-winded 43-013-31077</u>	Section 35, Township 1 South, Range 5 West
Stevenson 1-36A5 <u>43-013-30196</u>	Section 36, Township 1 South, Range 5 West
Ford 2-36A5 <u>43-013-30911</u>	Section 36, Township 1 South, Range 5 West
Cheney 1-4B5 <u>43-013-30222</u>	Section 4, Township 2 South, Range 5 West
✓ Edwards 2-4B5 <u>43-013-30901</u>	Section 4, Township 2 South, Range 5 West

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(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 GAS WELL OTHER

2. NAME OF OPERATOR
Linmar Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 1327, Roosevelt, Utah 84066

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

1622' FNL, 2449' FEL (SWNE)

14. PERMIT NO.
43-013-30222

15. ELEVATIONS (Show whether OF, AT, OR, etc.)
6995' GR

RECEIVED
FEB 16 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
Fee

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
CHENEY

9. WELL NO.
1-4B5

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., M., OR BLK. AND
SUBVY OR AREA
Sec. 4, T2S, R5W, USM

12. COUNTY OR PARISH
Duchesne

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"/>	FULL 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 checked="" 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) <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.)*

Linmar intends to plug and abandon the subject well. Enclosed are the following:
1) Plug and abandon procedure.
2) Current wellbore diagram.
3) Proposed wellbore diagram.

See attached Conditions of Approval.

APPROVED BY THE STATE
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

3-1-89
John R. Bay

18. I hereby certify that the foregoing is true and correct
SIGNED *Carroll Estes* TITLE Production Engineer DATE 2-15-89

(This space for Federal or State office use)

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

LINMAR PETROLEUM COMPANY
Roosevelt, UT 84066

Cheney 1-0485
AFE# M10485-881
December 27, 1988

WELL DATA:

Perforations: 12,018-13,800' (218 holes)
CIBP: 5 1/2" @13,920
Packer Depth: 7 5/8", 29.7# Lockset packer @ 11,783'
Tubing: 27 Jts 2 7/8" N-80 Nu-Lock, 28jts N-80 Seal-lock,
321jts J-55 8rd tbg
Heat String: 95jts 2 3/8"
Surface Casing: 9 5/8" 40# K55 ST&C set @ 6,774'
Production Casing: 7 5/8", 26.4-29.7# N-80 set @ 12,590'
Liner: 5 1/2" P110, 12,323'-15,455'
PSTD: 13,920'

PROCEDURE:

1. MIRU workover rig. NU BOPE. Install 2 3/8" offset rams.
2. POOH LD 2 3/8" tbg. Change to 2 7/8" rams. POOH SB 12,000' tbg. LD remainder of tbg, National V cavity and Baker Lockset packer. RIH w/ 7" wax knife and 7 5/8" csg scraper to 12,000'. PU 7 5/8" CIBP and set at 12,000±.
3. RU Dowell. RIH open ended and pump as follows:
 - a) Spot 50 sacks(100'+) Class G cement on CIBP @ 12,000'±.
 - b) Displace hole with 500 bbls heavy mud.
 - c) POOH and lay down pipe to 6,774'±. Open surface valve and fill 9 5/8" casing annulus with 640 sacks class G cement.
 - d) Spot 50 sacks(100'+) class G cement at 6,774'.
 - e) POOH and lay down remaining 2 7/8" tubing.
 - f) Fill hole with 20 bbls heavy mud.
 - g) Cut off well head.
 - h) PU 1.9" tbg and RIH to 100'. Pump Class G cement to surface.
 - i) Fill cellar with cement and install dry hole marker.
4. RDMD service. unit
5. Equipment bid winners will disassemble and haul off battery.
6. MI dirt contractors and contour location to original grade. Obtain signed release from land owner.

12/29/88
CEE/090

Current Well Bore Diagram
Carmen 1-04B5

Well Name: M104B5

Date: 01/26/89

Rig:

KB: 18'

Tubing:

TD'd: 9/27/73

Bkr Lockset okr

Completed: 10/29/73

Otis seal divider

4' pup

National cavity

376 jts @ 7/8"

NuioK

Surface Casing @6,774'

9 5/8", 40#, K-55

Ht String:

95 jts @ 3/8"

Sealock

|XXX: :XXX|(-

Baker 7 5/8", Lok-set

Packer @11,783'

Liner too:12,323'

->|(| |>|

7 5/8" Shoe: 12,590'

304 jts @ 26.4#, 29.7#

CF-95, Buttress & LTC

|(-Perfs: 4) 5-2-80: 13,206'-13,808'

5) 7-22-80: 12,018'-13,024'

|XXXXXX|(-5 1/2" CIBP@13,920'

|(-Perfs: 1) 10-28-73 13,944-15,377'

2) 3-5-76 14,400'-14,757'

3) 11-20-76: 14,780'-15,431'

|(-5 1/2" Liner

| 76 jts, 23#, P-110 Hydri1

Shoe: 14,495'

CONDITIONS OF APPROVAL FOR PLUGGING AND ABANDONMENT
Cheney 1-4B5 Well
March 1, 1989

1. The operator shall notify the Division of Oil, Gas and Mining at least 24 hours prior to the commencement of plugging and abandonment operations to allow for witnessing of operations by a Division representative.

013/54

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Cheney 1-485

Suspense
(Return Date) _____

Other

(Location) Sec 4 Twp 25 Rng 50
(API No.) 43-013-30222

(To - Initials) _____

1. Date of Phone Call: 3-24-89 Time: 10:00 AM

2. DOGM Employee (name) Jimmie Thompson (Initiated Call)
Talked to:

Name Doug Howard (Initiated Call) - Phone No. (801) 722-4546

of (Company/Organization) LeuMar Petroleum

3. Topic of Conversation: Change in plugging program.

4. Highlights of Conversation: Mr Howard called, because on the original plugging program, stated that LeuMar may need to perforate and squeeze 7 5/8" casing, to be sure there was enough cement behind the casing to cover the distance to the 9 5/8" casing. According to the well report 950 sac was pumped down 7 5/8" into it was set SLT/SRB - Calculated volume for 7 5/8" casing, and determined enough cement had been pumped to cover the void from 7 5/8" to 9 5/8". SLT gain ok to set 100' plug @ 6774' in the 9 5/8" and go up hole, with mud and set 100' surface plug. Mr Howard will send in Sunday with Change and well done.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(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 GAS WELL OTHER

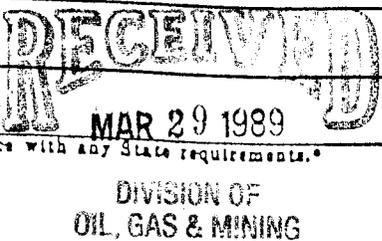
2. NAME OF OPERATOR
Linmar Petroleum Company

3. ADDRESS OF OPERATOR
P.O. Box 1327, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1622' FNL 2449' FEL (SWNE)

14. PERMIT NO.
43-013-30222

15. ELEVATIONS (Show whether of, AT, OR, etc.)
6995 GR



5. LEASE DESIGNATION AND SERIAL NO.
FEE

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Cheney

9. WELL NO.
1-4B5

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., R., W., OR BLK. AND SURVEY OR AREA
Sec. 4, T2S, R5W. USM

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

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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 PLANA <input type="checkbox"/>	(Other) Change of Procedure <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.) *

A change in the procedure to plug and abandon the subject well was made after receiving verbal approval to do so from Jim Thompson on March 24, 1989 at 11:00 AM. Step #3, part b, of the original approved procedure (attached) called for filling the 7-5/8" - 9-5/8" casing annulus with cement. It was not possible to pump into the annulus through the surface valve. After discussion with Jim Thompson and John Baza of the Division of Oil, Gas and Mining it was decided that records of the primary cement job on the 7-5/8" casing indicated that there was sufficient cement in the casing annulus and additional cement would not be required to plug the well. There fore no additional cement was pumped into the annulus. Fifty sacks of cement (200+' plug) were spotted at 6774' inside the 7-5/8" casing across the 9-5/8" casing shoe as required in step #3, part c, and the remainder of the plugging was done as described in the approved procedure.

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

SIGNED [Signature] TITLE Division Engineer DATE March 27, 1989

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Cheney 1-0485
AFE# M10485-001
December 27, 1988

WELL DATA:

Perforations: 12,018-13,800' (218 holes)
CIBP: 5 1/2" @13,920
Packer Depth: 7 5/8", 29.7# Lockset packer @ 11,703'
Tubing: 27 Jts @ 7/8" N-80 Nu-Lock, 28jts N-80 Seal-lock,
32jts J-55 8rd tbg
Heat String: 95jts @ 3/8"
Surface Casing: 9 5/8" 40# K55 ST&C set @ 6,774'
Production Casing: 7 5/8", 26.4-29.7# N-80 set @ 12,590'
Liner: 5 1/2" P110, 12,323'-15,495'
PSTD: 13,920'

PROCEDURE:

1. MIRU workover rig. NU ROPE. Install @ 3/8" offset rams.
2. POOH LD @ 3/8" tbg. Change to @ 7/8" rams. POOH SB 12,000'
tbg. LD remainder of tbg, National V cavity and Baker Lockset
packer. RIH w/ 7" wax knife and 7 5/8" csg scraper to
12,000'. PU 7 5/8" CIBP and set at 12,000±.
3. RU Dowell. RIH open ended and pump as follows:
 - a) Spot 50 sacks(100'+) Class G cement on CIBP @ 12,000'±.
 - b) Displace hole with 500 bbls heavy mud.
 - c) POOH and lay down pipe to 6,774'±. Open surface valve and
fill 9 5/8" casing annulus with 640 sacks class G cement.
 - d) Spot 50 sacks(100'+) class G cement at 6,774'.
 - e) POOH and lay down remaining @ 7/8" tubing.
 - f) Fill hole with 20 bbls heavy mud.
 - g) Cut off well head.
 - h) PU 1.9" tbg and RIH to 100'. Pump Class G cement
to surface.
 - i) Fill cellar with cement and install dry hole marker.
4. RDMD service. unit
5. Equipment bid winners will disassemble and haul off battery.
6. MI dirt contractors and contour location to original grade.
Obtain signed release from land owner.

12/29/88
DSE/090

107

SURFACE RESTORATION RELEASE
June 9, 1988

This agreement, by and between Zane Christensen, of Edupack, Utah, hereinafter referred to as CHRISTENSEN, and Linmar Petroleum Company, of 80 South Main Street, Roosevelt, Utah, Hereinafter referred to as LINMAR, provides for full and final settlement of surface damages and restoration pertaining LINMAR's operation of the Cheney 1-0485 and the Edwards 2-0485 oilwells, located in Section 4 - Township 2 South - Range 5 West, Uintah Special Base and Meridian, Duchesne County, Utah.

For and in consideration of the amount of Seven Thousand, Five Hundred Dollars (\$7,500.00), in hand paid by LINMAR to CHRISTENSEN, the receipt and sufficiency of which is hereby acknowledged, CHRISTENSEN agrees to hold LINMAR harmless for any damages done to lands of CHRISTENSEN, prior to the date of this agreement and related to the construction, operation, and abandonment of the subject well.

CHRISTENSEN agrees that LINMAR is to be allowed to remove equipment suitable for its operations elsewhere, until and including October 1, 1989. Any equipment remaining after that date is to be the sole property and liability of CHRISTENSEN, to be used or disposed of at the sole discretion, cost, and benefit of CHRISTENSEN.

LINMAR agrees to leave, at minimum, two 1,000 barrel bolted tanks and surface lines from the Tank Battery to the Well.

CHRISTENSEN agrees that LINMAR may leave any other equipment or materials that LINMAR does not wish to remove.

CHRISTENSEN agrees to accept all obligations for surface restoration of the subject lands, previously agreed to by LINMAR, either directly, by assignment, or by regulation.

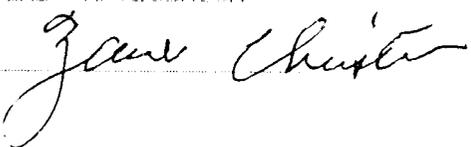
The terms, conditions and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement this Ninth day of June, 1988.

LINMAR PETROLEUM COMPANY

Zane Christensen

by 
Douglas G. Howard
Division Engineer



STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

On this 9th Day of June, 1989, before me, E. B. Whicker, a Notary Public in and for said County, personally appeared Douglas G. Howard, known to me to be the identical person described in and who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed for the purpose and consideration therein expressed. IN WITNESS WHEREOF I have hereunto set my official signature and affixed my notarial seal the day and year first above written.

E. B. Whicker
Notary Public
Residing at Roosevelt, Utah

My Commission Expires: April 20, 1990

STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

On this 9th Day of June, 1989, before me, E. B. Whicker, a Notary Public in and for said County, personally appeared Zane Christensen the identical person described in and who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed, for the purpose and consideration therein expressed. IN WITNESS WHEREOF I have hereunto set my official signature and affixed my notarial seal the day and year first above written.

E. B. Whicker
Notary Public
Residing at ROOSEVELT, UT

My Commission Expires: 20 APR 1990

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Check for instructions on
reverse side)

7

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

2. NAME OF OPERATOR
Linmar Petroleum Company 1-722-4546

3. ADDRESS OF OPERATOR
P.O. Box 1327, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1622' FNL, 2449' FEL (SWNE)

14. PERMIT NO.
43-013-30222

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

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cheney

9. WELL NO.
1-485

10. FIELD AND POOL, OR WILDCAT
Altamont

11. SEC., T., S., M., OR BLK. AND
SUBVY OR AREA
Sec. 4, T2S, R5W

12. COUNTY OR PARISH
Duchesne

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 checked="" type="checkbox"/>	ABANDONMENT* <input 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.)

Linmar Petroleum Company has completed its obligation to the land owner, Zane Christensen, on restoration of the Cheney 1-485 wellsite, as per the attached agreement. Linmar is requesting that the surety bond for the subject well be released. Please contact the above address if any other information is required.

OIL AND GAS	
DRN	RJF
JRS	GLH
DTC	SLS
1-AWS ✓	

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

2. SIGNED [Signature] TITLE Production Engineer DATE 10-25-89

3. (This space for Federal or State office use)

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

Linmar Petroleum Company
P.O. Box 1327
Roosevelt, UT 84066

RECEIVED
FEB 27 1990

February 26, 1990

DIVISION OF
OIL, GAS & MINING

Mr. Ron Firth
State Of Utah Division of Oil, Gas, and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Edwards 2-4B5, Cheney 1-4B5
Surety Bond Release

Dear Mr. Firth:

The Edwards 2-4B5, Sec. 4-T2S, R5W, was plugged and abandoned on February 18, 1989 and was witnessed by DOGM representative Gary Garner. Surface restorations were completed on June 9, 1989 and an affidavit was signed by the surface owner, Lewis Edwards, releasing Linmar from the surface agreement. Enclosed is a copy of the agreement.

The Cheney 1-4B5, Sec. 4-T2S, R5W was plugged and abandoned on March 26, 1989 with surface restorations completed on August 7, 1989. Attached is a copy of Surface Restoration Release signed by Zane Christensen.

Linmar filed a request for release of the subject wells from the blanket surety bond on September 18, 1989. To date, Linmar has not received any notification of release from the DOGM.

State of Utah Oil and Gas Conservation Rules, Section R615-3-15, state; "30 days after a request of bond release has been filed with the division, the operator shall submit a signed affidavit from the surface landowner of the well site certifying that restoration has been performed as required by the mineral lease and surface agreement. Within 60 days from the filing of a bond release request, if a public hearing is not held pursuant to R615-3-1-15.1, the division shall provide written notification of the decision to approve or not approve the bond release to the following parties".

Linmar understands that the Edwards and Cheney are named with several other wells on a blanket surety bond and that the bond cannot be released. Since the requirements for bond release have been satisfied on the subject wells, Linmar requests that their names be removed from the bond. Please advise this office if additional measures need to be taken in order to obtain the release.

Sincerely,

E. B. Whicker

E. B. Whicker
Manager of Operations

mbg

SURFACE RESTORATION AGREEMENT

August 7, 1989

This agreement, by and between The Lewis & Amanda Edwards Family Limited Partnership, hereinafter referred to as EDWARDS, and Linmar Petroleum Company, of 80 South Main Street, Roosevelt, Utah, Hereinafter referred to as LINMAR, provides for full and final settlement of surface damages pertaining LINMAR's operation of the Edwards 2-04B5 oilwell, located in the SW1/4 of Section 4 - Township 2 South - Range 5 West, Uintah Special Base and Meridian, Duchesne County, Utah.

For and in consideration of the amount of Two Thousand Dollars (\$2,000.00), in hand paid by LINMAR to EDWARDS, the receipt and sufficiency of which is hereby acknowledged, EDWARDS agrees to hold LINMAR harmless for any damages done to lands of EDWARDS, prior to the date of this agreement and related to the construction, operation, and abandonment of the subject well.

EDWARDS agrees that LINMAR is to be allowed to remove equipment suitable for its operations elsewhere, until and including October 1, 1989. Any equipment remaining after that date is to be the sole property and liability of EDWARDS, to be used or disposed of at the sole discretion, cost, and benefit of EDWARDS.

EDWARDS agrees that LINMAR may leave any equipment, concrete, or materials, on the property as of this date, that LINMAR does not wish to remove.

EDWARDS agrees to accept all obligations for surface restoration of the subject lands, previously agreed to by LINMAR, either directly, by assignment, or by regulation.

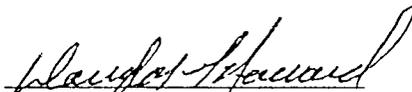
The terms, conditions and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors and assigns.

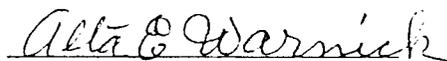
IN WITNESS WHEREOF, the parties hereto have executed this agreement this Seventh day of August, 1989.

LINMAR PETROLEUM COMPANY

The Lewis & Amanda Edwards
Family Limited Partners

by


Douglas G. Howard
Division Engineer


Alta E. Warnick
Executor

STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

On this 7th Day of August, 1989, before me,
E. B. Whicker, a Notary Public in and for said County,
personally appeared Douglas G. Howard, known to me to be the
identical person described in and who executed the within and
foregoing instrument, and acknowledged to me that he executed
the same as his free and voluntary act and deed for the purpose
and consideration therein expressed. IN WITNESS WHEREOF I have
hereunto set my official signature and affixed my notarial seal
the day and year first above written.

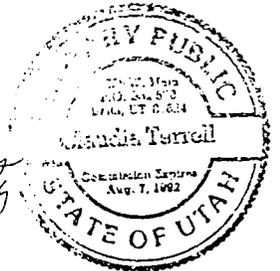
E. B. Whicker
Notary Public
Residing at Roosevelt, Utah

My Commission Expires: April 20, 1990

STATE OF UTAH)
)ss.
COUNTY OF _____)

On this _____ Day of _____, 1989, before me,
_____, a Notary Public in and for said County,
personally appeared Alta E. Warnick, known to me to be the
identical person described in and who executed the within and
foregoing instrument, and acknowledged to me that she executed
the same as her free and voluntary act and deed, for the
purpose and consideration therein expressed. IN WITNESS WHEREOF
I have hereunto set my official signature and affixed my
notarial seal the day and year first above written.

Claudia Terrell
Notary Public
Residing at Millard County



My Commission Expires: Aug. 7, 1992

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SURFACE RESTORATION RELEASE
June 9, 1989

This agreement, by and between Zane Christensen, of Luluaga, Utah, hereinafter referred to as CHRISTENSEN, and Linmar Petroleum Company, of 80 South Main Street, Roosevelt, Utah, Hereinafter referred to as LINMAR, provides for full and final settlement of surface damages and restoration pertaining LINMAR's operation of the Cheney 1-0485 and the Edwards 2-0185 oilwells, located in Section 4 - Township 2 South - Range 5 West, Uintah Special Base and Meridian, Duchesne County, Utah.

For and in consideration of the amount of Seven Thousand, Five Hundred Dollars (\$7,500.00), in hand paid by LINMAR to CHRISTENSEN, the receipt and sufficiency of which is hereby acknowledged, CHRISTENSEN agrees to hold LINMAR harmless for any damages done to lands of CHRISTENSEN, prior to the date of this agreement and related to the construction, operation, and abandonment of the subject well.

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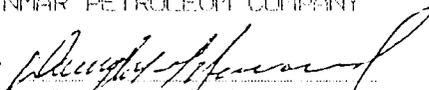
The terms, conditions and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement this Ninth day of June, 1989.

LINMAR PETROLEUM COMPANY

Zane Christensen

by


Douglas G. Howard
Division Engineer



STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

On this 9th Day of June, 1989, before me, E. B. Whicker, a Notary Public in and for said County, personally appeared Douglas G. Howard, known to me to be the identical person described in and who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed for the purpose and consideration therein expressed. IN WITNESS WHEREOF I have hereunto set my official signature and affixed my notarial seal the day and year first above written.

E. B. Whicker
Notary Public
Residing at Roosevelt, Utah

My Commission Expires: April 20, 1990

STATE OF UTAH)
)ss.
COUNTY OF DUCHESNE)

On this 9TH Day of JUNE, 1989, before me, E. B. WHICKER, a Notary Public in and for said County, personally appeared Zane Christensen the identical person described in and who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed, for the purpose and consideration therein expressed. IN WITNESS WHEREOF I have hereunto set my official signature and affixed my notarial seal the day and year first above written.

E. B. Whicker
Notary Public
Residing at ROOSEVELT, UT

My Commission Expires: 20 APR 1990