

5-24-78 Production abandoned  
3-13-78 application resubmitted  
12-2-78 - Shut in gas well

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet \_\_\_\_\_

Location Map Pinned

Card Indexed \_\_\_\_\_

IWR for State or Fee Land \_\_\_\_\_

Checked by Chief \_\_\_\_\_

Copy NID to Field Office \_\_\_\_\_

Approval Letter \_\_\_\_\_

Disapproval Letter \_\_\_\_\_

COMPLETION DATA:

Date Well Completed 12-2-78

OW

WW \_\_\_\_\_

TA \_\_\_\_\_

SI/GW

OS \_\_\_\_\_

PA \_\_\_\_\_

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

LOGS FILED

Driller's Log

Electric Logs (No. )

E \_\_\_\_\_

I \_\_\_\_\_

E-I \_\_\_\_\_

GR \_\_\_\_\_

GR-N \_\_\_\_\_

Micro \_\_\_\_\_

Lat \_\_\_\_\_

Mi-L \_\_\_\_\_

Sonic \_\_\_\_\_

Others \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Continental Oil Company

3. ADDRESS OF OPERATOR  
 152 No. Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 656' FSL, 817' FEL (SE SE)  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 656'

16. NO. OF ACRES IN LEASE  
 2080

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 11,000'

19. PROPOSED DEPTH  
 6760'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5074' (ungraded ground)

22. APPROX. DATE WORK WILL START\*  
 September 1, 1977

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"	36 lbs.	250'	150 sacks
7-7/8"	5-1/2"	15.5 lbs.	6760'	*

It is proposed to drill Chapita Federal 15 No. 1 as a Wasatch gas producer. No cores or Drillstem Tests are planned. All appropriate logs will be run. It is anticipated to air drill this well. However, should mud drilling be required, native mud with 3% KCL will be used to T.D.

The blowout preventer will be tested daily.

\*Cement volume and placement of cement will depend upon which zones are commercial. Cement volumes will be calculated from Caliper log. Engineering will provide cement volumes and placement of centralizers and cementing tools after well has been logged and productive intervals have been determined.

USGS(3) HOGCC(2) File

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 Administrative Supervisor DATE July 14, 1977

(This space for Federal or State office use)

PERMIT NO. 43-047-30298 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

Attachment to Form 9-331C  
Chapita Federal 15 No. 1  
Uintah County, Utah  
July 13, 1977

1. The geologic name of surface formation: Uintah
2. The estimated tops of important geologic markers:

<u>Formation</u>	<u>Drilled Depth</u>	<u>Subsea Depth</u>
Green River	1426'	+3645'
Wasatch	4696'	+375'
T. D.	6760'	-1689'

3. It is anticipated to encounter a water bearing zone in the Green River formation. A gas and water bearing zone is anticipated in the Wasatch formation. The depths of these formations are listed in (2) above.
4. Proposed casing pattern:  
0' - 250' - 9-5/8" OD, 36 lbs/ft., K-55, LT&C  
0' - T.D. - 5-1/2" OD, 15.5 lbs/ft., K-55, LT&C  
(All casing mentioned above will be new.)
5. Specifications for pressure control: Our minimum specification for pressure equipment will be 5000 lbs.
6. Proposed circulating medium: Well will be drilled with air. If fluid entry into well bore becomes such a problem as to require drilling fluid to lift cuttings, native mud with 3% KCL will be used to T.D. Mud weight should not exceed 8.5 pounds per gallon through the Green River formation. From the top of the Wasatch to T. D., mud weight should not exceed 8.9 pounds per gallon. (Sufficient mud will be mixed on location to fill hole volume plus excess of 200 bbls and sufficient weight to control bottom hole pressures.)
7. Auxiliary equipment: We will use kelly cocks, floats at the bit, monitoring equipment on the mud system (if needed), a sub on the floor with a full opening valve and a blooie line.
8. Testing, logging and coring: As mentioned in the permit to drill, no Cores or Drillstem Tests are planned. A flare will be ignited under the blooie line when drilling below 3000' with air to detect combustible quantities of gas. The following logs will be run over the specified intervals:
  - A. Laterolog with SP from surface pipe to T.D.
  - B. Formation Density and Compensated Neutron log with Caliper over selected zones in the Green River and Wasatch formations.

Attachment to Form 9-331C  
Chapita Federal 15 No. 1  
Uintah County, Utah  
July 13, 1977  
Page 2

9. Abnormal pressures and temperatures: We do not anticipate any abnormal pressures or temperatures. Rotating head will be used while drilling with air for control. BOP's will be used for control while drilling with mud. Mud weight will be increased if necessary to insure adequate control.
10. Starting date and duration: We plan to spud the well on September 15, 1977, and expect drilling operations to last 20 days.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

Form approved.  
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.  
60463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chapita Federal 15

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Chapita Federal - Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

12. COUNTY OR PARISH 13. STATE  
Uintah Utah

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  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
656' FSL, 817' FEL (SE SE)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' (ungraded ground)

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) _____	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) <u>blowout preventer</u>	<u>X</u>		

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.)\*

Attached is a schematic drawing of our minimum requirements for a blowout preventer on the subject well.

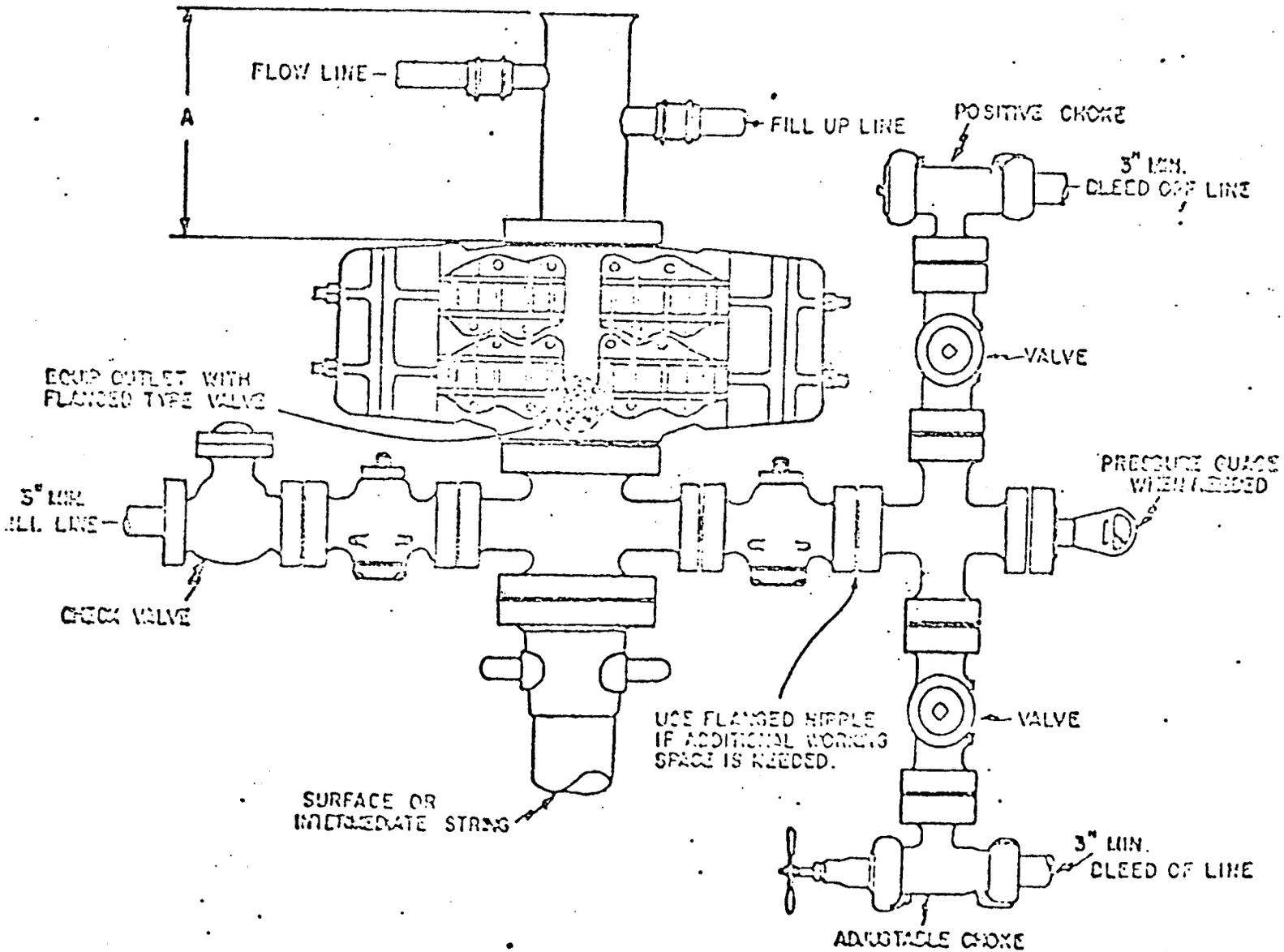
APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE: July 23, 1977  
BY: P. L. Small

USGS(3) JUDOCM File

18. I hereby certify that the foregoing is true and correct  
SIGNED T. C. Thompson TITLE Administrative Supervisor DATE 7-18-77

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

Chapita Federal 115 No. 1  
 656' PSN, 817' REL (SE)  
 Section 15, T9S, R23E  
 Uintah County, Utah



Conoco:

- |                   |                           |
|-------------------|---------------------------|
| Minimum BOP Stack | 5000 psi Working Pressure |
| One Pipe Ram      |                           |
| One Blind Ram     |                           |
| Manifold          | 5000 psi Working Pressure |
| Well Head         | 5000 psi Working Pressure |

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: July 18 -  
Operator: Continental Oil Co.  
Well No: Chapita Fed. #15-2  
Location: Sec. 15 T. 9S R. 23E County: Uintah

File Prepared  Entered on N.I.D. <sup>API</sup>   
Card Indexed  Completion Sheet

CHECKED BY:

Administrative Assistant [Signature]  
Remarks: No other wells in Sec. 15 -  
Petroleum Engineer [Signature]  
Remarks:  
Director [Signature]  
Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required  Survey Plat Required   
Order No. [Signature]  Surface Casing Change   
to \_\_\_\_\_

Rule C-3(c), Topographic exception/company owns or controls acreage within a 660' radius of proposed site

O.K. Rule C-3  O.K. In \_\_\_\_\_ Unit:

Other:

Letter Written/Approved

July 21, 1977

Continental Oil Company  
152 North Durbin  
Casper, Wyoming 82601

Re: Well No's:  
Conoco Pawinnee 34-1  
Sec. 34, T. 8 S, R. 21 E,  
Chapita Wells Federal 15  
Sec. 15, T. 9 S, R. 23 E,  
Chapita Wells Federal 13  
Sec. 13, T. 9 S, R. 23 E,  
Uintah County, Utah

Gentlemen:

Inssofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. However, said approval shall be conditional upon forwarding a surveyors plat of the proposed Chapita Federal 15, prior to commencement of spudding operations.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer  
HOME: 582-7247  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API numbers assigned to these wells are:

Pawinnee 34-1: 43-047-30297  
Chapita Federal 15: 43-047-30298  
Chapita Federal 13: 43-047-30299

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

<p><b>SUNDRY NOTICES AND REPORTS ON WELLS</b></p> <p>(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>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p align="center"><b>60463</b></p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p align="center"><i>P</i></p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME</p> <p align="center"><b>Chapita Federal 15</b></p> <p>9. WELL NO.</p> <p align="center"><b>1</b></p> <p>10. FIELD AND POOL, OR WILDCAT</p> <p align="center"><b>Chapita Fed.-Wasatch</b></p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</p> <p align="center"><b>Sec. 15, T9S, R23E</b></p> <p>12. COUNTY OR PARISH</p> <p align="center"><b>Uintah</b></p> <p>13. STATE</p> <p align="center"><b>Utah</b></p>
<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR</p> <p align="center"><b>Continental Oil Company</b></p> <p>3. ADDRESS OF OPERATOR</p> <p align="center"><b>152 No. Durbin St., Casper, Wyo. 82601</b></p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p align="center"><b>656' FSL, 817' FEL (SE SE)</b></p>	<p>14. PERMIT NO.</p> <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.)</p> <p align="center"><b>5074' (ungraded ground)</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 type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) <input checked="" type="checkbox"/> <b>Surveyor's Plat</b>		(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.)\*

Attached is the surveyor's plat of the subject location.

**UDOGM**

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

SIGNED *J.C. Thompson* TITLE Administrative Supervisor DATE 7/26/77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

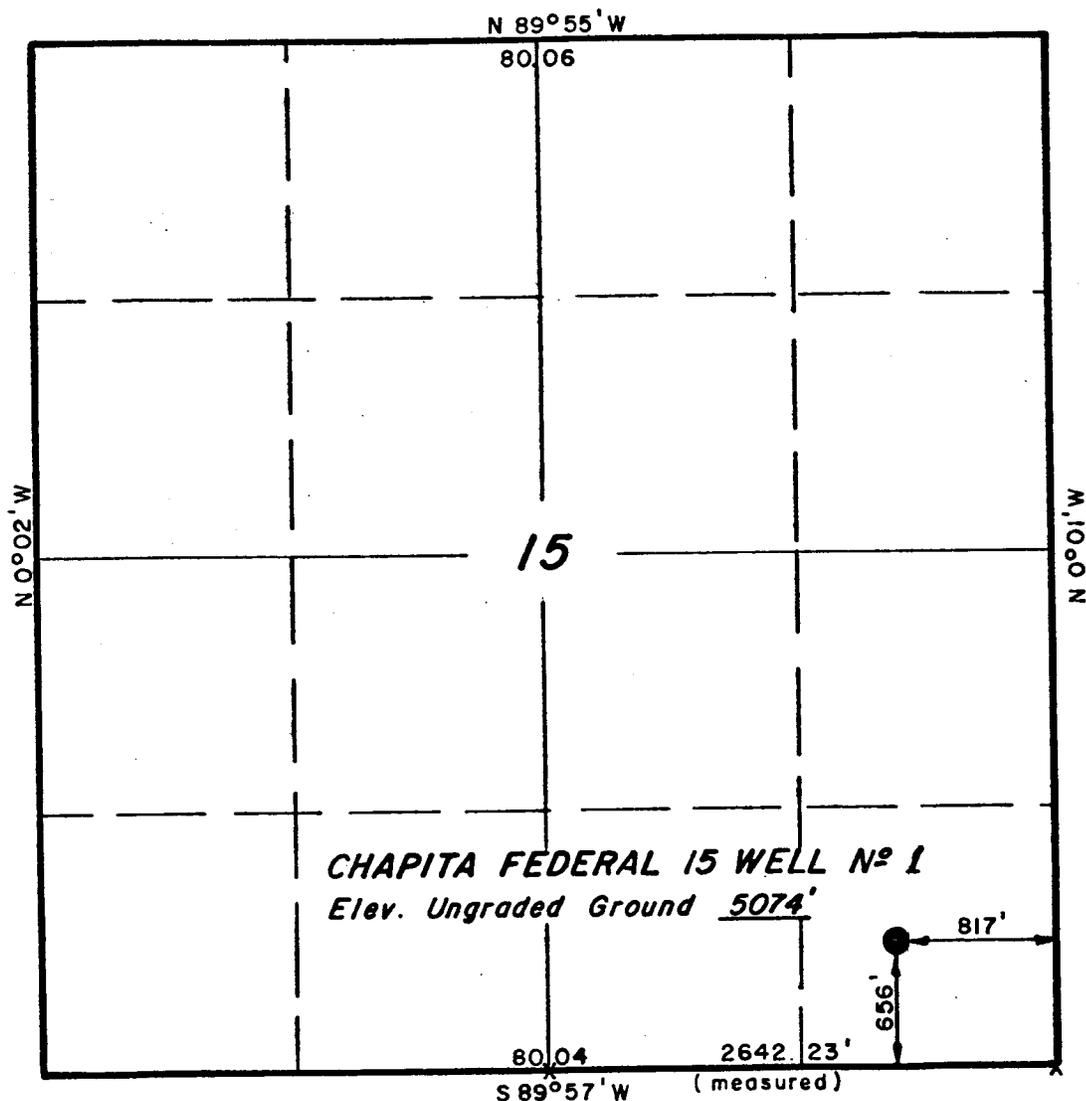
\*See Instructions on Reverse Side

T9S, R23E, S.L.B.&M.

PROJECT

CONTINENTAL OIL CO.

Well location, *CHAPITA FEDERAL 15 WELL N<sup>o</sup> 1*, located as shown in the SE 1/4 SE 1/4 Section 15, T9S, R23E, S.L. B.&M., Uintah 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.

*Lawrence C. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

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

X = Section Corners Located.

SCALE 1" = 1000'	DATE 6/20/77
PARTY R.K. D.J. G.P.	REFERENCES GLO Plat
WEATHER Warm	FILE CONTINENTAL OIL CO.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate  
(Other Instructions on reverse side)

Form Approved  
Budget Bureau No. 42 R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chapita Fed 15

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chapita Fed - Mesaverde

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

Sec. 15, T9S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 No. Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
656' FSL, 817' FEL (SE SE)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' (ungraded ground)

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"/>

(Other) Deeper TD and name

(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.)\*

First, please note the well number change from one to two.

In our original proposal submitted July 14, 1977, we stated we would drill to a T.D. of 6,760'. After new geological interpretations and engineering studies we propose to drill the subject well as a Mesaverde Test (TD - 9,150'). All appropriate logs will be run. No cores are planned. We may run a DST in the Mesaverde. It is still anticipated to air drill this well until fluid entry into the well bore becomes such a problem as to require a mud system. If the Mesaverde proves non-commercial, we may plug back to the Wasatch.

The blowout preventor will be tested daily. A revised 10-point plan is attached.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING  
DATE Sept. 23, 1977  
BY: P. H. Amcull

X  
USGS(3) UDOGM File

18. I hereby certify that the foregoing is true and correct  
SIGNED T. C. Thompson TITLE Administrative Supervisor DATE 9-21-77

(This space for Federal or State office use)  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Attachment to Form 9-331C  
Chapita Federal 15 No. 2  
Uintah County, Utah  
September 21, 1977

1. The geologic name of surface formation: Uintah
2. The estimated tops of important geologic markers:

<u>Formation</u>	<u>Drilled Depth</u>	<u>Subsea Depth</u>
Green River	1,426'	+3,645'
Wasatch	4,696'	+ 375'
Mesaverde	6,726'	-1,655'
TD	9,150'	-4,079'

3. It is anticipated to encounter a water bearing zone in the Green River formation. A gas bearing zone is anticipated in the Wasatch and Mesaverde formation. The depths of these formations are listed in (2) above.

4. Proposed casing pattern:

0' - 300' - 9-5/8" OD, 36 lbs/ft., K-55, LT&C  
0' - 7600' - 5-1/2" OD, 15.5 lbs/ft., K-55, LT&C  
7600' - TD - 5-1/2" OD, 17.0 lbs/ft., K-55, LT&C  
(All casing mentioned above will be new)

5. Specifications for pressure controls:

Our minimum specification for pressure equipment will be 5000 lbs.

6. Proposed circulating medium:

Well will be drilled with air. If fluid entry into well bore becomes such a problem as to require drilling fluid to lift cuttings, native mud with 3% KCl will be used to T.D. Mud weight should not exceed 9.0 pounds per gallon through the Green River formation. From the top of the Wasatch to T.D., mud weight should not exceed 9.0 pounds per gallon. (Sufficient mud will be mixed on location to fill hole volume plus excess of 200 bbls and sufficient weight to control bottom hole pressures.)

7. Auxiliary equipment:

We will use kelly cocks, floats at the bit, monitoring equipment on the mud system (if needed), a sub on the floor with a full opening valve and a blooie line.

8. Testing, logging and coring:

As mentioned in the permit to drill, no cores are planned. A drillstem test in the Mesaverde is planned. A flare will be ignited under the blooie line when drilling below 3000' with air to detect combustible quantities of gas. The following logs will be run over the specified intervals:

Attachment to Form 9-331C  
Chapita Federal 15 No. 2  
Uintah County, Utah  
September 21, 1977

- A. Laterolog with SP from surface pipe to T.D.
- B. Formation Density and Compensated Neutron log with Caliper over selected zones in the Green River and Wasatch formations.

9. Abnormal pressures and temperatures:

We do not anticipate any abnormal pressures or temperatures. Rotating head will be used while drilling with air for control. BOP's will be used for control while drilling with mud. Mud weight will be increased if necessary to insure adequate control.

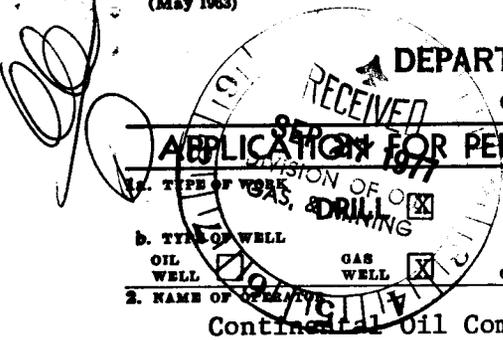
10. Starting date and duration:

We plan to spud the well on November 10, 1977, and expect drilling operations to last 40 days.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

11-01301

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK



1. TYPE OF WORK  
 DRILLING  
 DEEPEN  PLUG BACK

2. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

3. NAME OF OPERATOR  
 Continental Oil Company

4. ADDRESS OF OPERATOR  
 152 No. Durbin, Casper, Wyoming 82601

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 656' FSL, 817' FEL (SE SE)  
 At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

7. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 656'

8. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 11,000'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5074' (ungraded ground)

5. LEASE DESIGNATION AND SERIAL NO.  
 No. 60469 U-030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Chapita Federal 15

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT  
 Chapita Federal - Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 15, T9S, R23E

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 Utah

14. NO. OF ACRES IN LEASE  
 2080

15. NO. OF ACRES ASSIGNED TO THIS WELL  
 160

16. PROPOSED DEPTH  
 6760'

17. ROTARY OR CABLE TOOLS  
 Rotary

18. APPROX. DATE WORK WILL START\*  
 September 1, 1977

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"	36 lbs.	250'	150 sacks
7-7/8"	5-1/2"	15.5 lbs.	6760'	*

It is proposed to drill Chapita Federal 15 No. 1 as a Wasatch gas producer. No cores or Drillstem Tests are planned. All appropriate logs will be run. It is anticipated to air drill this well. However, should mud drilling be required, native mud with 3% KCL will be used to T.D.

The blowout preventer will be tested daily.

\*Cement volume and placement of cement will depend upon which zones are commercial. Cement volumes will be calculated from Caliper log. Engineering will provide cement volumes and placement of centralizers and cementing tools after well has been logged and productive intervals have been determined.

USGS(3) UOGCC(2) File

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 Administrative Supervisor DATE July 14, 1977

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY (ORIG. SGD.) E. W. GUYNN TITLE DISTRICT ENGINEER DATE SEP 23 1977

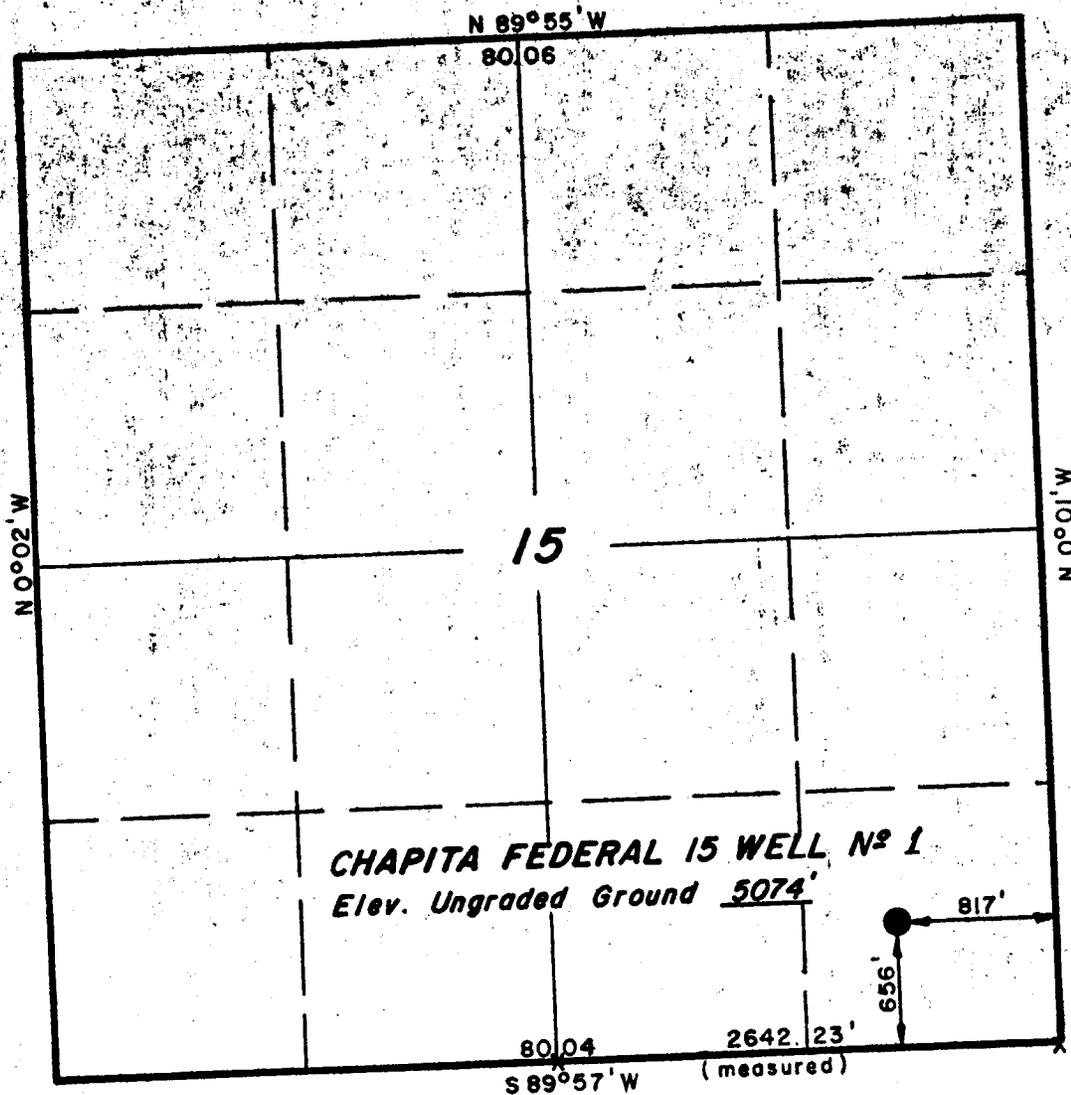
CONDITIONS OF APPROVAL, IF ANY:

*approval notice, Utah State O & M*

**T9S, R23E, S.L.B.&M.**

**PROJECT**  
**CONTINENTAL OIL CO.**

Well location, **CHAPITA FEDERAL 15 WELL N<sup>o</sup> 1**, located as shown in the SE 1/4 SE 1/4 Section 15, T9S, R23E, S.L. B.&M., Uintah 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.

*Lawrence C. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION N<sup>o</sup> 3137  
STATE OF UTAH

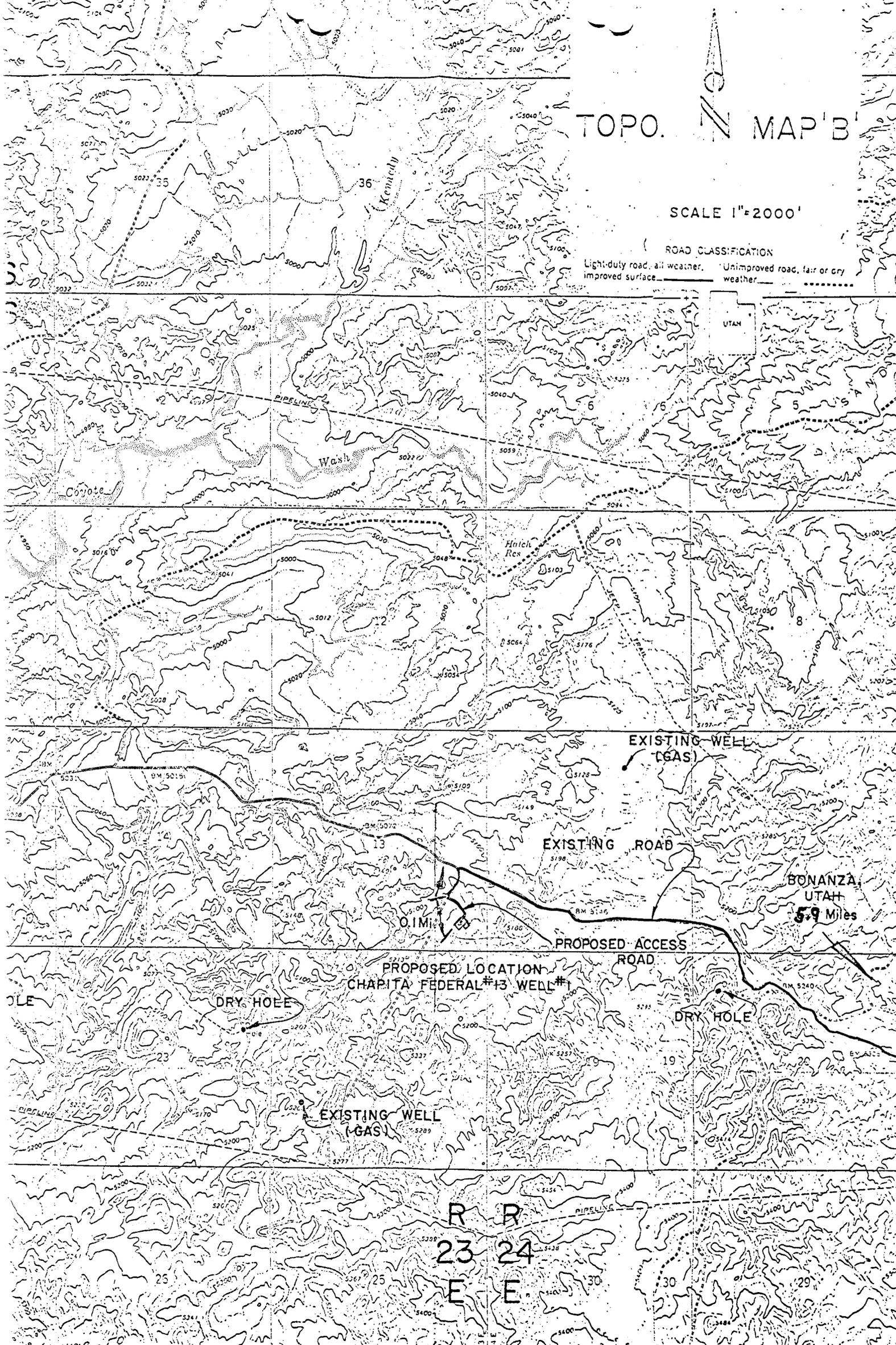
**UINTAH ENGINEERING & LAND SURVEYING**  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	6/20/77
PARTY	R.K. D.J. G.P.	REFERENCES	GLO Plat
WEATHER	Warm	FILE	CONTINENTAL OIL CO.

X = Section Corners Located.

SCALE 1"=2000'

ROAD CLASSIFICATION  
Light-duty road, all weather. Improved surface. Unimproved road, fair or dry weather.



UTAH

EXISTING WELL (GAS)

EXISTING ROAD

BONANZA UTAH 5.9 Miles

PROPOSED ACCESS ROAD

PROPOSED LOCATION CHAPITA FEDERAL #13 WELL #1

DRY HOLE

DRY HOLE

EXISTING WELL (GAS)

R R  
23 24  
E E

BONANZA, UTAH

8.4 Miles

EXISTING WELLS

PROPOSED LOCATION  
CHAPITA FEDERAL #15 WELL #1

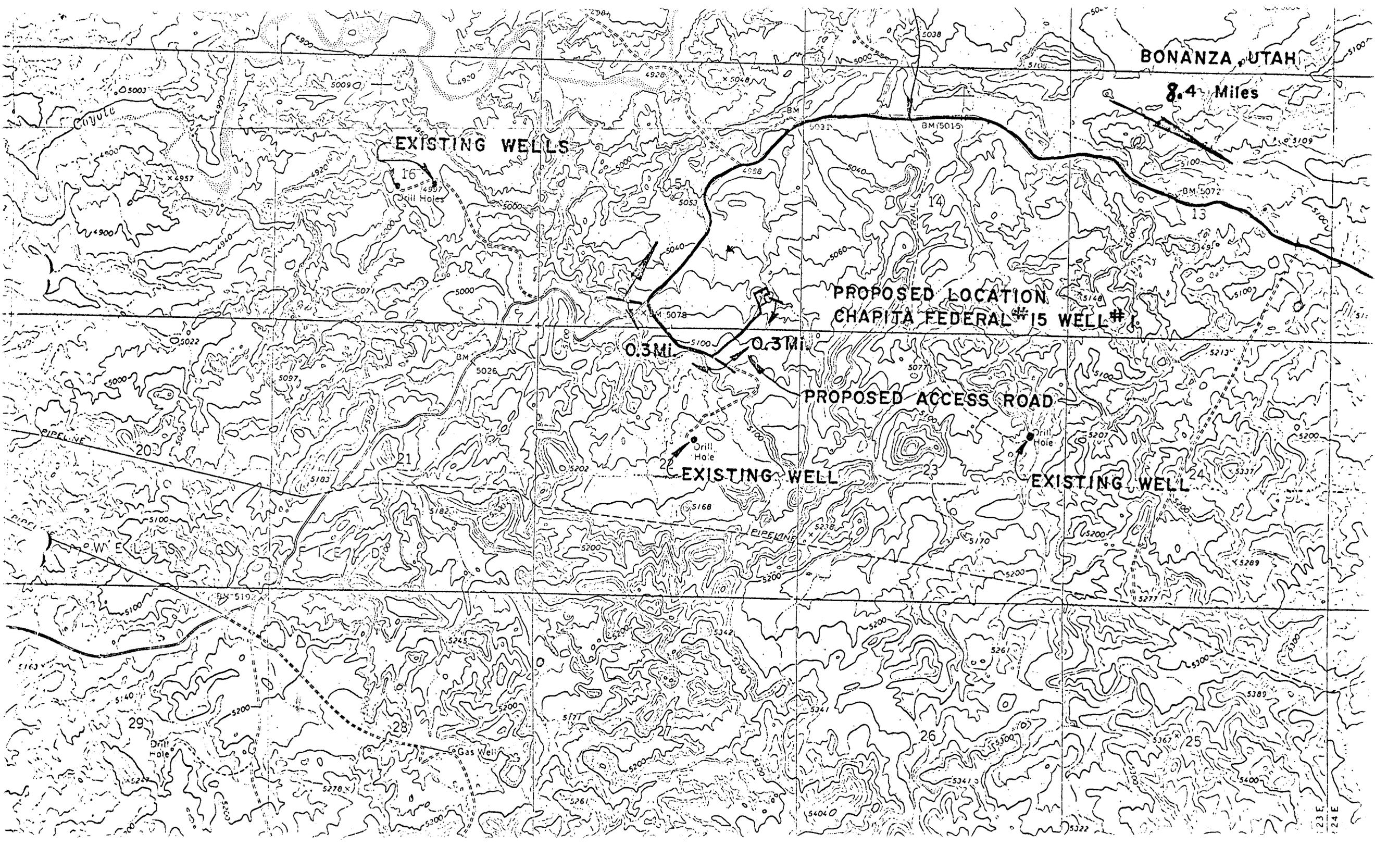
0.3 Mi

0.3 Mi

PROPOSED ACCESS ROAD

EXISTING WELL

EXISTING WELL



U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH ✓  
 TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
Continental Oil Co. No. 1-15	656 FSL, 817 FEL, SEC. 15, T. 9 S., R. 23 E., SLM, Uintah Co., Utah	U-01301
<p>1. Stratigraphy and Potential Oil and Gas Horizons. Proposed T.D. of 6,760' will collar in Uintah and test Wasatch for gas. Critical tops are estimated at: 1,425' - Green River; 4,695' - Wasatch.</p> <p>2. Fresh Water Sands. Fresh water aquifers may be encountered in upper few hundred feet of Uintah rocks.</p> <p>3. Other Mineral Bearing Formations. (Coal, Oil Shale, Potash, Etc.) Beds of oil shale are likely in the Green River rocks.</p> <p>4. Possible Lost Circulation Zones. Unknown</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. Unknown</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. Abnormal T, P conditions are unlikely in the area.</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Adequate for the APD casing program</p> <p>8. Additional Logs or Samples Needed. APD logging program is adequate to define the leaseable minerals.</p> <p>9. References and Remarks: USGS Files, SLC, UT. Site is within 1/4 mile east of Chapita Wells KGS</p>		
Date: 07-29-77		Signed: Donald C. Alvord

Utah

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other Instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chapita - Federal 15

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Chapita - Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
656' FSL, 817 FEL (SE SE)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' (ungraded grade)

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 checked="" 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.)	

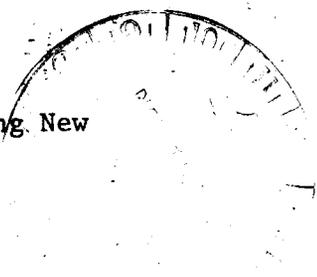
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

On September 23, 1977, we received approval to drill the subject well to the Mesaverde to a T.D. of 9150'. After further engineering evaluation we have redesigned the casing design. This in turn will revise point #4 of our 10-point plan.

4. Proposed Casing Pattern

- 0'-90' - 13 3/8", 54.5#/ft., K-55, ST&C
- 0'-1900' - 9 5/8", 36#/ft., K-55, ST&C
- 0'-200' - 5 1/2", 17#/ft., K-55, LT&C
- 200'-1000' - 5 1/2", 15.5#/ft., K-55, LT&C
- 1000'-7200' - 5 1/2", 15.5#/ft., K-55, ST&C
- 7200'-9150' - 5 1/2", 17#/ft., K-55, ST&C

All Casing New



At this time we would like to ask for a 90-day extension of our Drilling Permit, which will be effective Dec. 22, 1977. We plan to have a rig in this area approximately Jan. 1, 1978.

APPROVED BY THE DIVISION OF  
OIL, GAS AND MINING  
DATE: Nov 18 1977  
BY: P. L. Small

USGS(3) UDOGM(2) File

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

SIGNED J. C. Thompson TITLE Administrative Supervisor DATE 11-15-77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other Instructions on Reverse Side)

Form approved  
Budget Ledger No. 42 R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 No. Durbin St., Casper, Wyo. 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface  
656' FSL, 817' FEL (SE SE)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chapita - Fed. 15

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Chapita - Mesaverde

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' (ungraded)

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"/>	Numbering of Well <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.)\*

Please note that on our sundry notice dated November 15, 1977 for the subject well the name is:

Conoco-Chapita Federal 15 No. 2

In your approval the two was struck out and replaced with a one. We would like the name to be as stated above.

APPROVED BY THE DIVISION OF  
OIL, GAS AND MINING

DATE: 12/22/77

BY: [Signature]

USGS(3) UDOGM(2) File  
18. I hereby certify that the foregoing is true and correct

SIGNED J.C. Thompson TITLE Administrative Supervisor DATE 12/15/77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

ATTACHMENT 2-A

SUMMARY OF ENVIRONMENTAL IMPACT EVALUATION

EIA NO. 641  
DATE 2/28/77

OPERATOR Conoco  
LEASE # U-01301  
WELL NO. 2-15  
LOC. SE 1/4 SE 1/4 SEC. 15  
T. 9S R. 23E  
COUNTY Utah STATE Ut.  
FIELD Chapin Federal  
USGS Cook  
BLM Oliver  
REP: Smith  
DIRT

	Construction				Pollution			Drilling Production			Transport Operations			Accidents		Others		
	Roads, bridges, airports	Transmission lines, pipelines	Dams & impoundments	Others (pump stations, compressor stations, etc.)	Burning, noise, junk disposal	Liquid effluent discharge	Subsurface disposal	Others (toxic gases, noxious gas, etc.)	Well drilling	Fluid removal (Prod. wells, facilities)	Secondary Recovery	Noise or obstruction of scenic views	Mineral processing (ext. facilities)	Others	Trucks	Pipelines	Others	Spills and leaks

- ENHANCES
- NO IMPACT
- MINOR IMPACT
- MAJOR IMPACT

Land Use	Forestry	NA																	
	Grazing	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Wilderness	NA																	
	Agriculture	NA																	
	Residential-Commercial	NA																	
	Mineral Extraction	NA																	
	Recreation	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Scenic Views	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
	Parks, Reserves, Monuments	NA																	
	Historical Sites	none known																	
Unique Physical Features	NA																		
Flora & Fauna	Birds	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Land Animals	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Fish	NA																	
	Endangered Species	none known																	
Phy. Charact.	Treas, Grass, Etc.	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Surface Water	NA																	
	Underground Water	?																	
	Air Quality	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Erosion	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
	Other																		
	Effect On Local Economy	/	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Safety & Health	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
Others																			

cc: Ben, Vernal  
Comp. Mgr. Denver  
Utah State ORTR  
file



(3) WILDLIFE:  DEER  ANTELOPE  ELK  BEAR  SMALL  
MAMMAL  BIRDS  ENDANGERED SPECIES  OTHER \_\_\_\_\_

(4) LAND USE:  RECREATION  LIVESTOCK GRAZING  AGRICULTURE  
 MINING  INDUSTRIAL  RESIDENTIAL  OIL & GAS OPERATIONS

REF: BLM UMBRELLA EAR *Oil and Gas Leasing Program*  
~~USFS EAR~~ *Uernal, District Feb. 1976 Ut-080-6-28*  
~~OTHER ENVIRONMENTAL ANALYSIS~~

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS. NO ALTERNATE LOCATION ON THIS LEASE WOULD JUSTIFY THIS ACTION.

3) LOCATION WAS MOVED \_\_\_\_\_ TO AVOID \_\_\_\_\_  
 LARGE SIDEHILL CUTS     NATURAL DRAINAGE     OTHER \_\_\_\_\_

4) \_\_\_\_\_

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6) \_\_\_\_\_

6. DETERMINATION:

(THIS REQUESTED ACTION ~~DOES~~ (DOES NOT) CONSTITUTE A MAJOR FEDERAL ACTION SIGNIFICANTLY AFFECTING THE ENVIRONMENT IN THE SENSE OF NEPA, SECTION 102(2) (C).

DATE INSPECTED 2/28/77

INSPECTOR A. R. Cook

E. S. [Signature]  
U. S. GEOLOGICAL SURVEY  
CONSERVATION DIVISION - OIL & GAS OPERATIONS  
SALT LAKE CITY DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL  
(Other Instructions  
reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.  OIL WELL  GAS WELL  OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR  
Continental Oil Company

8. FARM OR LEASE NAME

Chapita - Fed. 15

3. ADDRESS OF OPERATOR  
152 No. Durbin St., Casper, Wyo. 82601

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

Chapita - Mesaverde

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

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

656' FSL, 817' FEL (SE SE)

Sec. 15, T9S, R23E

14. PERMIT NO.

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

5074' (ungraded)

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)		Numbering of Well	<input checked="" type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<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.)\*

Please note that on our sundry notice dated November 15, 1977 for the subject well the name is:

Conoco-Chapita Federal 15 No. 2

In your approval the two was struck out and replaced with a one. We would like the name to be as stated above.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 12/22/77

BY: [Signature]

USGS(3) ~~UDGM(2)~~ File

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

SIGNED J.C. Thompson

TITLE Administrative Supervisor

DATE 12/15/77

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*Drill*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPlicate\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin Street, Casper, Wyoming 82601

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

656' FSL, 817' FEL (SESE)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chapita - Federal 15

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Chapita - Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

14. PERMIT NO.

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

5074' Ungraded Ground

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

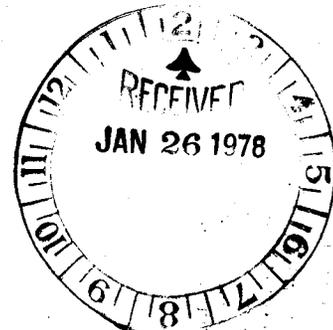
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)\*

We currently have approval to drill the subject well through February 28, 1978. The location is made and we have secured Cactus Rig #5 to drill this well. They will be available in approximately thirty-five to forty-five days. Thus, we won't be able to spud this well until after February 28, 1978. We request another 90-day extension.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE Jan. 26, 1978  
BY: J. H. Ince



USGS(3) UDOGM(2) File

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

SIGNED T. C. Thompson TITLE Administrative Supervisor DATE 1/23/78

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771

February 24, 1978

OIL, GAS, AND MINING BOARD

I. DANIEL STEWART  
Chairman

CHARLES R. HENDERSON  
JOHN L. BELL  
THADIS W. BOX  
C. RAY JUVELIN

Mr. Charles Tarr  
Continental Oil Company  
152 North Durbin  
Casper, Wyoming 82601

Dear Mr. Tarr:

Relative to the hearing and subsequent Board Order in Cause #173-1, and 174-1, please be advised that the previously approved permits to drill on the following wells have been cancelled, due to non-conformity with the Board's orders:

- 1) Conoco - Mountain Lion 34-2  
Sec. 34, T. 8S, R. 21E, Uintah County, Utah  
API No. 43-047-30338
- 2) Conoco - Chapita Federal 13  
Sec. 13, T. 9S, R. 23E, Uintah County, Utah  
API No. 43-047-30299
- 3) Conoco - Chapita Federal 14-5  
Sec. 14, T. 9S, R. 23E, Uintah County, Utah  
API No. 43-047-30352
- ✓ 4) Conoco - Chapita Federal 15  
Sec. 15, T. 9S, R. 23E, Uintah County, Utah  
API No. 43-047-30298

Furthermore, the following wells are acceptable as originally permitted. However, if the locations are moved relative to Mr. E. W. Guynn's suggestions dated 2/15/78, they will then be contrary to the Board's order and as such, are summarily denied. The wells in question are:

- 1) Conoco - Chapita Federal 15-6  
Sec. 15, T. 9S, R. 23E, Uintah County, Utah  
API No. 43-047-30353

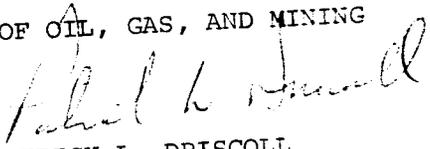
Continental Oil Company  
page 2

- 2) Conoco - Chapita Federal 13-3  
Sec. 13, T. 9S, R. 23E, Uintah County, Utah  
API No. 43-047-30350

If there are any questions relative to the above, please do not hesitate to call.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

  
PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

PLD/ka

cc: U.S.G.S. - SLC  
BLM - Vernal



Alex M. Yarsa  
 Division Manager  
 Production Department

Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311

March 7, 1978

P  
 File - well copies

State of Utah  
 Division of Oil, Gas and Mining  
 1588 West North Temple  
 Salt Lake City, Utah 84116



Attention: Mr. Cleon B. Feight  
 Director

Gentlemen:

Cause No. 174-1  
 Chapita Area  
 Uintah County, Utah  
 File: JO-416-JO

Please recall that Continental Oil Company applied for 320 acre gas well spacing in the referred to Cause before the Board at the February 22, 1978 hearing. Spacing was approved for 320 acres per well with the permitted well to be in the center of the SE $\frac{1}{4}$  and NW $\frac{1}{4}$  of each section with a tolerance of 660 feet in any direction.

Unknown to Mr. Tarr, the Production Department witness for Continental, the company supervisor for the area had prepared roads and locations for Conoco-Chapita Federal 13-1 and Conoco-Chapita Federal 15-2. The locations were prepared based upon the then approved State of Utah drilling permits and the NTL-6 approvals by federal agencies. The locations were approvable under the statewide rules, but the locations are not in conformance with the order issued when the area was spaced by the Board. The letter dated February 24, 1978 from Patrick L. Driscoll cancelled the permits for the above two wells along with several others in the general area.

Continental has spent considerable money on two locations with the expectation that a drilling rig would be moved to the area about March 1, 1978. However, we now understand the Cactus Drilling Corporation rig may not be available until about April 1, 1978. At the Chapita Federal 15-2 location, 817 feet from the east line and 656 feet from the south line, Section 15, Township 9 South, Range 23 East, we have spent \$8,634.57 for surveying, dirt work, setting and cementing 40 feet of conductor pipe, drilling the rat hole, purchasing of the well sign, etc. The dirt work for the location involved moving over 7,400 cubic yards of earth plus building 0.3 mile of access road (see attached survey plat, topographic map, and location layout sheet). At the Chapita Federal 13-1, 592 feet from the east line and 734 feet from the south line, Section 13, Township 9 South, Range 23 East, we have spent \$11,111.62 for surveying, the well sign, plus dirt work for the access road and location. The dirt work for the location involved

State of Utah  
March 7, 1978  
Page Two

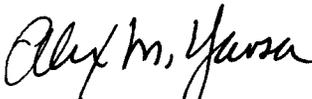
moving 13,400 cubic yards of material including rock which required blasting. Attached is similar data to that shown above for the 15-2 well. The Continental Oil Company lands in the area are shown on the attached sheet under Tract No. 128.

We are now faced with the following situation. Continental has spent approximately \$19,750 preparing two drillsites for early drilling which are now not acceptable locations. Our witness at the hearing did not request approval for the prepared locations as exception locations. However, we believe the Board may have approved the locations if they had been made aware of the money spent on the drillsites.

We respectfully request that the Board consider favorably Continental's request that the permits for Conoco-Chapita Federal 15-2 and 13-1 not be cancelled and that the two wells be permitted as exception locations because the drillsites are ready for drilling. We believe our request, if considered favorably, will prevent an unnecessary hearing on the same subject before the Board.

We would appreciate a telephone decision on this matter as early as possible. In the event our request is denied, we would like to have the matter heard before April 1, 1978 in time for the arrival of our drilling rig.

Very truly yours,



Alex M. Yatsa  
Division Manager

er

Attachs.

March 13, 1978

Mr. Alex M. Yarsa  
Division Manager  
Production Department  
Continental Oil Company  
Pacific Western Life Building  
Casper, Wyoming 82601

Re: Chapita 15-2 13-1  
Cause No. 174-1  
Chapita Area  
Uintah County, Utah  
File: JO-418-JD

Dear Mr. Yarsa:

Insofar as Continental Oil Company prepared the above two locations relative to approved permits issued by this Division, I feel that Continental Oil Company has the right to drill on the prepared locations; i.e., Chapita Federal 15-2 817 FSL and 656 FSL, Section 15, Township 9S., Range 23E. and Chapita Federal 13-1, 582 FSL and 734 FSL.

It is unfortunate this situation was not clarified at the Board hearing concerning spacing in this area; however communicative errors do, and will undoubtedly continue, to occur.

I therefore will rescind my letter of February 24, 1978, relative to the above well, and will consider them as exception locations to findings contained in Board Order 174-1.

Very truly yours,

PATRICK L. DRISCOLL  
CHIEF PETROLEUM ENGINEER

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424.

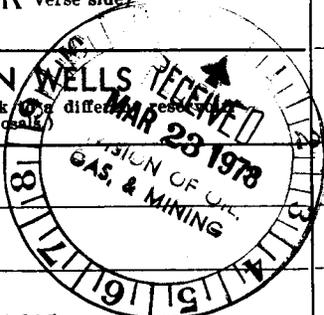
5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back or to change the character of a well. Use "APPLICATION FOR PERMIT—" for such proposals.)



1. OIL WELL [ ] GAS WELL [X] OTHER [ ]

2. NAME OF OPERATOR Continental Oil Company

3. ADDRESS OF OPERATOR 152 North Durbin Street, Casper, Wyoming 82601

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

656' FSL, 817' FEL (SESE)

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chapita Fed 15

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chapita - Mesaverde

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

Sec 15, T9S, R23E

14. PERMIT NO.

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

5074'

12. COUNTY OR PARISH

Uintah

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 [ ]

PULL OR ALTER CASING [ ]

WATER SHUT-OFF [ ]

REPAIRING WELL [ ]

FRACTURE TREAT [ ]

MULTIPLE COMPLETE [ ]

FRACTURE TREATMENT [ ]

ALTERING CASING [ ]

SHOOT OR ACIDIZE [ ]

ABANDON\* [ ]

SHOOTING OR ACIDIZING [ ]

ABANDONMENT\* [ ]

REPAIR WELL [ ]

CHANGE PLANS [ ]

(Other) [ ]

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

(Other) Pipeline Connection [X]

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 Exhibit "A" for additional information in compliance with NTL-6 (Paragraph 4) concerning production facilities and pipeline connections for Conoco Chapita Federal 15 No. 2.

The proposed gathering line will be 4" OD welded steel pipe and will be laid on the surface. The line will be approximately 4,700 feet to the existing 16" Mtn. Fuel gathering line. No significant surface disturbance will be made. Continental owns the lease at Section 15 and the N 1/2 of Section 22. We have a 47.1 percent WI in the S 1/2 of Section 22 operated by Belco.

See Exhibit "B" for further information.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: March 27, 1978

BY: P. H. Ansell

USGS (3) UOGCC File

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

SIGNED: F. C. Thompson

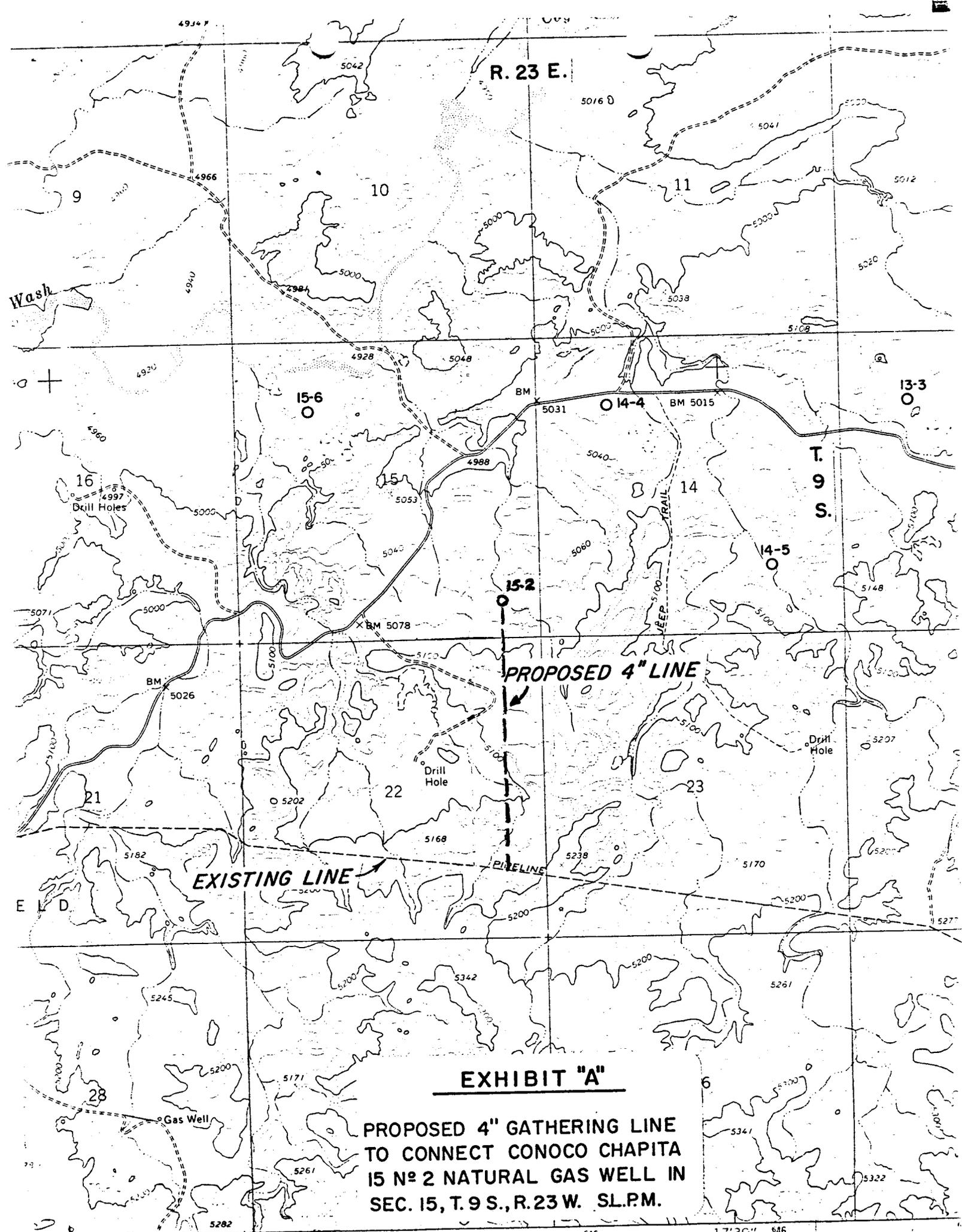
TITLE: Administrative Supervisor

DATE: 3/17/78

(This space for Federal or State office use)

APPROVED BY: CONDITIONS OF APPROVAL, IF ANY:

TITLE: DATE:



R. 23 E.

Wash

T. 9 S.

E L D

**EXHIBIT "A"**

**PROPOSED 4" GATHERING LINE  
TO CONNECT CONOCO CHAPITA  
15 N° 2 NATURAL GAS WELL IN  
SEC. 15, T. 9 S., R. 23 W. S.L.P.M.**

**EXISTING LINE**

**PROPOSED 4" LINE**

PIPELINE

TRAIL  
JEEP

Gas Well

Drill Hole

Drill Hole

Exhibit B

Additional information in compliance with NTL-6 (Paragraph 4) regulations covering Conoco Chapita Federal 15 No. 2, SE SE Section 15, T9S, R23E, Uintah County, Utah.

Paragraph 4-A

Location of existing and/or proposed facilities

- (1) Tank batteries - none
- (2) Production facilities - A production unit will be required. All gas facilities will be maintained by Mountain Fuel Gas Company.
- (3) Oil gathering line - none
- (4) Gas gathering line - (see plat attached)
- (5) Injection lines - none
- (6) Disposal lines - none

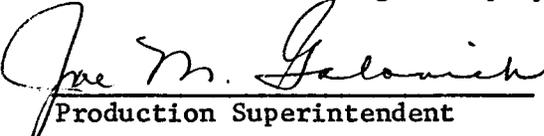
Paragraph 4-B

- (1) Proposed location and attendant lines by flagging of well pad (see plat)
- (2) Dimensions of facilities - The line will run straight south as possible across the southern half of Section 15 and across Section 22 until reaching the Mountain Fuel line. (see plat)
- (3) Construction methods - The line will be welded seamless steel lines.
- (4) Protective measures and devices to protect livestock and wild life. There will be no facilities which will injure livestock or open pits which would be a danger to wild life; therefore, no fences, flags or other devices will be used.

Paragraph 4-C

Pits will be fenced and will be backfilled and reseeded at the location site itself.

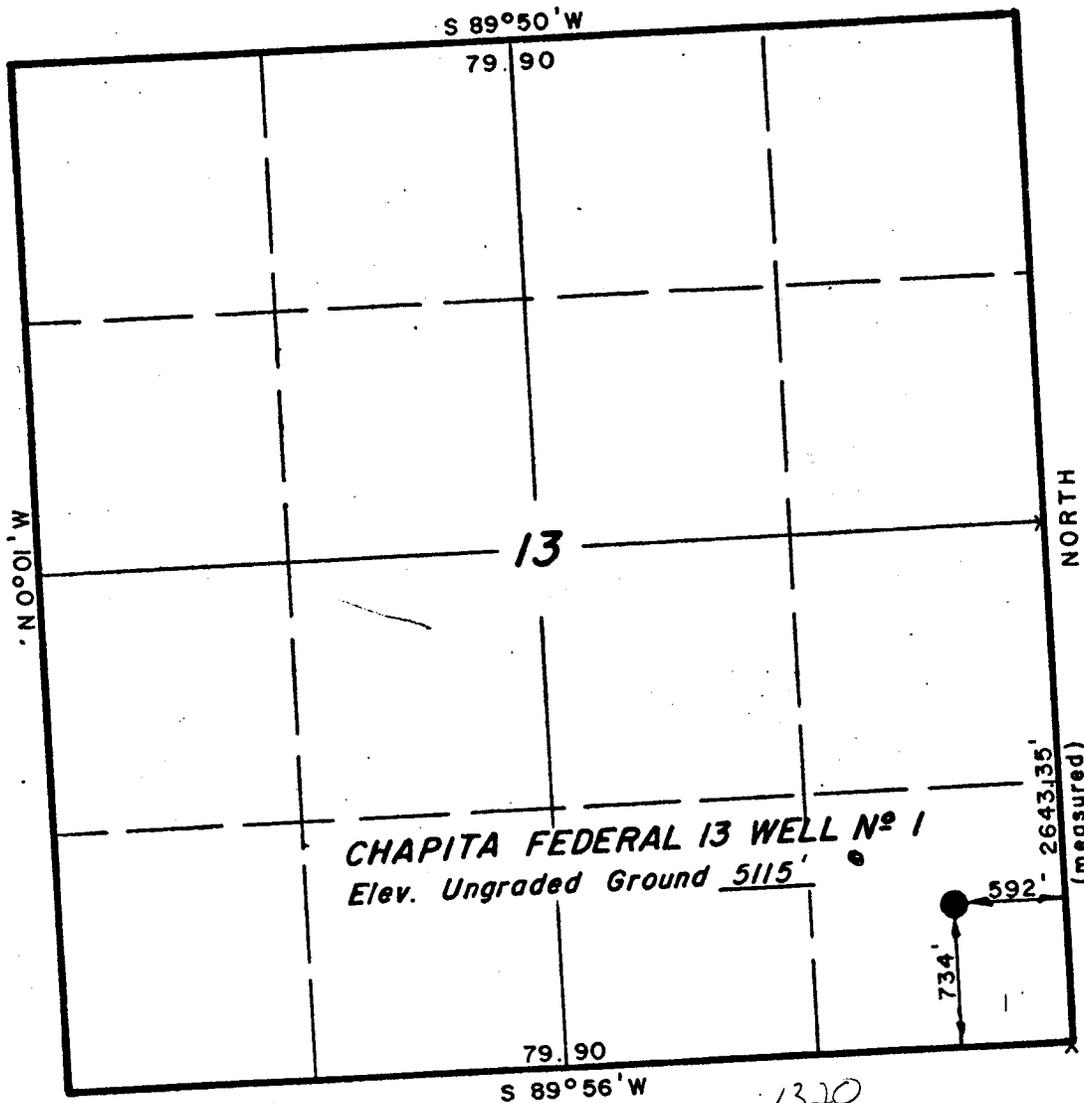
Metal calibrations will be forwarded when received from the gas company.

  
Production Superintendent

T9S, R23E, S.L.B.&M.

CONTINENTAL OIL COMPANY

Well location, *CHAPITA*  
**FEDERAL 13 WELL N<sup>o</sup> 1**, located as  
 shown in the SE 1/4 SE 1/4 Section 13  
 T9S, R23E, S.L.B.&M., Uintah 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.

*Lawrence C. [Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO 3137  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>	
P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE	1" = 1000'
PARTY	R.K. D.J.
WEATHER	Warm
DATE	6/21/77
REFERENCES	GLO Plat
FILE	CONTINENTAL OIL CO

X = Section Corners Located

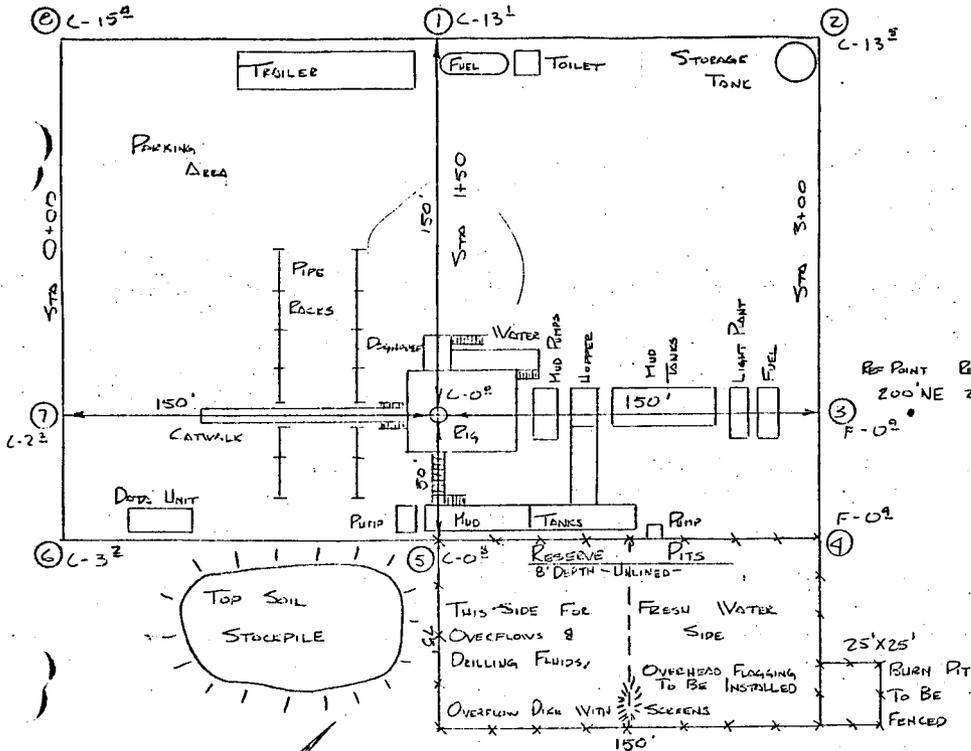
1320

1320

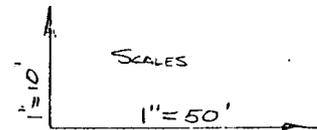
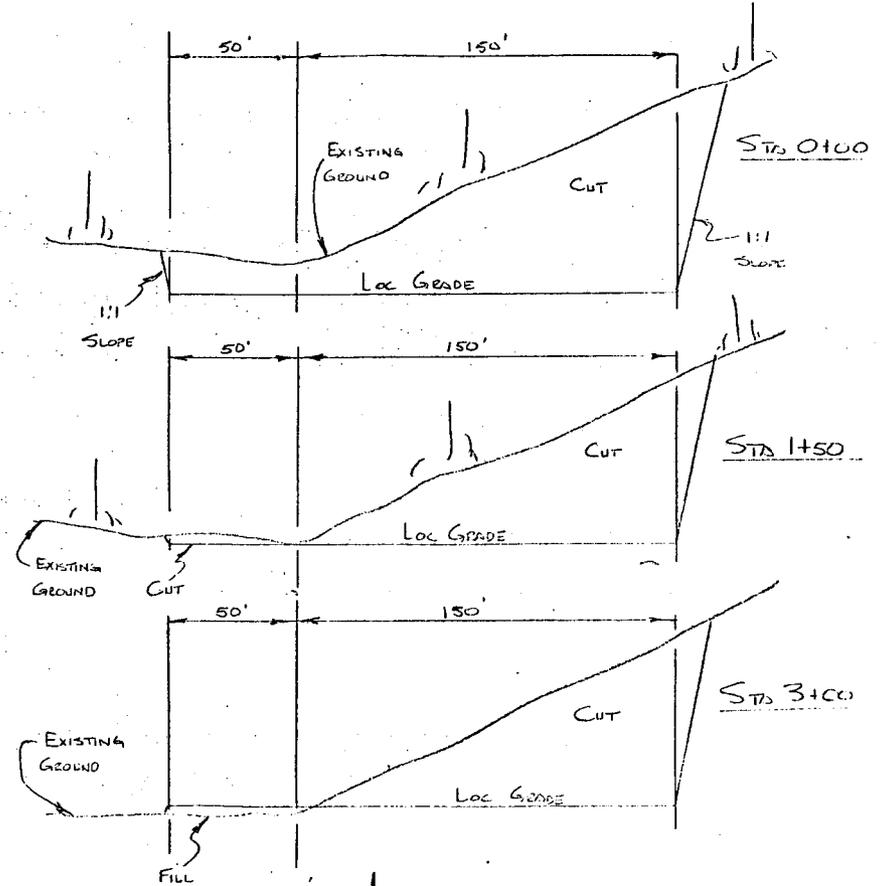
REF POINT 200' NW

REF POINT 175' NW

CONTINENTAL OIL Co.,  
 CHAPITA FEDERAL 13 WELL N° 1  
 LOCATION LAYOUT SHEET

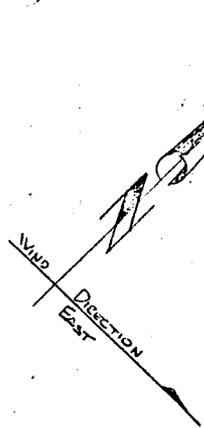


SECTION



APPROXIMATE YARDAGES

CUT	13,903 Cu. Yds.
FILL	133 Cu. Yds.



CHAPITA WELLS AREA - UINTAH COUNTY, UTAH

TRACT No.	DESCRIPTION	OWNERS OF WORKING INTEREST, RECORD TITLE, OPERATING RIGHTS	SERIAL NO. and ROYALTY INTEREST	ORRI
70	<u>Township 9 South, Range 23 East, S.L.M.</u> Section 24: N $\frac{1}{2}$	Pacific Transmission Supply Company Chorney Oil Company	U-0141694-A USA - All	2 parties 5%
71	<u>Township 9 South, Range 23 East, S.L.M.</u> Section 10: SE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 15: NE $\frac{1}{4}$ NW $\frac{1}{4}$	American Gilsonite Company (Unleased)	Fee	None
128	<u>Township 9 South, Range 23 East, S.L.M.</u> Section 13: All Section 14: All Section 15: NE $\frac{1}{4}$ , NW $\frac{1}{4}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ NW $\frac{1}{4}$ , S $\frac{1}{2}$ Section 22: N $\frac{1}{2}$ N $\frac{1}{2}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$	Continental Oil Company	USA - All	2.75% 11 parties

Form OGC-8-X  
File In Quadruplicate

4-21-78



**CIRCULATE TO:**  
DIRECTOR   
PETROLEUM ENGINEER   
MINE COORDINATOR   
ADMINISTRATIVE ASSISTANT   
ALL

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

RETURN TO John Avila FOR FILING REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Chapita Wells 15 #2

Operator Continental Oil Co.

Address 152 N. Durbin St., Casper, WY 82601

Contractor Cactus Drlg. Co.

Address Box 1239, Richardson, TX 75080

Location SE 1/4 SE 1/4; Sec. 15; T. 9 N; R. 23 E; Uintah County

Water Sands:

	<u>Depth:</u>			<u>Volume:</u>			<u>Quality:</u>
	From -	To -		Flow	Rate or Head -		Fresh or Salty -
1.	<u>1855'</u>	<u>??</u>	<u>Flow rate while drlg. -</u>	<u>200 B/H</u>	<u>Fresh</u>		
2.							
3.							
4.							
5.							

(Continue on Reverse Side if Necessary)

Formation Tops:

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



Alex M. Yarse  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-22-78: Drilling at 2250'. Made 155'. 12 $\frac{1}{4}$ " hole. Made short trip. Pumped mud and LCM. No returns. Hooked up compressor. Aerated mud. Got returns. Rigged up mud line to pits. Bit #3 in hole. Drlg. with aerated water.

4-23-78: Circ. for logs. Depth 2500' - Green River. Made 250'. 12 $\frac{1}{4}$ " hole. Drilled to 2500'. Still losing circulation at times. Drlg. with aerated water. Bit #3 in hole.

4-24-78: WOC. Depth 2501', PBSD 2455'. 12 $\frac{1}{4}$ " hole. Pulled out of hole. Strapped - correction 2501'. Rigged up Dresser-Atlas and ran Dual Ind.-GR from TD to 90' and Comp. D. Log from TD to 500'. Rigged down loggers and rigged up casing crew. Ran 62 jts. 9 5/8", 36#, K-55, ST&C casing with float shoe, baffle plate, 21 centralizers, stage collar at 770' with one basket above and one below. Casing set at 2496' KB. Rigged up Halliburton. Cemented first stage with 250 sacks "Thick-Set", 10% "Cal-Seal", 2% CaCl<sub>2</sub>, and 12 $\frac{1}{2}$ # "Gilsonite"/sack. Tailed in with 175 sacks Class "G" and 2% CaCl<sub>2</sub>. Dropped bomb. Opened stage collar. Circ. with water. Cemented with 350 sacks Class "G" and 2% CaCl<sub>2</sub>. Plug down 1 a.m. 4-24-78. No cement returns. WOC and 1" cement. Log tops: First limestone 1312'; Green River marlstone 1646'. Logger's depth 2502'. Cactus 0/7 $\frac{1}{2}$ /0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-25-78: Nippling up BOP. Dumped pea gravel in surface pipe. Rigged up HOWCO and ran in with 1" pipe. Cemented to surface with 125 sacks Class "G" cement and 3% CaCl<sub>2</sub>. Cut off casing. Cactus 0/8 $\frac{1}{2}$ /0. Depth 2501' - Green River.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-26-78: Drilling at 3202'. Made 701'. Finished nippling up BOP. Press. tested pipe and blind rams to 1500 psi. Held okay. Tripped in hole. Drld. out cement. Blew hole dry. Now drilling ahead with air. Bit #3 in hole. 25 6 $\frac{1}{2}$ " drill collars; WOB 15,000-20,000#; 50 RPM; drill pipe tool jts.: 4 $\frac{1}{2}$ " F-H; drill collar tool jts.: 4 $\frac{1}{2}$ " X-H; two 900 CFM compressors and one booster; PP 150#; BHA - bit and drill collars. Cactus 0/9 $\frac{1}{2}$ /0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-27-78: Drilling at 4614'. Made 1412'. 7 7/8" hole. Bit #4 in hole. 25 6 $\frac{1}{2}$ " drill collars; WOB 40,000-45,000#; 60 RPM; drill pipe tool jts.: 4 $\frac{1}{2}$ " F-H; drill collar tool jts.: 4 $\frac{1}{2}$ " X-H; three 900 CFM compressors and one booster; PP 300#; BHA - bit and drill collars. Cactus 0/10 $\frac{1}{2}$ /0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

Location: SE SE Sec. 15, T9S, R23E

4-28-78: Drilling alt 5020'. Made 406'. 7 7/8" hole. Hole sticky. Reamed 350' to bottom. Blew hole with soap. Drilling ahead at 60'/hr. Bit #4 - STC F-45 - 2501' to 4677'. Bit #5 in hole. 25 6¼" drill collars; WOB 40,000-45,000#; 50-60 RPM; drill pipe tool jts.: 4½" F-H; drill collar tool jts.: 4½" X-H; three 900 CFM compressors and one booster; PP 375#; BHA - bit and drill collars. Drlg. with air mist. Cum. mud cost: \$4492. Cactus 0/11½/0.



Alex M. Yarsa  
Division Manager  
Production Department



Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
SE SE

Location: 817' FEL, 656' FSL, /Sec. 15, T9S, R23E, Uintah Co., Utah. AFE  
12-61-1224. API Well No.: 43-047-30208. Contractor: Cactus Drlg. Co.  
Mud supplier: IMCO. GL Elev. 5074', KB to follow.

4-17-78: Drilling at 138'. Spudded at 6 p.m. 4-16-78. 12¼" hole. Pipe  
stuck while making connection. Worked pipe free. Bit #1 in hole. 4 6¼"  
drill collars; WOB 14,000#; 80 RPM; drill pipe tool jts.: 4½" F-H; 3 com-  
pressors and 1 booster. Cactus 0/½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-18-78: Drilling surface at 955'. Made 817'. 12¼" hole. Bit #1 in hole.  
24 6¼" drill collars; WOB 25,000-45,000#; 50-70 RPM; drill pipe tool jts.:  
4½" F-H; 3 compressors and 1 booster; BHA - bit, drill collars, and drill pipe.  
Survey: ½° at 500'. Drlg. with air mist. Cactus 0/1½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-19-78: Drilling surface at 1805'. Made 850'. 12¼" hole. Bit #1 -  
HTC J-22 - 90' to 1755'. Bit #2 in hole. 24 6¼" drill collars; WOB  
30,000#; 62 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.:  
4½" X-H; three 900 CFM compressors and 1 booster; PP 170#; BHA - bit,  
drill collars, and drill pipe. Surveys: ½° at 1131'; ¼° at 1484'.  
Drlg. with air mist. Cactus 0/2½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-20-78: Drilling at 2091'. Made 268'. 12¼" hole. Drilled to 1855'.  
Had small gas kick and flowing water. Now flowing 200 bbls./hr. while  
drilling. Bit #2 in hole. WOB 40,000#; 60-70 RPM; drill pipe tool jts.:  
4" F-H; three 900 CFM compressors and one booster; PP 700#; BHA - bit,  
drill collars, and drill pipe. Drlg. with air mist. Cactus 0/3½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-21-78: Tripping in hole. Depth 2095'. Made 4'. 12¼" hole. Pulled  
out of hole. Mixed mud and LCM. Hooked up flow line. Tripped in hole.  
Lost circulation. Pulled out of hole to drill collars. Mixed mud and  
LCM. Bit #2 - Sec. S-84 - 1755' to 2095'. Bit #3 in hole. WOB 40,000#;  
60-70 RPM; drill pipe tool jts.: 4" F-H; 5½" x 16" pump; 44 SPM; 238 GPM;  
PP 300#; ann. vel. - 53 on drill collars and 145 on drill pipe; jet vel.  
126; BHA - bit, drill collars, and drill pipe. Drlg. with gel/water -  
Wt. 8.6#; Vis. 36; 30% LCM. Cum. mud cost: \$2107. Cactus 0/4½/0.

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Chapita Wells 15 #2

Operator Continental Oil Co.

Address 152 N. Durbin St., Casper, WY 82601

Contractor Cactus Drlg. Co.

Address Box 1239, Richardson, TX 75080

Location SE 1/4 SE 1/4; Sec. 15 ; T. 9 N; R. 23 E; Uintah County  
S W

Water Sands:

	<u>Depth:</u>		<u>Volume:</u> Flow Rate or Head -	<u>Quality:</u> Fresh or Salty -
	From -	To -		
1.	<u>1840'</u>		<u>200 BPH (Est.)</u>	<u>Fresh</u>
2.	<u>2090'</u>		<u>300 BPH (Est.)</u>	<u>Fresh</u>
3.				
4.				
5.				

(Continue on Reverse Side if Necessary)

Formation Tops:

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

CHAPITA WELLS FIELD

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

Location: 817' FEL, 656' FSL, Sec. 15, T9S, R23E, Uintah Co., Utah. AFE 12-61-1224. API Well No.: 43-047-30208. Contractor: Cactus Drlg. Co. Mud supplier: IMCO. GL Elev. 5074', KB to follow.

4-17-78: Drilling at 138'. Spudded at 6 p.m. 4-16-78. 12¼" hole. Pipe stuck while making connection. Worked pipe free. Bit #1 in hole. 4 6¼" drill collars; WOB 14,000#; 80 RPM; drill pipe tool jts.: 4½" F-H; 3 compressors and 1 booster. Cactus 0/½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-18-78: Drilling surface at 955'. Made 817'. 12¼" hole. Bit #1 in hole. 24 6¼" drill collars; WOB 25,000-45,000#; 50-70 RPM; drill pipe tool jts.: 4½" F-H; 3 compressors and 1 booster; BHA - bit, drill collars, and drill pipe. Survey: ½° at 500'. Drlg. with air mist. Cactus 0/1½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-19-78: Drilling surface at 1805'. Made 850'. 12¼" hole. Bit #1 - HTC J-22 - 90' to 1755'. Bit #2 in hole. 24 6¼" drill collars; WOB 30,000#; 62 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; three 900 CFM compressors and 1 booster; PP 170#; BHA - bit, drill collars, and drill pipe. Surveys: ½° at 1131'; ¼° at 1484'. Drlg. with air mist. Cactus 0/2½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-20-78: Drilling at 2091'. Made 268'. 12¼" hole. Drilled to 1855'. Had small gas kick and flowing water. Now flowing 200 bbls./hr. while drilling. Bit #2 in hole. WOB 40,000#; 60-70 RPM; drill pipe tool jts.: 4" F-H; three 900 CFM compressors and one booster; PP 700#; BHA - bit, drill collars, and drill pipe. Drlg. with air mist. Cactus 0/3½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-21-78: Tripping in hole. Depth 2095'. Made 4'. 12¼" hole. Pulled out of hole. Mixed mud and LCM. Hooked up flow line. Tripped in hole. Lost circulation. Pulled out of hole to drill collars. Mixed mud and LCM. Bit #2 - Sec. S-84 - 1755' to 2095'. Bit #3 in hole. WOB 40,000#; 60-70 RPM; drill pipe tool jts.: 4" F-H; 5½" x 16" pump; 44 SPM; 238 GPM; PP 300#; ann. vel. - 53 on drill collars and 145 on drill pipe; jet vel. 126; BHA - bit, drill collars, and drill pipe. Gel/water - Wt. 8.6#; Vis. 36; 20% LCM. Cum. mud cost: \$2107. Cactus 0/4½/0.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

P

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chapita Fed. 15

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chapita - Mesaverde

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

Sec. 15, T9S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

**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  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 N. Durbin, Casper, Wyoming 82601

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

656' FSL, 817' FEL (SE SE)

14. PERMIT NO.

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

5074' Ungraded Ground

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

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.)\*

Continental Oil Company originally proposed to run 1900' of 9-5/8", 36#, K-55, ST&C Casing per our Sundry Notice dated 11-15-77. The actual amount of 9-5/8" casing set was 2496'.

Cementing of this casing went as follows:

Cemented first stage with 250 sacks "Thick-Set", 10% "Cal-Seal", 2%  $\text{CaCl}_2$ , and  $12\frac{1}{2}\#/\text{sack}$  of "Gilsonite". Tailed in with 175 sacks Class "G" with 2%  $\text{CaCl}_2$ .

Opened stage collar and circulated with water. Cemented with 350 sacks Class "G" with 2%  $\text{CaCl}_2$ . Plug down 1 a m 4-24-78.

USGS (3) UDOGM (2) File

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

SIGNED T.C. Thompson

TITLE Administrative Supervisor

DATE 4-25-78

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-3-78: Washing over fish. Depth 5403'. 7 7/8" hole. Circ. above fish. Pulled out of hole. Laid down washover pipe. Picked up fishing tools. Tripped in hole and caught fish. Recovered 4 jts. (126') drill pipe. Laid down fish and fishing tools. Picked up 7 jts. washover pipe and tripped in hole. Circ. and cond. hole above second fish. Washing over fish at 4410'. Fish in hole: bit, 24 drill collars, and 6 jts. drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 60-65 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4½" F-H; 5½" x 16" pump; 60 SPM; 324 GPM; PP 600#; BHA - shoe, 7 jts. washover pipe, cross-over, bit sub, bumper jars, hydraulic jars, cross-over, 8 drill collars, cross-over, and drill pipe. "Gel-Chem" - Wt. 9.0#; Vis. 78; WL 8.0 cc; FC 2/32; pH 10.5; gel strength ini./10 min. 6 / 20; 5% solids; trace of sand; chlorides 3000 ppm; PB 20; Yp 35. Cum. mud cost: \$7921. Cactus 0/16½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-4-78: Rigging up free-point truck. Depth 5403'. 7 7/8" hole. Washed over fish. Top of fish 4350'. Gas coming over shaker. Raised mud wt. to 9.0#/gal. Circ. and cond. hole. Pulled out of hole. Laid down wash pipe. Picked up overshot. Tripped in hole. Could not catch fish. Pulled out of hole. Picked up wall hook. Tripped in hole and caught fish. Rigging up Dia-Log to clean out inside of drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4½" F-H; 5½" x 16" pump; 80 SPM; 432 GPM; PP 750#; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.8#; Vis. 83; WL 8.0 cc; FC 2/32; pH 10.5; gel strength ini./10 min. 8 / 22; 4% solids; trace of sand; chlorides 2000 ppm; PV 21; Yp 26. Cum. mud cost: \$8521. Cactus 0/17½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-5-78: Tripping in hole with wash pipe. Depth 5403'. 7 7/8" hole. Dia-Log cleaned out inside of drill pipe to 4555'. Ran free-point. Tried to back off. Charge did not go off. Overshot came off fish. Pulled out of hole. Changed grapples. Tripped in hole. Caught fish. Rigged up Dia-Log. Ran string shot and backed off at 4549'. Pulled out of hole. Rec. 6 jts. drill pipe (189'). Picked up wash pipe and tripped in hole. (Top fish 4539'.) Fish left in hole = bit, 24 drill collars, and 1 jt. drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts. 4½" F-H; 5½" x 16" pump; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.9#; Vis. 87; WL 9.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 8 / 26; 4% solids; trace of sand; chlorides 3000 ppm; PV 21; Yp 24. Cum. mud cost: \$9637. Cactus 0/18½/0.

*KMY*  
*JWS*  
*Bob*

**CIRCULATE TO:**

- DIRECTOR
  - PETROLEUM ENGINEER
  - MINE COORDINATOR
  - ADMINISTRATIVE ASSISTANT
  - ALL
- RETURN TO *Sally Avila* FOR FILING

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



REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Chapita Wells 15 #2

Operator Continental Oil Co.

Address 152 N. Durbin St., Casper, WY 82601

Contractor Cactus Drlg. Co.

Address Box 1239, Richardson, TX 75080

Location SE 1/4 SE 1/4; Sec. 15; T. 9 N; R. 23 E; Uintah County  
S W

Water Sands:

	<u>Depth:</u>	<u>Volume:</u>	<u>Quality:</u>
	From - To -	Flow Rate or Head -	Fresh or Salty -
1.	<u>1840'</u>	<u>200 BPH (Est.)</u>	<u>Fresh</u>
2.	<u>2090'</u>	<u>300 BPH (Est.)</u>	<u>Fresh</u>
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue on Reverse Side if Necessary)

Formation Tops:

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



Alex M. Yarsa  
Division Manager  
Production Department



Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

*Conoco 15-2*

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
SE SE Sec. 15, T9S, R23E

4-29-78: Working stuck pipe. Depth 5403'. Drld. 383'. 7 7/8" hole. Drilled to 5403'. Hole tight. Lost air returns. Worked pipe. Pulled 2 jts. stuck pipe. Had 15' movement. Mixed mud. Pumped 700 bbls. Lost 700 bbls. No returns. Ran mud and worked pipe. Stuck at 5330'. Bit #5 in hole.

4-30-78: Pulling out of hole with drill pipe. Depth 5403'. - 7/8" hole. Rigged up Dia-Log. Backed off at string float 730'. Pulled out of hole. Laid down string float. Tripped in hole with drill pipe. Screwed into fish. Ran free-point. Free point at 4376'. Ran string shot. Backed off at 4357'. Could not pull fish. Could not circulate. Ran free-point and string shot. Backed off at 4213'. Pulled out of hole with drill pipe. "Gel-Chem" - Wt. 8.7#; Vis. 50.

5-1-78: Reaming to top of fish. Depth 5403'. 7 7/8" hole. Finished pulling out of hole. Rec. 43 stands drill pipe. Top of fish at 4213'. Picked up bit, 3 drill collars, bit, sub, and jars. Tripped in hole. Washed and reamed to top of fish. Hole sloughing badly. Circ. and cond. hole @ 4211'. Fish left in hole = bit, 24 drill collars, cross-over, and 6 jts. drill pipe. First fish = 4 jts. drill pipe. Bit #5 - Sec. HTSG - 3985' to 4211' - reaming. 3 6 1/4" drill collars; WOB 50,000#; 40 RPM; 5 1/2" x 16" pump; 34 SPM; 185 GPM; PP 200#; BHA - bit, two cross-overs, bit sub, jars, cross-over, 3 drill collars, cross-over, and drill pipe. "Gel-Chem" Wt. 8.7#; Vis. 55; WL 10.0 cc; fc 2/32; pH 9.0; gel strength ini./10 min. 2 / 4; 3% solids; trace of sand; chlorides 250 ppm. Cum. mud cost: \$6845. Cactus 0/14 1/2/0.

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2- Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-2-78: Washing over first fish. Depth 5403'. 7 7/8" hole. Circ. and cond. mud. Made short trip of 10 stands. Tripped in hole. Had 5' fill. Pulled out of hole. Picked up wash pipe and fishing tools. Tripped in hole. Circ. 1 hr. above fish. Washed over fish. Hole sloughing badly. Increased vis. to 110. Circ. at 4339', bottom of fish. Bit #5 in hole. 8 5 7/8" drill collars; WOB 5,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 40 SPM; 216 GPM; PP 300#; BHA - washover shoe, 4 jts. wash pipe, 7 3/8" OD 6 5/8" ID - 122', cross-over, bit sub, jars, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.7#; Vis. 65; WL 8.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 6 / 21; 3% solids; trace of sand; chlorides 3000 ppm; PV 16; Yp 20. Cum. mud cost: \$7796. Cactus 0/15 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-29-78: Working stuck pipe. Depth 5403'. Drld. 383'. 7 7/8" hole. Drilled to 5403'. Hole tight. Lost air returns. Worked pipe. Pulled 2 jts. stuck pipe. Had 15' movement. Mixed mud. Pumped 700 bbls. Lost 700 bbls. No returns. Ran mud and worked pipe. Stuck at 5330'. Bit #5 in hole.

4-30-78: Pulling out of hole with drill pipe. Depth 5403'. - 7/8" hole. Rigged up Dia-Log. Backed off at string float 730'. Pulled out of hole. Laid down string float. Tripped in hole with drill pipe. Screwed into fish. Ran free-point. Free point at 4376'. Ran string shot. Backed off at 4357'. Could not pull fish. Could not circulate. Ran free-point and string shot. Backed off at 4213'. Pulled out of hole with drill pipe. "Gel-Chem" - Wt. 8.7#; Vis. 50.

5-1-78: Reaming to top of fish. Depth 5403'. 7 7/8" hole. Finished pulling out of hole. Rec. 43 stands drill pipe. Top of fish at 4213'. Picked up bit, 3 drill collars, bit, sub, and jars. Tripped in hole. Washed and reamed to top of fish. Hole sloughing badly. Circ. and cond. hole @ 4211'. Fish left in hole = bit, 24 drill collars, cross-over, and 6 jts. drill pipe. First fish = 4 jts. drill pipe. Bit #5 - Sec. HTSG - 3985' to 4211' - reaming. 3 6 1/4" drill collars; WOB 50,000#; 40 RPM; 5 1/2" x 16" pump; 34 SPM; 185 GPM; PP 200#; BHA - bit, two cross-overs, bit sub, jars, cross-over, 3 drill collars, cross-over, and drill pipe. "Gel-Chem" Wt. 8.7#; Vis. 55; WL 10.0 cc; fc 2/32; pH 9.0; gel strength ini./10 min. 2 / 4; 3% solids; trace of sand; chlorides 250 ppm. Cum. mud cost: \$6845. Cactus 0/14 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-2-78: Washing over first fish. Depth 5403'. 7 7/8" hole. Circ. and cond. mud. Made short trip of 10 stands. Tripped in hole. Had 5' fill. Pulled out of hole. Picked up wash pipe and fishing tools. Tripped in hole. Circ. 1 hr. above fish. Washed over fish. Hole sloughing badly. Increased vis. to 110. Circ. at 4339', bottom of fish. Bit #5 in hole. 8 5 7/8" drill collars; WOB 5,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 40 SPM; 216 GPM; PP 300#; BHA - washover shoe, 4 jts. wash pipe, 7 3/8" OD 6 5/8" ID - 122', cross-over, bit sub, jars, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.7#; Vis. 65; WL 8.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 6 / 21; 3% solids; trace of sand; chlorides 3000 ppm; PV 16; Yp 20. Cum. mud cost: \$7796. Cactus 0/15 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-3-78: Washing over fish. Depth 5403'. - 7 7/8" hole. Circ. above fish. Pulled out of hole. Laid down washover pipe. Picked up fishing tools. Tripped in hole and caught fish. Recovered 4 jts. (126') drill pipe. Laid down fish and fishing tools. Picked up 7 jts. washover pipe and tripped in hole. Circ. and cond. hole above second fish. Washing over fish at 4410'. Fish in hole: bit, 24 drill collars, and 6 jts. drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 60-65 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 600#; BHA - shoe, 7 jts. washover pipe, cross-over, bit sub, bumper jars, hydraulic jars, cross-over, 8 drill collars, cross-over, and drill pipe. "Gel-Chem" - Wt. 9.0#; Vis. 78; WL 8.0 cc; FC 2/32; pH 10.5; gel strength ini./10 min. 6 / 20; 5% solids; trace of sand; chlorides 3000 ppm; PB 20; Yp 35. Cum. mud cost: \$7921. Cactus 0/16 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-22-78: Drilling at 2250'. Made 155'. 12¼" hole. Made short trip. Pumped mud and LCM. No returns. Hooked up compressor. Aerated mud. Got returns. Rigged up mud line to pits. Bit #3 in hole. Drlg. with aerated water.

4-23-78: Circ. for logs. Depth 2500' - Green River. Made 250'. 12¼" hole. Drilled to 2500'. Still losing circulation at times. Drlg. with aerated water. Bit #3 in hole.

4-24-78: WOC. Depth 2501', PBSD 2455'. 12¼" hole. Pulled out of hole. Strapped - correction 2501'. Rigged up Dresser-Atlas and ran Dual Ind.-GR from TD to 90' and Comp. D. Log from TD to 500'. Rigged down loggers and rigged up casing crew. Ran 62 jts. 9 5/8", 36#, K-55, ST&C casing with float shoe, baffle plate, 21 centralizers, stage collar at 770' with one basket above and one below. Casing set at 2496' KB. Rigged up Halliburton. Cemented first stage with 250 sacks "Thick-Set", 10% "Cal-Seal", 2% CaCl<sub>2</sub>, and 12½# "Gilsonite"/sack. Tailed in with 175 sacks Class "G" and 2% CaCl<sub>2</sub>. Dropped bomb. Opened stage collar. Circ. with water. Cemented with 350 sacks Class "G" and 2% CaCl<sub>2</sub>. Plug down 1 a.m. 4-24-78. No cement returns. WOC and 1" cement. Log tops: First limestone 1312'; Green River marlstone 1646'. Logger's depth 2502'. Cactus 0/7½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-25-78: Nippling up BOP. Dumped pea gravel in surface pipe. Rigged up HOWCO and ran in with 1" pipe. Cemented to surface with 125 sacks Class "G" cement and 3% CaCl<sub>2</sub>. Cut off casing. Cactus 0/8½/0. Depth 2501' - Green River.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-26-78: Drilling at 3202'. Made 701'. Finished nipling up BOP. Press. tested pipe and blind rams to 1500 psi. Held okay. Tripped in hole. Drl. out cement. Blew hole dry. Now drilling ahead with air. Bit #3 in hole. 25 6¼" drill collars; WOB 15,000-20,000#; 50 RPM; drill pipe tool jts.: 4½" F-H; drill collar tool jts.: 4½" X-H; two 900 CFM compressors and one booster; PP 150#; BHA - bit and drill collars. Cactus 0/9½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-27-78: Drilling at 4614'. Made 1412'. 7 7/8" hole. Bit #4 in hole. 25 6½" drill collars; WOB 40,000-45,000#; 60 RPM; drill pipe tool jts.: 4½" F-H; drill collar tool jts.: 4½" X-H; three 900 CFM compressors and one booster; PP 300#; BHA - bit and drill collars. Cactus 0/10½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

4-28-78: Drilling at 5020'. Made 406'. 7 7/8" hole. Hole sticky. Reamed 350' to bottom. Blew hole with soap. Drilling ahead 60'/hr. Bit #4 - STC F-45 - 2501' to 4677'. Bit #5 in hole. 25 6½" drill collars; WOB 40,000-45,000#; 50-60 RPM; drill pipe tool jts.: 4½" F-H; drill collar tool jts.: 4½" X-H; three 900 CFM compressors and one booster; PP 375#; BHA - bit and drill collars. Drlg. with air mist. Cum. mud cost: \$4492. Cactus 0/11½/0.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Chapita Fed. 15

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chapita - Mesa Verde

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

Sec. 15, T9S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin, Casper, Wyoming 82601

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

656' FSL, 817' FEL (SE SE)

14. PERMIT NO.

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

5074'

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

Supplemental Data

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.)\*

This is supplemental data to go with our Sundry Notice dated March 17, 1978, concerning a pipeline connection for the Chapita Federal 15 No. 2 well.

Please see the attached sheet for information relating to placement of production facilities for this well.

USGS (3) UDOGM (2) File

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

SIGNED

*J. C. Thompson*

TITLE Administrative Supervisor

DATE 5-4-78

(This space for Federal or State office use)

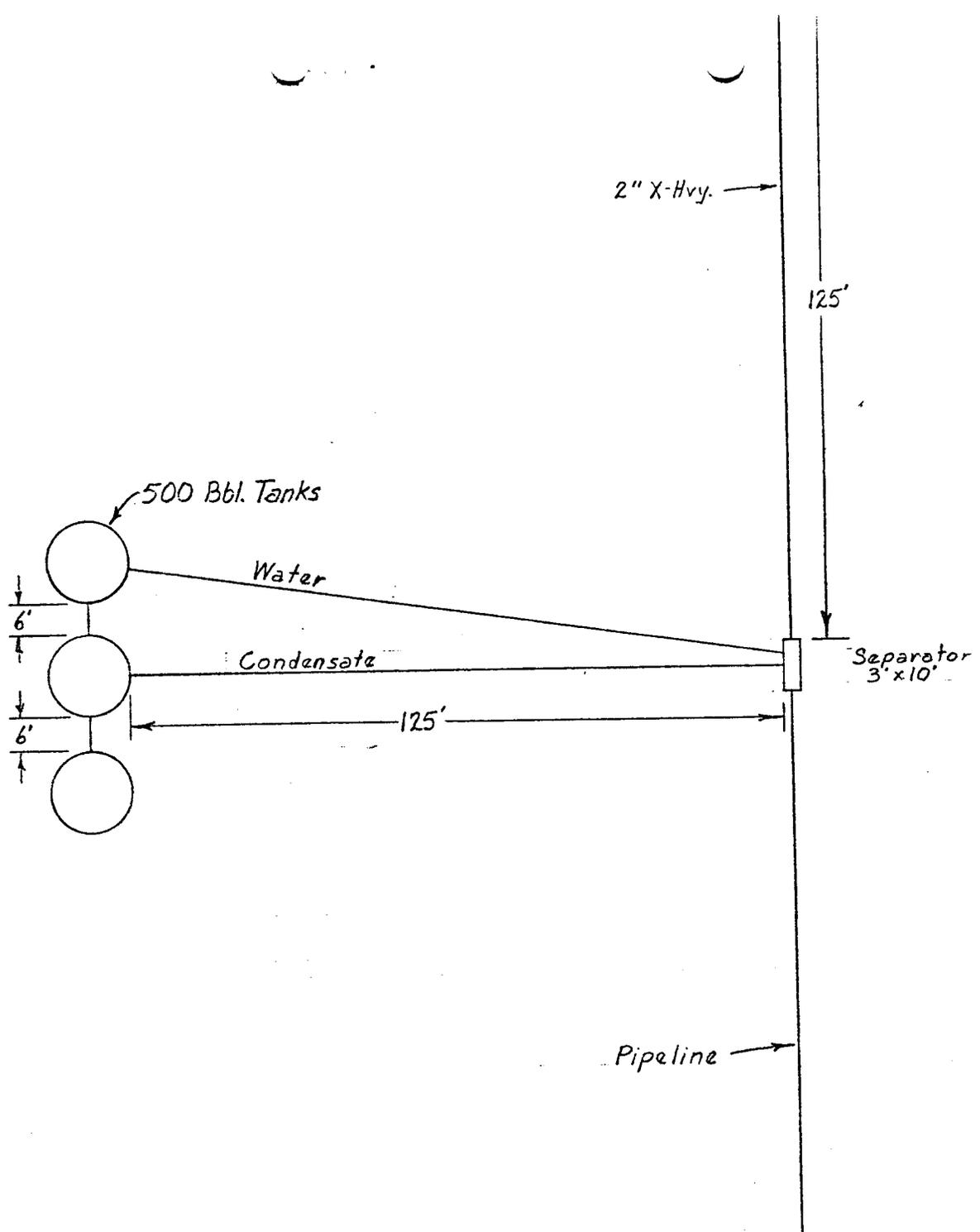
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.  
60463

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Chapita Federal 15

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
Wasatch - Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

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  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin; Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)  
At surface  
656' FSL, 817' FEL (SESE)

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' Ground Level

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) _____	NTL-Item 8 <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.)\*

Attached is the subject information. Tests and a completion report will follow.

USGS (3), UDOGM (2) File

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

SIGNED T. C. Thompson

TITLE adm. Supervisor

DATE 5-9-1978

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

PROPOSED COMPLETION PROGRAM

N.T.L. - 6 Application

Chapita Federal 15 No. 2

1. Formation and Completion Interval:

Wasatch: Selected intervals from approximately 4611' - 6651'  
Mesaverde: Selected intervals from approximately 6651' - 9000'

2. Completion Method:

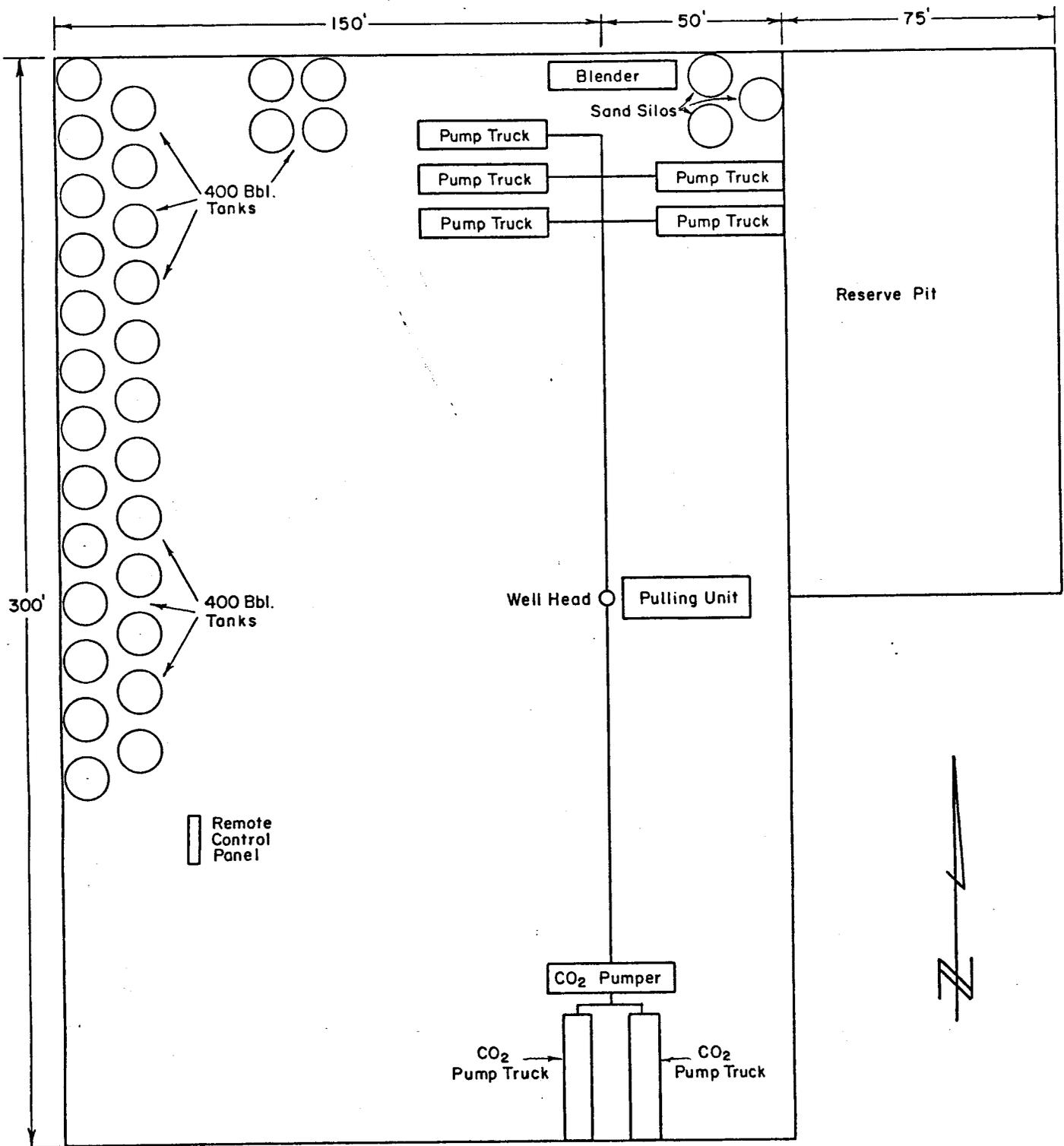
Perforate the casing and sand fracture.

3. Acidizing:

Break perfs down with 10,000 gallons 15% HCL-NE.

4. Fracture Treatment:

Approximately 450,000 gallons of gelled water with 800,000 pounds of 20-40 sand and 50 tons of CO<sub>2</sub>.



FRACTURING EQUIPMENT LAYOUT

CHAPITA FEDERAL 15 N<sup>o</sup> 2

Scale: 1" = 40'

Date: 5-9-78

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-4-78: Rigging up free-point truck. Depth 5403'. 7 7/8" hole. Washed over fish. Top of fish 4350'. Gas coming over shaker. Raised mud wt. to 9.0#/gal. Circ. and cond. hole. Pulled out of hole. Laid down wash pipe. Picked up overshot. Tripped in hole. Could not catch fish. Pulled out of hole. Picked up wall hook. Tripped in hole and caught fish. Rigging up Dia-Log to clean out inside of drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 80 SPM; 432 GPM; PP 750#; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.8#; Vis. 83; WL 8.0 cc; FC 2/32; pH 10.5; gel strength ini./10 min. 8 / 22; 4% solids; trace of sand; chlorides 2000 ppm; PV 21; Yp 26. Cum. mud cost: \$8521. Cactus 0/17 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-5-78: Tripping in hole with wash pipe. Depth 5403'. 7 7/8" hole. Dia-Log cleaned out inside of drill pipe to 4555'. Ran free-point. Tried to back off. Charge did not go off. Overshot came off fish. Pulled out of hole. Changed grapples. Tripped in hole. Caught fish. Rigged up Dia-Log. Ran string shot and backed off at 4549'. Pulled out of hole. Rec. 6 jts. drill pipe (189'). Picked up wash pipe and tripped in hole. (Top fish 4539'.) Fish left in hole = bit, 24 drill collars, and 1 jt. drill pipe. 8 5 7/8" drill collars; WOB 10,000#; 50 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts. 4 1/2" F-H; 5 1/2" x 16" pump; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.9#; Vis. 87; WL 9.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 8 / 26; 4% solids; trace of sand; chlorides 3000 ppm; PV 21; Yp 24. Cum. mud cost: \$9637. Cactus 0/18 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-6-78: Washing over fish. Depth 5403'. Cut drilling line. Replaced goosneck on swivel. Tripped in hole. Washed to 4637'. Pulled out of hole. Changed shoe. Tripped in hole. Washed over fish at 4674'. "Gel-Chem" - Wt. 8.9#; Vis. 89; WL 9.0 cc; chlorides 2900 ppm.

5-7-78: Tripping in hole. Depth 5403'. Washed over fish to 4700'. Pulled out of hole. Laid down wash pipe. Picked up fishing tools. Tripped in hole. Followed fish down hole 73'. Caught fish. Worked pipe. Fish came free. Pulled out of hole with fish. Laid down tools and 9 drill collars. Picked up BHA. "Gel-Chem" - Wt. 8.9#; Vis. 87; chlorides 2800 ppm.

5-8-78: Drilling at 5420'. Drld. 17' and reamed 713'. 7 7/8" hole. Finished tripping in hole. Washed and reamed from 4680' to 5403'. Hole sloughing badly. Drilled 2'. Made short trip of 12 stands. Bit #6 in hole. 15 6 1/4" drill collars; WOB 5,000-30,000#; 30-60 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 39 SPM; 210 GPM; PP 1200#; ann. vel. - 224 on drill collars and 112 on drill pipe; jet vel. 242; BHA: wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. "Gel-Chem" - Wt. 8.9#; Vis. 110; WL 5.2 cc; FC 2/32; pH 10.0; gel strength ini./10 min. 9 / 22; 4% solids; trace of sand; chlorides 3600 ppm; PV 20; Yp 26. Cum. mud cost: \$10,020. Cactus 0/21 1/2/0.



Alex M. Yersa  
Division Manager  
Production Department



Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

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CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-13-78: Drilling at 6247'. Made 192'. 7 7/8" hole. Bit #7 in hole. Drlg. with salt/gel - Wt. 9.0#; Vis. 40; chlorides 71,000 ppm.

5-14-78: Drilling at 6407'. Made 160'. 7 7/8" hole. Bit #7 in hole. Drlg. with salt/gel - Wt. 9.2#; Vis. 37; WL 7.0 cc; chlorides 85,800 ppm.

5-15-78: Drilling at 6600'. Made 193'. 7 7/8" hole. Bit #7 in hole. 15 6 1/4" drill collars; WOB 35,000#; 60 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jtsl: 4 1/2" F-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1200#; ann. vel. - 346 on drill collars and 173 on drill pipe; jet vel. 270; BHA - bit, s. drill collar, cross-over, 11 drill collars, jars, 4 drill collars, and cross-over. Drlg. with salt/gel - Wt. 9.2#; Vis. 38; WL 10.2 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 15 / 26; 3.5% solids; trace of sand; chlorides 86,700 ppm; PV 34; Yp 12. Cum. mud cost: \$15,545. Cactus 0/28 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-16-78: Tripping in hole. Depth 6677'. Made 77'. 7 7/8" hole. Ran survey. Survey tool stuck in pipe. Drilled to 6677'. Mixed salt pill. Pulled out of hole for bit. Survey: 3 1/4° at 6583'.

Summary of shows:

Green River formation:

- 2658' Large 50' flare, 10 min. duration.
- 2755' Medium 30' flare, 1 min. duration.
- 2949' Medium 30' flare, 1 min. duration.

Wasatch formation:

- 5482-5501' 19' sandstone with increase of 360 units above background of 10 units. C<sub>1</sub> = 4% with undetermined amt. of C<sub>2</sub> and C<sub>3</sub>.
- 5924-5937' 13' sandstone with increase of 170 units above background of 10 units. C<sub>1</sub> = 2.4%; C<sub>2</sub> = 0.07%; C<sub>3</sub> = 0.03%.
- 5962-5968' 6' sandstone with increase of 62 units over background of 10 units. C<sub>1</sub> = 1%; C<sub>2</sub> = 0.07%; C<sub>3</sub> = 0.03%.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-9-78: Drilling in Wasatch at 5458'. Made 38'. 7 7/8" hole. Circulated hole with #2 pump while repairing pump #1. Water backed pits and converted to salt base mud. Bit #6 in hole. 15 6 1/4" drill collars; WOB 30,000#; 50-60 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 56 SPM; 302 GPM; PP 1550#; ann. vel. - 322 on drill collars and 161 on drill pipe; jet vel. 348; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over, and drill pipe. Salt base mud - Wt. 8.9#; Vis. 48; WL 9.2 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 9 / 30; 4% solids; trace of sand; chlorides 33,000 ppm; PV 12, Yp 20. Cum. mud cost: \$10,520. Cactus 0/22 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-10-78: Drilling at 5695' in Wasatch - Made 237'. 7 7/8" hole. Made 12-stand short trip. Bit #6 in hole. 15 6 1/4" drill collars; WOB 30,000#; 55 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 50 SPM; 270 GPM; PP 1400#; ann. vel. - 288 on drill collars and 144 on drill pipe; jet vel. 311; BHA - wall hook, overshot, clean-out sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over, and drill pipe. Drlg. with salt-base mud - Wt. 9.1#; Vis. 44; cum. mud cost: \$10,520. Cactus 0/23 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-11-78: Drilling at 5980', Wasatch. Made 285'. 7 7/8" hole. Bit #6 in hole. 15 6 1/4" drill collars; WOB 30,000#; 55 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 50 SPM; 270 GPM; PP 1400#; ann. vel. - 288 on drill collars and 144 on drill pipe; jet vel. 311; BHA - wall hook, overshot, cleanout sub, bumper sub, hydraulic jars, cross-over, 8 drill collars, cross-over and drill pipe. Drlg. with salt-base mud - Wt. 9.1#; Vis. 38; WL 12 cc; FC 2/32; pH 8.5; gel strength ini./10 min. 8/30; 3% solids; trace of sand; chlorides 56,000 ppm; PV 14; Yp 21. Cum. mud cost: \$11,256. Cactus 0/24 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

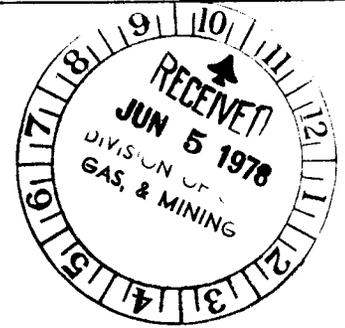
5-12-78: Tripping in hole. Depth 6055'. Made 75'. 7 7/8" hole. Drilled to 6055'. Lost pump pressure. Pulled out of hole, looking for hole. Jars were washed out. Picked up new jars. Bit #6 - HTC J-33 - 5403' to 6055'. Bit #7 in hole. 15 6 1/4" drill collars; WOB 20,000-30,000#; 50-60 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 50 SPM; 270 GPM; PP 1400#; ann. vel. - 288 on drill collars and 144 on drill pipe; jet vel. 311; BHA - bit, s. drill collar, cross-over, 11 drill collars, jars, 4 drill collars, and cross-over. Drilling with salt-base mud - Wt. 9.0#; Vis. 38; WL 12 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 20 / 30; 3% solids; trace of sand; chlorides 69,300 ppm; PV 6; Yp 38. Cum. mud cost: \$12,418. Cactus 0/25 1/2/0.



Alex M. Yarsa  
 Division Manager  
 Production Department



Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311



CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Dr1g. Foreman: Haggen  
 Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-27-78: Drilling at 8302' at 7:45 a.m. Made 142'. 7 7/8" hole. MW 11.4#.  
 Background gas: 50 units on gold filament and 180 on bead filament. MW 11.2#  
 appears to be balanced.

8193-8199' (6') Broke from 14 min./ft. to 3 min./ft. Sandstone, white to  
 clear to lt. brown, very fine grained with some fine grained,  
 some clay filling, porosity 8%, dull brown fluorescence with  
 no cut. Total gas 20 units over 100 units background

C<sub>1</sub> = 6 units  
 C<sub>2</sub> = 1 unit  
 C<sub>3</sub> = trace

8202-8233' (31') Broke from 14 min./ft. to 3 min./ft. Sandstone, white to  
 clear, very fine grained to some fine grained, semi-friable,  
 low porosity, est. 8%; dull brown fluorescence, very poor  
 yellow cut. Total gas 50 units above 100 units background.

C<sub>1</sub> = 21 units = 2%  
 C<sub>2</sub> = 2 units  
 C<sub>3</sub> = 0.5 units  
 C<sub>4</sub> = trace

Bit #10 in hole. Salt/gel - Wt. 11.4#; Vis. 40; salinity 264,000 ppm.

5-28-78: Drilling at 8427'. Made 125'. 7 7/8" hole. Background gas =  
 1000 units with MW of 11.4#.

8316-1322' (6') Broke from 10 min./ft. to 2.5 min./ft. Possible coal bed.  
 Total gas 600 units over background of 130 units.

C<sub>1</sub> = 592 units = 6%  
 C<sub>2</sub> = 64 = 0.7%  
 C<sub>3</sub> = 16 units = 0.16%  
 C<sub>4</sub> = trace  
 C<sub>5</sub> = trace

8342-8354' (12') Broke from 12 min./ft. to 3 min./ft. Sandstone, white to  
 clear to lt. brown, very fine grained, clay filled, low  
 porosity (est. 4%). Total gas 160 over background of 100.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

7508-7529'

Sandstone, same as previous shows. No fluorescence. Drilling rate broke from 7 min./ft. to 2 min./ft. Total gas was 52 units above background (4).

C<sub>1</sub> = 68 units = 0.7%  
C<sub>2</sub> = 8 units = 0.04%  
C<sub>3</sub> = 4 units = 0.03%

7591-7608'

Sandstone, off-white to light brown to salt and pepper, very fine grained to fine grained, semi-friable, low porosity (6%), poor scattered dull brown fluorescence, no cut. Total gas 68 units above background (4). Broke from 7 min./ft. to 2.5 min./ft.

C<sub>1</sub> = 84 units = 0.87%  
C<sub>2</sub> = 16 units = .08%  
C<sub>3</sub> = 8 units = .05%  
C<sub>4</sub> = trace

7621-7635'

Sandstone, off-white to light brown to salt and pepper, very fine grained with some fine grained; fused quartz with some scattered calcareous cement. Low porosity (6%). Broke from 7 min./ft. to 2.5 min./ft. Total gas = 76 units above background (4).

C<sub>1</sub> = 80 units = 0.82%  
C<sub>2</sub> = 16 units = 0.08%  
C<sub>3</sub> = 8 units = 0.05%  
C<sub>4</sub> = trace

7640-7645'

Lithology same as above. Broke from 7 min./ft. to 3 min./ft. Total gas 44 units above background (4).

C<sub>1</sub> = 56 units = 0.57%  
C<sub>2</sub> = 8 units = 0.04%  
C<sub>3</sub> = 4 units = 0.03%



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foremen: Vaughn and Hagen  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-26-78: Drilling at 8160' at 7 a.m. Made 146'.

8069-76' Drilling break from 15 min./ft. to 1 min./ft. Samples poor; suspect a coal bed. Total gas = 280 units over background of 1160 units. No gas breakdown.

8085-90' Drilling break from 15 min./ft. to 4 min./ft. Sandstone, light brown, very fine grained, semi-friable, porosity 6-8%. Total gas 600 units above background of 800 units.

C<sub>1</sub> = 24 units = 0.25%  
C<sub>2</sub> = 5 units = 0.025%  
C<sub>3</sub> = 3 units = .02%  
C<sub>4</sub> = trace  
C<sub>5</sub> = trace

8141-53' Drilling break from 12 min./ft. to 4 min./ft. Sandstone, clear to light brown, very fine grained, semi-friable, porosity est. 6%. Dull brown fluorescence with no cut. Total gas 200 units over background of 520.

C<sub>1</sub> = 6 units = .06%  
C<sub>2</sub> = trace  
C<sub>3</sub> = trace

Now 600 to 900 units background gas.

Bit #10 in hole. 18 6¼" drill collars; WOB 30,35,000#; 45-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; 5½" x 16" pump; 57 SPM; 308 GPM; PP 1400#; ann. vel. - 329 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 10.9#; Vis. 40; FC 2/32; pH 2; gel strength ini./10 min. 8 / 11; 8.5% solids; trace of sand; salinity 278,500 ppm; PV 19; Yp 16. Cum. mud cost: \$29,490. Cactus 0/39½/0.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-23-78: Circulating out gas. Depth 7817' - Mesaverde. Made 153'. 7 7/8" hole. Drilled to 7817'. Drilling break 7799-7810' - from 8 to 1.5 min./ft. Gas increased from 12 to 520 units; now holding at 210 units. Circulated gas out. Built mud wt. with salt. Rate is 80 units with mud at 9.7#/gal. Bit #9 in hole. 18 6 1/2" drill collars; WOB 30,000-35,000#; 60 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 57 SPM; 308 GPM; PP 1200#; ann. vel. 309 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 9.4#; Vis. 32; WL 14.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 11 / 14; 5% solids; trace of sand; salinity 140,000 ppm; PV 23; Yp 19. Cum. mud cost: \$23,230. Cactus 0/36 1/2/0.

5-24-78: Drilling in Mesaverde at 7874'. Made 57'. 7 7/8" hole. Circ. and built mud wt. to 10.0#/gal. Pulled out of hole. Picked up new bit. Tripped in hole. Drlg. ahead with 800 units of gas. Survey: 2 1/4" at 7820'. Bit #9 HTC J-33 - 7194' to 7820'. Bit #10 in hole. 18 6 1/2" drill collars; WOB 20,000-35,000#; 40-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1200#; ann. vel. 346 on drill collars and 173 on drill pipe; jet vel. 230; BHA - bit, 14 drill collar, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 10.2#; Vis. 32; WL 17.0 ccp FC 2/32; pH 8.5; gel strength ini./10 min. 8 / 11; 3.5% solids; trace of sand; salinity 247,000 ppm; PV 14; Yp 12. Cum. mud cost: \$25,701. Cactus 0/37 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-25-78: Drilling in Mesaverde at 8014'. Made 140'. 7 7/8" hole. Bit #10 in hole. 2400 units of gas. Drlg. breaks: 7889-7896' and 7908-7920'. 18 6 1/2" drill collars; WOB 30,000-40,000#; 40-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 57 SPM; 308 GPM; PP 1400#; ann. vel. - 329 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 10.0#; Vis. 37; WL 15.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 15 / 30; 8% solids; 2% sand; salinity 132,000 ppm; PV 35; Yp 17. Cum. mud costs: \$20,241. Cactus 0/32 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-17-78: Drilling at 6807'. Made 130'. 7 7/8" hole. Repaired drawworks. Tripped in hole. Circulated. Drilling ahead. Bit #8 in hole. 18 6 1/2" drill collars; WOB 35,000#; 50-60 RPM; drill pipe tool jts.: 4" X-H; drill collar tool jts.: 4 1/2" F-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1200#; ann. vel. - 346 on drill collars and 173 on drill pipe; jet vel. 270; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 9.3#; Vis. 41; WL 13.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 16 / 30; 5% solids; trace of sand; chlorides 111,000 ppm; PV 36; Yp 16. Cum. mud cost: \$19,147. Cactus 0/30 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn

5-18-78: Drilling in Mesaverde at 6972'. Made 165'. 7 7/8" hole. Bit #8 in hole. 18 6 1/2" drill collars; WOB 30,000-35,000#; 55-60 RPM; drill pipe tool jts.: 4" F-H; 4 1/2" X-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1200#; ann. vel. - 346 on drill collars and 173 on drill pipe; jet vel. 270; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over and drill pipe. Salt/gel - Wt. 9.5#; Vis. 37; WL 14.0 cc; FC 2/32; pH 8.5; gel strength ini./10 min. 14 / 25; 5% solids; trace of sand; chlorides 99,000 ppm; PV 34; Yp 16. Cum. mud cost: \$19,645. Cactus 0/31 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-19-78: Drilling in Mesaverde at 7149'. Made 177'. 7 7/8" hole. Bit #8 in hole. 18 6 1/2" drill collars; WOB 35,000#; 60 RPM; drill pipe tool jts.: 4" F-H; 4 1/2" X-H; 5 1/2" x 16" pump; 47 SPM; 254 GPM; PP 1000#; ann. vel. - 271 on drill collars and 135 on drill pipe; jet vel. 212; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over and drill pipe. Salt/gel - Wt. 10.0#; Vis. 37; WL 15.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 15 / 30; 8% solids; 2% sand; chlorides 132,000 ppm; PV 35; Yp 17. Cum. mud cost: \$20,241. Cactus 0/32 1/2/0.

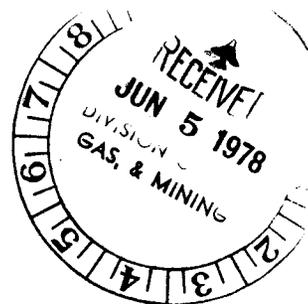
Summary of shows:

6840-6859' Possible gas show; sandstone, fine grained, fair porosity (8%). Logging unit was off during time it was drilled, but background gas increased from 4 to 8 units across shut-off period. Drilling break = 9 min./ft. to 2 min./ft. (6840-6859').

6928-6936' Gas show. Samples very poor. Sandstone - very fine grained to fine grained, light gray to light green to dirty white, calcareous cement; porosity = 8%. Drilling break = 10 min./ft. to 2 min./ft. (6928-6936').

Total gas - 164 units over background of 8 units.

C<sub>1</sub> = 176 units or 1.8%  
C<sub>2</sub> = 20 units or 0.1%  
C<sub>3</sub> = 8 units or 0.05%



C<sub>1</sub> = 280 units = 2.8%  
C<sub>2</sub> = 32 units = 0.17%  
C<sub>3</sub> = trace

8375-8380' (5') Broke from 12 min./ft. to 4 min./ft. Sandstone, white to salt and pepper to lt. brown, white, clay filling, semi-friable, porosity est. at 4%. Total gas units 460 over 160 background.

C<sub>1</sub> = 432 units = 4.4%  
C<sub>2</sub> = 64 units = .33%  
C<sub>3</sub> = 16 units = 0.11%

8398-8414' (16') Broke from 14 min./ft. to 5 min./ft., then to 3 min./ft. (8' had 3 min./ft.) Lithology is uncertain. Total gas was 130 over 640 units background.

C<sub>1</sub> = 256 = 2.6%  
C<sub>2</sub> = 48 = 0.25%  
C<sub>3</sub> = 16 = .11%  
C<sub>4</sub> = trace  
C<sub>5</sub> = trace

Bit #10 in hole. Salt-gel - Wt. 11.4#; Vis. 42; WL 15.0 cc; salinity 189,000 ppm.

5-29-78: Drilling at 8490' at 7:15 a.m. Made 63'. 7 7/8" hole. Bit #10 STC F-45 - 7820-8482'. Bit #11 in hole.

8442-8458' (16') Broke from 10 min./ft. to 3 min./ft. Sandstone, off-white to light brown, very fine grained to fine grained, semi-friable, slightly calcareous cement and white clay fill, trace of free quartz grains, coarse to very coarse; porosity est. at 6%. Total gas was 350 over 160 units background gas.

C<sub>1</sub> = 384 units = 3.9%  
C<sub>2</sub> = 48 units = .25%  
C<sub>3</sub> = 13 units = .09%

Survey: 2<sup>0</sup> at 8482'. Salt/gel - Wt. 11.4#; Vis. 40; WL 15.0 cc; salinity 237,000 ppm.

5-30-78: Drilling at 8610' at 6 a.m. 7 7/8" hole. Background gas = 130 units. Made 120'.

8511-8521' (10') Broke from 12 min./ft. to 3½ min./ft. Sandstone, clear, light brown, very fine grained, slightly calcareous cement, porosity 6%, scattered light yellow fluorescence, poor cut. Total gas 60 units over background gas of 160 units.

C<sub>1</sub> = 90 units = .9%  
C<sub>2</sub> = 8 units = .04%  
C<sub>3</sub> = trace

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-25-78: Drilling in Mesaverde at 8014'. Made 140'. 7 7/8" hole. Bit #10 in hole. 2400 units of gas. Drlg. breaks: 7889-7896' and 7908-7920'. 18 6 1/4" drill collars; WOB 30,000-40,000#; 40-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 57 SPM; 308 GPM; PP 1400#; ann. vel. - 329 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 10.0#; Vis. 37; WL 15.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 15 / 30; 8% solids; 2% sand; salinity 132,000 ppm; PV 35; Yp 17. Cum. mud costs: \$20,241. Cactus 0/32 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foremen: Vaughn and Hagen  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-26-78: Drilling at 8160' at 7 a.m. Made 146'.

8069-76' Drilling break from 15 min./ft. to 1 min./ft. Samples poor; suspect a coal bed. Total gas = 280 units over background of 1160 units. No gas breakdown.

8085-90' Drilling break from 15 min./ft. to 4 min./ft. Sandstone, light brown, very fine grained, semi-friable, porosity 6-8%. Total gas 600 units above background of 300 units.

C<sub>1</sub> = 24 units = 0.25%  
C<sub>2</sub> = 5 units = 0.025%  
C<sub>3</sub> = 3 units = .02%  
C<sub>4</sub> = trace  
C<sub>5</sub> = trace

8141-53' Drilling break from 12 min./ft. to 4 min./ft. Sandstone, clear to light brown, very fine grained, semi-friable, porosity est. 6%. Dull brown fluorescence with no cut. Total gas 200 units over background of 520.

C<sub>1</sub> = 6 units = .06%  
C<sub>2</sub> = trace  
C<sub>3</sub> = trace

Now 600 to 900 units background gas.

Bit #10 in hole. 18 6 1/4" drill collars; WOB 30,35,000#; 45-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 57 SPM; 308 GPM; PP 1400#; ann. vel. - 329 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 10.9#; Vis. 40; FC 2/32; pH 2; gel strength ini./10 min. 8 / 11; 8.5% solids; trace of sand; salinity 278,500 ppm; PV 19; Yp 16. Cum. mud cost: \$29,490. Cactus 0/39 1/2/0.

7591-7608'

Sandstone, off-white to light brown to salt and pepper, very fine grained to fine grained, semi-friable, low porosity (6%), poor scattered dull brown fluorescence, no cut. Total gas 68 units above background (4). Broke from 7 min./ft. to 2.5 min./ft.

C<sub>1</sub> = 84 units = 0.87%  
C<sub>2</sub> = 16 units = .08%  
C<sub>3</sub> = 8 units = .05%  
C<sub>4</sub> = trace

7621-7635'

Sandstone, off-white to light brown to salt and pepper, very fine grained with some fine grained; fused quartz with some scattered calcareous cement. Low porosity (6%). Broke from 7 min./ft. to 2.5 min./ft. Total gas = 76 units above background (4).

C<sub>1</sub> = 80 units = 0.82%  
C<sub>2</sub> = 16 units = 0.08%  
C<sub>3</sub> = 8 units = 0.05%  
C<sub>4</sub> = trace

7640-7645'

Lithology same as above. Broke from 7 min./ft. to 3 min./ft. Total gas 44 units above background (4).

C<sub>1</sub> = 56 units = 0.57%  
C<sub>2</sub> = 8 units = 0.04%  
C<sub>3</sub> = 4 units = 0.03%

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-23-78: Circulating out gas. Depth 7817' - Mesaverde. Made 153'. 7 7/8" hole. Drilled to 7817'. Drilling break 7799-7810' - from 8 to 1.5 min./ft. Gas increased from 12 to 520 units; now holding at 210 units. Circulated gas out. Built mud wt. with salt. Rate is 80 units with mud at 9.7#/gal. Bit #9 in hole. 18 6 1/4" drill collars; WOB 30,000-35,000#; 60 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 57 SPM; 308 GPM; PP 1200#; ann. vel. 309 on drill collars and 164 on drill pipe; jet vel. 219; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 9.4#; Vis. 32; WL 14.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 11 / 14; 5% solids; trace of sand; salinity 140,000 ppm; PV 23; Yp 19. Cum. mud cost: \$23,230. Cactus 0/36 1/2/0.

5-24-78: Drilling in Mesaverde at 7874'. Made 57'. 7 7/8" hole. Circ. and built mud wt. to 10.0#/gal. Pulled out of hole. Picked up new bit. Tripped in hole. Drlg. ahead with 800 units of gas. Survey: 2 1/4" at 7820'. Bit #9 HTC J-33 - 7194' to 7820'. Bit #10 in hole. 18 6 1/4" drill collars; WOB 20,000-35,000#; 40-50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1200#; ann. vel. 346 on drill collars and 173 on drill pipe; jet vel. 230; BHA - bit, 14 drill collar, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 10.2#; Vis. 32; WL 17.0 ccp FC 2/32; pH 8.5; gel strength ini./10 min. 3 / 11; 3.5% solids; trace of sand; salinity 247,000 ppm; PV 14; Yp 12. Cum. mud cost: \$25,701. Cactus 0/37 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.000000 - Drlg. Foreman: Vaughn  
Location: SE/4 SE/4 Sec. 15, T9S, R23E

5-20-78: Drilling in Mesaverde at 7215'. Made 66'. 7 7/8" hole. Bit #8 - HTC J-33 - 6677' to 7194'. Bit #9 in hole. Drlg. with salt/gel - Wt. 9.7#; Vis. 37; WL 14.0 cc; salinity 82,500 ppm.

5-21-78: Drilling in Mesaverde at 7420'. Made 205'. 7 7/8" hole. Bit #9 in hole. Drlg. with salt/gel - Wt. 9.6#; Vis. 36; WL 13.8 cc; salinity 132,000 ppm.

5-22-78: Drilling in Mesaverde at 7664'. Made 244'. 7 7/8" hole. Bit #9 in hole. 18 6 1/4" drill collars; WOB 30,000-35,000#; 57 RPM; drill pipe tool jts.: 4" F-H; 4 1/2" X-H; 5 1/2" x 16" pump; 60 SPM; 324 GPM; PP 1500#; ann. vel. - 346 on drill collars and 173 on drill pipe; jet vel. 230; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 10.0#; Vis. 37; WL 15.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 15 / 30; 8% solids; 2% sand; salinity 132,000 ppm; PV 35; Yp 17. Cum. mud cost: \$20,241. Cactus 0/32 1/2/0.

Supplement to report of 5-22-78:

7387-7393'                   6' drilling break. Broke from 7 min./ft. to 2.5 min./ft.  
7393-7407'                   Drilled at 4 min./ft. Total gas 36 units above background (4).

C<sub>1</sub> = 52 units = 0.5%  
C<sub>2</sub> = 4 units = 0.02%  
C<sub>3</sub> = 2 units = 0.01%

Sandstone, light gray to salt and pepper, fused quartz grains with slightly calcareous cement; very fine grained to fine grained, slightly friable; low porosity (6-8%), scattered white-yellow fluorescence with very poor white cut.

7453-7476'                   Sandstone, white to light gray to salt and pepper, very fine grained to fine grained, lithology same as previous show. Scattered white-yellow fluorescence, poor cut, no free oil seen in sample. Total gas was 44 units above background (4).

C<sub>1</sub> = 48 units = 0.5%  
C<sub>2</sub> = 8 units = 0.04%  
C<sub>3</sub> = 4 units = 0.03%  
C<sub>4</sub> = trace

7508-7529'                   Sandstone, same as previous shows. No fluorescence. Drilling rate broke from 7 min./ft. to 2 min./ft. Total gas was 52 units above background (4).

C<sub>1</sub> = 68 units = 0.7%  
C<sub>2</sub> = 8 units = 0.04%  
C<sub>3</sub> = 4 units = 0.03%

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Continental Oil Company

3. ADDRESS OF OPERATOR  
152 North Durbin, Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1871' FSL, 1302' FEL (NESE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
14-20-H62-3024

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Conoco Mountain et al 34

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
Ouray-Mesaverde

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Sec. 34, T8S, R21E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB AND WD)  
4730' Ungraded Ground

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

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

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

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

We propose to change our casing program for this well because of experience gained while drilling the Chapita Federal 15 No. 2.

**NEW PROGRAM**

0-150' 13 3/8" 54.5#, K-55, ST&C  
 0-3500' 9 5/8" 36.0#, K-55, ST&C  
 0-1000' 5 1/2" 17#, N-80, LT&C  
 1000-2000' 5 1/2" 17#, K-55, ST&C  
 2000-6800' 5 1/2" 15.5#, K-55, ST&C  
 6800-9000' 5 1/2" 17#, K-55, ST&C  
 9000-10,735' 5 1/2" 17#, N-80, ST&C

APPROVED BY THE DIVISION OF  
OIL, GAS AND MINING

DATE: June 16, 1978

BY: Ph McCall

USGS(3) UDOGM(2) FILE

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED T.C. Thompson TITLE Administrative Supervisor DATE June 12, 1978

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Gonzales.

6-6-78: Tripping in hole. Depth 9170'. 7 7/8" hole. Circ. and cond. hole to log. Pulled out of hole. Rigged up loggers. Ran Sonic Log. Would not go past 3640'. Laid down logging tools. Tripped in hole to 3650' with drill pipe. Pulled out of hole. Rigged up logger and ran Proximity Log from 9170' to 4800'. Pulled out of hole. Laid down logging tools. Tripping in hole to circ. and cond. hole to run pipe. Bit #12 - JTC J-33 - 9170' - circ. and cond. hole. 18 6 1/4" drill collars; 5 1/2" x 16" pump; 52 SPM; 282 GPM; PP 1400#; ann. vel. - 290 on drill collars and 143 on drill pipe; jet vel. 192; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over and drill pipe. Salt/gel - Wt. 11.3#; Vis. 58; WL 11.0 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 6 / 11; 10.0%; salinity 224,250 ppm; PV 26; Yp 24. Cum. mud cost: \$60,437. Cactus 0/50 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Gonzales

6-7-78: Running 5 1/2" casing. TD 9170'. 7 7/8" hole. Finished tripping in hole. Circ. and cond. hole. Came out, laying down drill pipe and drill collars. Changed pipe rams in BOP. Put in 5 1/2". Rigged up casing crew. Bit #12 - HTC J-33 - 9170' - circ. and cond. hole. 18 6 1/4" drill collars; 5 1/2" x 16" pump; 52 SPM; 282 GPM; PP 1400#; ann. vel. - 290 on drill collars and 143 on drill pipe; jet vel. 192; BHA - bit, 14 drill collars, jars, 4 drill collar, cross-ver and drill pipe. Salt/gel - Wt. 11.3#; Vis. 55; WL 10.5 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 6 / 10; 10.0% solids; salinity 224,000 ppm; PV 25; Yp 20. Cum. mud cost: \$60,437. Cactus 0/51 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Gonzales

6-8-78: MORT. TD 9170'. Finished running casing. Ran 234 jts. 5 1/2" casing: 55 jts. 17#, K-55, LT&C (2179'), 175 jts. 15.5#, K-55 (6827'), and 4 jts. K-55 17# (168') (21 jts. sand-blasted across formation) at 9170' with guide shoe, diff. fill collar, first DV tool at 6992' and second DV tool at 4672', and 40 centralizers. Rigged up Dowell to cement. Circ. 4 hrs. Pumped 10 bbls. D-104, 10 bbls. CW-100, 585 sacks Class "G" cement, 18% salt, .1% D-13, and .75% D-65. Good circulation throughout job. Plug did not bump. Float collar held okay. Job completed at 4:20 p.m. 6-7-78. Dropped bomb. Opened DV tool at 6992'. Circ. 2 hrs. Pumped 10 bbls. D-104, 10 bbls. CW-100, 712 sacks Class "G" cement, 18% salt, and .10% D-13. Bumped plug. Held okay. Good circulation throughout job. Complete at 8:35 p.m. 6-7-78. Dropped bomb. Opened DV tool at 4672'. Circ. 1/2 hr. Pumped 1148 sacks 50-50 Poz, 2% gel, 10% salt, and .75% D-65. Bumped plug at 11:25 p.m. 6-7-78. Held okay. Good cement returns. Rig released at 3:30 a.m. 6-8-78. Cactus 0 - 51 3/4 - 0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. Dropped from report 6-9-78. Waiting on completion unit.

6-21-78: Moved in and rigged up workover unit. Hauled in circ. equipment and flat tank. Set and tested anchors. Cut and trimmed top of casing stub. Hooked up tubing head. Hauled in 2 7/8" tubing and unloaded. Laid lines to flat tank from circ. equipment. Moving in frac tanks and hauling frac water.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Haggen

6-2-78: Drilling at 9044'. Made 149'. 7 7/8" hole. Drilling breaks: 8895-8905' (10') - 8 to 3 min./ft. - 550 units/1750 background; 8952-8963' (11') - 11 to 3 min./ft. - 300 units/1200 background. Background this A.M. is 2500 units with 11.1#/gal. mud in hole. Sample top of Mancos 9009'. Bit #11 in hole. 18 6 1/4" drill collars; WOB 30,000-35,000#; 50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 53 SPM; 286 GPM; PP 1400#; ann. vel. - 308 on drill collars and 152 on drill pipe; jet vel. 204; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 11.1#; Vis. 38; WL 14 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 6 / 11; 10% solids; trace of sand; salinity 214,500 ppm; PV 22; Yp 18. Cum. mud cost: \$47,884. Cactus 0/46 1/2/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foremen: Haggen & Gonzales

6-3-78: Rigging up loggers. Strap depth 9090', logger's depth 9087'. 7 7/8" hole. Got quite a bit of trip gas during short trip; knocked down background to 160 units. Started logging. On bottom at 7:20 a.m. Bit #11 - STC F-45 - 8482-9054'. Survey: 2° at 9054'. Salt/gel - Wt. 11.3#; Vis. 55; WL 10.5 cc; salinity 225,500 ppm.

6-4-78: Drilling at 9096'. Made 9'. 7 7/8" hole. Ran Dual Laterolog from 9087' to 2500', Caliper-Densi-Neutron from 9087' to 4500', and Caliper-Density from 4500' to 210'. Sonic Log would not go past 3640'. Hit bridge. Rigged down loggers. Picked up bit. Tripped in hole. Log tops:

Wasatch	4622' (+466)
Mesaverde	6718' (-1630)
Buck Tongue Member	8762' (-3674)
Castlegate Member	8859' (-3771)
Mancos	9038' (-3950)

Bit #12 in hole. Salt/gel - Wt. 11.3#; Vis. 44; WL 12.0 cc; salinity 223,250 ppm.

6-5-78: Circ. and cond. hole to log. Depth 9170'. Made 74'. 7 7/8" hole. Drilled to 9170'. Circ. and cond. hole. Made short trip of 10 stands. Bit #12 in hole. 18 6 1/4" drill collars; WOB 30,000-35,000#; 50-55 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4 1/2" X-H; 5 1/2" x 16" pump; 50 SPM; 270 GPM; PP 1400#; ann. vel. - 290 on drill collars and 143 on drill pipe; jet vel. - 192' BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 11.3#; Vis. 55; WL 10.5 cc; FC 2/32; pH 9.5; gel strength ini./10 min. 6 / 10; 10% solids; trace of sand; salinity 224,250 ppm; PV 24; Yp 21. Cum. mud cost: \$53,755. Cactus 0/49 1/2/0.

Drlg. Foreman: Gonzales (6-4-78 and 6-5-78).

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Haggen

5-31-78: Drilling at 8764'. Made 154'. 7 7/8" hole. Background gas 2600 units with MW 11.1#/gal. while drilling.

8651-8659' (8') Broke from 12 min./ft. to 3 min./ft. Sandstone, very fine grained, lt. brown to dark brown with black fluid stain; low porosity (6% est.), tight, hard, no calcareous cement, slightly clay-filled; no fluorescence to dull orange-brown fluorescence; poor white spotty cut.

Total gas 150 above background of 700 units.

C<sub>1</sub> = 224 = 2.3%

C<sub>2</sub> = 20 = 0.1%

C<sub>3</sub> = 15 = 0.1%

C<sub>4</sub> = trace

C<sub>5</sub> = trace

8665-8690' (25') Broke from 8 min./ft. to 2 min./ft. Sandstone, very fine grained, lt. brown, semi-friable, porosity est. at 8%, dull brown fluorescence with slow yellow-white even cut.

Total gas 1050 units over background of 950 units.

C<sub>1</sub> = 1300 = 1.3%

C<sub>2</sub> = 100 = 0.5%

C<sub>3</sub> = 25 = 0.2%

C<sub>4</sub> = trace

C<sub>5</sub> = trace

Bit #11 - STC F-45 - in hole. 18 6½" drill collars; WOB 30,000-35,000#; 50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; 5½" x 16" pump; 52 SPM; 281 GPM; PP 1400#; ann. vel. - 300 on drill collars and 149 on drill pipe; jet vel. 200; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 11.1#; Vis. 40; WL 15.0 cc; FC 2/32; pH 9; gel strength ini./10 min. 8 / 11; 10.0% solids; 5% sand; salinity 189,000 ppm; PV 22; Yp 18. Cum. mud cost: \$40,644. Cactus 0/44½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Haggen

6-1-78: Drilling at 8895'. Made 131'. 7 7/8" hole. Drlg. breaks: 8841-8852' - 10 to 3 min./ft. - 1600 units; 8855-8871' - 6 to 4 min./ft. - 2500 units. Bit #11 in hole. 18 6½" drill collars; WOB 30,000-35,000#; 50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; 5½" x 16" pump; 52 SPM; 281 GPM; PP 1400#; ann. vel. - 300 on drill collars and 149 on drill pipe; jet vel. 200; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 11.2#; Vis. 40; WL 12.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 6 / 10; 9.0% solids; trace of sand; salinity 222,750 ppm; PV 21; Yp 19. Cum. mud cost: \$45,334. Cactus 0/45½/0.

Bit #11 in hole. 18 6¼" drill collars; WOB 30,000-35,000#; 50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; 5½" x 16" pump; 55 SPM; 297 GPM; PP 1400#; ann. vel. - 317 on drill collars and 158 on drill pipe; jet vel. 212; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Salt/gel - Wt. 11.2#; Vis. 40; WL 15.0 cc; FC 2/32; pH 9.0; gel strength ini./10 min. 8 / 11; 10% solids; trace of sand; sal. 222,750 ppm; PV 21; Yp 18. Cum. mud cost: \$38,959. Cactus 0/43½/0.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Drlg. Foreman: Haggen

5-31-78: Drilling at 8764'. Made 154'. 7 7/8" hole. Background gas 2600 units with MW 11.1#/gal. while drilling.

8651-8659' (8') Broke from 12 min./ft. to 3 min./ft. Sandstone, very fine grained, lt. brown to dark brown with black fluid stain; low porosity (6% est.), tight, hard, no calcareous cement, slightly clay-filled; no fluorescence to dull orange-brown fluorescence; poor white spotty cut.

Total gas 150 above background of 700 units.

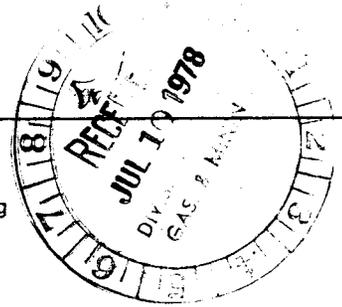
C<sub>1</sub> = 224 = 2.3%  
C<sub>2</sub> = 20 = 0.1%  
C<sub>3</sub> = 15 = 0.1%  
C<sub>4</sub> = trace  
C<sub>5</sub> = trace

8665-8690' (25') Broke from 8 min./ft. to 2 min./ft. Sandstone, very fine grained, lt. brown, semi-friable, porosity est. at 8%, dull brown fluorescence with slow yellow-white even cut.

Total gas 1050 units over background of 950 units.

C<sub>1</sub> = 1300 = 1.3%  
C<sub>2</sub> = 100 = 0.5%  
C<sub>3</sub> = 25 = 0.2%  
C<sub>4</sub> = trace  
C<sub>5</sub> = trace

Bit #11 - STC F-45 - in hole. 18 6¼" drill collars; WOB 30,000-35,000#; 50 RPM; drill pipe tool jts.: 4" F-H; drill collar tool jts.: 4½" X-H; 5½" x 16" pump; 52 SPM; 281 GPM; PP 1400#; ann. vel. - 300 on drill collars and 149 on drill pipe; jet vel. 200; BHA - bit, 14 drill collars, jars, 4 drill collars, cross-over, and drill pipe. Drlg. with salt/gel - Wt. 11.1#; Vis. 40; WL 15.0 cc; FC 2/32; pH 9; gel strength ini./10 min. 8 / 11; 10.0% solids; 5% sand; salinity 189,000 ppm; PV 22; Yp 18. Cum. mud cost: \$40,644. Cactus 0/44½/0.



Alex M. Yarsa  
 Division Manager  
 Production Department

Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-30-78: Pulled tubing and scraper. Laid down scraper. Picked up 5½" Halliburton RTTS packer. Ran in hole with tubing. Set packer at 7051'. Hooked up Halliburton. Pressured up on tubing to 4500 psi. Held for 10 min. Tested okay. Reset packer at 6592' (400' above D. V. tool). Pressured on annulus to 2000 psi. Pressured on tubing to 5500 psi. Dropped 200# in 3 min. Repeated pressure, same results. Unable to pump into at 5500 psi. Released packer. Pulled out of hole. Laid down packer. Closed well in. SDON.  
 7-1-78: Rigged up Schlumberger. Pressured up on annulus to 2500 psi. Ran GR-CBL-VDL from 9107' to 4600' KB. Rigged down Schlumberger. Had logs from 7200' to 4500' tele-copied to Casper. Bonding around D. V. tool appears to be good. Hooked up gas line to MFS. Set and hooked up production unit to line and stock tank. SDON. 7-2-78: Shut down for Sunday.

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-3&4-78: Shutdown for holidays.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. Picked up bit and sub. Tallied tubing in hole. Ran to TD. Hooked up circulating equipment. Reversed out bottoms. Pulled up on stand. Dumped and cleaned flat tank. Hauled in and dumped 270 bbls. salt water into tank. Displaced water in hole with salt water. Helped unload line pipe. Pulling tubing. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. Pulled remainder of tubing. Rigged up perforators. Perforated with 4" Select Fire Carrier at the following intervals with 1 jet shot:

7834'	8346'	8684'	8920'
7838	8348	8688	8928
7854	8350	8696	8949
7857	8352	8704	8954
7918	8432	8712	8973
7925	8434	8720	8977
7942	8436	8742	8989
7947	8438	8747	8994
8141	8472	8875	9027
8145	8476	8881	9030
8178	8480	8890	9033
8183	8484	8896	9036

Rigged down lubricator and perforators. Singled down 1500' tubing. Picked up 1 joint tubing, 5½" Halliburton RTTS packer, 1 joint tubing, seating nipple, and started running in hole with 2 7/8" tubing. Running tubing.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-22-78 thru 11-26-78: Well SI over holidays. Letting pressure build up on casing. Prep. to test well.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-27-78: CP 1700#. Will start flowing well on 11-28-78.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-28-78: CP 2100#. Opened well to pit thru choke. Flowing water. Flowed 60 BLW and then showed small amt. of gas. Left well flowing to pit thru 18/64" choke. CP 1300#.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-29-78: Flowed well for 24 hrs. Flowed between 450 and 690 MCF for an average of 560 MCF/D. Produced 137 BF with 8% oil cut. CP 550#, TP 90#. Flowing well.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-30-78: Flowed well for 24 hrs. Flowed between heads. Avg. flowing rate of 364 MCFPD with 84 BFPD. CP 520#, TP 50#. Flowing well.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 12-1-78: Flowed 368 MCFPD with 77 BFPD. CP 470#, TP 50#. Flowing well.

12-2-78: Flowed well for 24 hrs. Flowed 410 MCFPD with 88 BF. CP 430#, TP 40#. Shut well in. FINAL TEST. Completion report to follow.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-13-78: Circ. hole once with 10.4 ppg brine water. Unflanged well head. Installed BOP and stripper head. Pulled and stood back 165 jts. 1.9" tubing. Tallied and singled in 53 jts. 2 7/8" EUE tubing. Closed well in. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-14-78: Tallied and singled in 2 7/8" tubing. Ran to 6654' KB. Found 26' of sand on plug. Hooked up circ. equipment. Circ. off sand. Latched on bridge plug. Released bridge plug. Tubing went on vacuum. Waited 5 min. Pulled 1100' 2 7/8" tubing. Singling down. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-15-78: Pulled remainder of 2 7/8" tubing and Baker plug. Well began to flow. Laid down bridge plug. Pumped in brine water. Well would not die. Pumped in brine water and shut well in overnight.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-16-78: CP 1800#. Tried to blow pressure down. Flowing well to tank. Left well flowing all night. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-17-78: Shut well in 1 hr., then blew off gas. Well died. Ran in hole thru stripper head with 1.0" O.D. integral jt. N-80 tubing (total of 196 jts.). Landed on nandrel open ended at 6563' KB. SI casing. Rigged up line to flat tank. Left well flowing to pit. CP 400#.

11-18-78: CP 600#. Flowing well to pit. Rigged down pulling unit and roaded to Bonanza, Utah.

11-19-78: CP 550#, TP 150#. Cleaning up well by flowing to pit.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-20-78: Tied well into production unit. Choke sanded off. Turned well back to pit. Cleaning out choke. CP 550#.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - SE SE Sec. 15, T9S, R23E

TD 9170'. 11-21-78: CP 500#, TP 0. Well died. Shut in for pressure build-up to bring in tubing.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-2-78: Moving in equipment.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-3-78: Moving in tanks and circulating equipment.  
11-4-78 and 11-5-78: Shut down on weekend.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-6-78: Moved in all equipment. Moving in rig.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-7-78: Rooding rig to location.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-8-78: Moved in Colo. Well Service. Rigged up unit. Mixed extra  
2% KCl water. Blowing down well thru casing.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-9-78: Blew down casing. Beginning pressure 1800#. Circ. down  
casing with brine water. Removed Christmas tree. Picked up on tubing. Well  
began to unload from casing. Lowered tubing and circ. hole with 500# back  
pressure. Picked up on tubing and well began to unload. Unable to install  
BOP. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-10-78: Displaced hole with 125 bbls. brine water (10.4 ppg).  
Could not hold well. Circ. brine water four times at 400# and greater back  
pressure. Well not dead. Opened well to pit thru 24/64" choke. Flowing to  
pit.

11-11-78: Flowing well to pit. CP at 8 a.m. 1100#. Opened choke to 36/64".  
Flowing well.

11-12-78: Flowing well to pit. CP at 8 a.m. 300#. Opened choke to 48/64".  
Flowing well.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

P

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-23-78: Cleaned sand from all lines and from production unit.  
Started blowing well to pit. CP before opening well to pit was 2100#. Blowing well down.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-24-78: Flowing well to pit. Cleaning up well. Well blowing.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-25-78: Flowing well thru production unit on 17/64" choke. CP 1200#, TP 800#. Making 17 BF/H (water). No rate reported. Well not stabilized.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-26-78: Flowed well thru production unit. Rate test stabilized during last 15 hrs. of flowing: 442 MCF/D with 6 BW/H. FTP 350#, CP 800#.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-28-78: Well flowing in heads. Making 3 BWPH with 385 MCFGPD. TP 365#.

10-28-78: Well flowing thru production unit, water to tanks. Making 365 MCFPD with 3.2 BWPH avg. TP 380#.

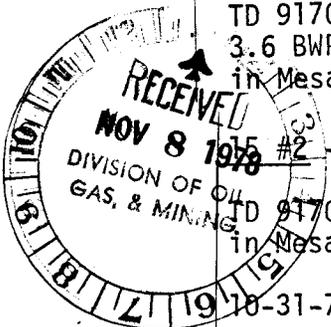
10-29-78: Well flowing thru unit. Making 3 BWPH (71 BPD) with 360 MCFGPD. TP 390#.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 10-30-78: Flowed well thru production unit. Flowed 402 MCF/D with 3.6 BWPH with TP 340#. Shut well in. Prep. to pull tubing and dual complete in Mesaverde and Wasatch zones.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. Correction on report of 10-30-78: Prep. to pull tubing and commingle in Mesaverde and Wasatch zones.

10-31-78: Well SI. Moving in equipment.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E  
TD 9170'. 11-1-78: Well SI. Moving in tanks. Transferring brine water. Moving in 2 7/8" tubing.





Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-13-78: Reduced pressure on production unit to 80#. Well flowed 290 MCFPD with 79 BLW. TP 85#, CP 450#. Cum. load = 259 bbls. Load to recover = 916 bbls. Flowing well.

10-14-78: Press. on production unit 80#. Well flowed 295 MCFPD with 17 BLW. TP 83#, CP 409#. Cum. load - 2176 bbls. Load to rec. 899 bbls. Flowing well.

10-15-78: Press. on production unit 80#. Well flowed 293 MCFPD with 14 BLW. TP 80#, CP 390#. Cum. load = 2190 bbls. Load to recover = 885 bbls. Flowing well. Will raise back pressure.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-16-78: Press. on unit 80#. Well flowed 330 MCFPD with 30 BLW. TP 81#, CP 375#. Cum. load = 2220 bbls. Load to recover = 855 bbls. Flowing well.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-17-78: Flowed well for 24 hrs. Made 290 MCFPD with 27 BLW. TP 200#, CP 475#. Cum. water = 2257 bbls. 828 BL to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-18-78: Unit went down at 9:00 p.m. 10-17-78. Started up again at 8:30 a.m. 10-18-78. Unloaded 7 BLW and put thru production unit. Unit went down again at 1:00 p.m. Water in control gas. Repaired regulators. Started well up again and put thru unit. 820 BL to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-19-78: TP 500#, CP 1800#. Well not flowing. Laid blow down line to pit. Opened well to pit. Recovered some water with approx. 1 cu. ft. sand (8 gals.). Choke plugged off. Tore down choke. Found filled with sand. Cleaned choke. Sand accumulation in master valves. Closed well in. Will attempt to blow tubing clean of sand and fluid in morning.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-20-78: At 8:00 a.m. CP 2200#. Tubing plugged. Cleaned sand and ball sealers from choke. Cleaned sand from lines. Opened well thru choke. Blew sand and oily water from well, then went to water and heavy mist. Blew well for 4 hrs. at high flow rate. Well unloading. CP 1300# at end of 4 hrs. Checked production unit; full of sand. Shut well in.

10-21-78 and 10-22-78: Shut down for weekend.



Alex M. Yarse  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

P

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-5-78: Flowed well to tank for 24 hrs. CP 1000#. Made 58 BLW. Cum. load = 1710 bbls. 1365 BL to recover. Flowing well. Very small amt. of gas.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-6-78: CP 1200#. Flowed 60 BLW in 24 hrs. Cum. water recovered 1770 bbls. 1305 BLW to recover. Left well flowing to tank on 14/64" choke.

10-7-78: Left well flowing to tank on 14/64" choke.

10-8-78: Left well flowing to tank on 14/64" choke.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-9-78: Well unloading load water and gas to 400-bbl. tank. Started to unload at 6:00 a.m. Avg. water rate 60 B/D during last three days. Cum. water = 2010 bbls. with 1065 bbls. to recover. CP 1100#, TP 900# thru 14/64" choke. Hooking up production unit to gas test well.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-10-78: (8:00 a.m.) Choke froze off. Pressure on tubing and casing same - 1700#. Started well flowing thru production unit thru 9/64" choke. Set rate of 900 MCFPD. TP 1250#, CP 1300# at 7:00 p.m. Flowing well thru unit.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-11-78: CP 1300# at 9:00 a.m., TP 1050#. Flow rate 270 MCFGPD. Fixed production unit to flow with constant 600# back pressure. Well would not flow. Lowered pressure to 400#. Well flowing at rate of 150 MCFGPD. Unloading water at capacity of production unit. Flowing gas with slugs of water. Water = 3 B/H.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-12-78: Flowed well thru unit for 24 hrs. Held continuous back pressure on unit at 400#. TP 450#, CP 690#. Gas rate = 235 MCFPD. Made 70 BLW. Cum. LW = 2080 bbls. 995 BL to recover. Flowing well.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

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CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-28-78: Well flowed to tank overnight. Press. on tubing dropped to 1000# at 5:00 a.m. Press. at 8:30 a.m. 675#; at 3:30 p.m. TP 500#, CP 700#. Well flowed total of 1020 bbls. load fluid. 2055 bbls. left to recover. Well not making enough gas to make separator work. Flowing load to tank.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-29-78: TP at 8:00 a.m. 700#. Choke nearly plugged off. Opened choke. Pressure on well dropped to 100# in 2 hrs. Well flowing 50 BWPH. No show of gas. At 11:00 a.m. opened choke to 3/4". Measured rate from 2:00 p.m. to 3:00 p.m. Flowing 20 BWPH, no gas. Cum. water production at 3:00 p.m. was 1275 bbls. 1800 BL to recover. Opened well directly to 400-bbl. frac tank.

9-30-78: Well flowed directly to 400-bbl. tank. Flowing rate of 4 BWPH with no gas. Left well flowing to 400-bbl. tank. Cum. load 1418 bbls. 1657 BL to recover.

10-1-78: Well flowed to 400-bbl. tank for 24 hrs. Avg. flowing rate of 3 BWPH. CP built up to 300# by 3:00 p.m. Fluid slightly gas cut. Left flowing to tank. Cum. water production 1504 bbls. 1571 BLW to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-2-78: Flowed well to tank overnight. CP 375#, TP 0#. Well showing small amt. of gas. Cum. recovery 1510 BL. 1565 BL to recover. Rigged down workover unit. Prep. to move to 34 #2.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-3-78: Flowed well to 400-bbl. tank. CP 450#, TP 0#. Made 52 BLW. Cum. 1562 BLW. Load to recover = 1513 bbls. Flowing to tank.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 10-4-78: Flowed well to 400-bbl. tank. CP 500#, TP 0#. Flowed back 90 BLW. Cum. = 1652 bbls. 1423 bbls. to recover. Flowing well.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD

9-23-78: Well flowing to pit at rate of 150 MCFPD with 4 BW. Ran in with swab to 3500'. Pulled 3 BW. Well flowing 150-140 MCFPD. Ran swab two more times to 5350' and turned well thru unit at 140 MCFPD. Left flowing overnight.

9-24-78: Well flowing thru unit at rate of 134 MCFPD with 4 BW. Left well flowing.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-25-78: Well flowed overnight thru unit. Made 134 MCFPD with 20 BLW. Killed well with brine water. Pulled out of hole with tubing, packer, and bridge plug. Laid down packer and bridge plug. Laid down all 2 7/8" tubing. Rigged up to run 1.9" O.D. tubing. Ran in hole with 58 stands. Shut down due to darkness.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-26-78: Finished running 1.9" OD tubing. Ran 165 jts. (5520') with one 5' x 2 3/8" blast jt. at the surface. Hooked up wellhead. Spotted 2 sacks sand to bottom of tubing, holding 800# on casing. Let sand drop to bottom. Tested lines to 4900#. Frac'd Wasatch formation as follows: All pad contained 40#/1000 gal. J-133, 25#/1000 gal. Adomite Aqua, 1 gal./1000 gal. F-78 surfactant, and 2% KCl water. All sand was 20-40. Pumped 10,000 gal. frac fluid pad. Pumped 10,000 gal. frac fluid with 0.5 ppg sand. Pumped 10,000 gal. frac fluid with 1.0 ppg sand. Pumped 10,000 gal. frac fluid with 1.5 ppg sand. Pumped 20,000 gal. frac fluid with 2.0 ppg sand. Pumped 20,000 gal. frac fluid with 2.5 ppg sand. Pumped 500 gal. frac fluid pad with 22 ball sealers (2 ball sealers/bbl.). Avg. rate of 30 B/M at avg. press. of 2900#. When ball sealers hit top set of perms, press. began to build up. Pumped second stage: Pumped 9500 gal. frac fluid pad. Pumped 5000 gal. frac fluid with 0.5 ppg sand. Pumped 5000 gal. frac fluid with 1.0 ppg sand. Pumped 7500 gal. frac fluid with 1.5 ppg sand. Pumped 10,000 gal. frac fluid with 2.0 ppg sand. Pumped 4700 gal. frac fluid with 2.5 ppg sand and had trouble with discharge pump on blender. Displaced with 6300 gal. 2% KCl water with 20#/1000 gal. Guar Gum. ISIP 2150#; 15 min. SIP 2000#. Avg. rate of second stage was 21 B/M with avg. press. of 4200#. 3075 BW to recover. Used 171,000# 20-40 sand. Shut well in to let pressure bleed off into formation.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-27-78: Pressure on well at 8:00 a.m. was 1500#. Opened well and flowed to tank at recommended rate of 40-50 BWPH. Flowing TP from 1250# to 1350#. Made 545 BW in 12 hrs. Hauling water from tank. 2530 BL to recover.



Alex M. Yarsa  
 Division Manager  
 Production Department

Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311

CHAPITA WELLS FIELD

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-21-78: Wellhead press. 1400#. Opened well and bled off pressure. Rigged up wireline truck. Ran in hole with Baker wireline retrievable "Lok-Set" packer. Ran packer to 6680' and set. Rigged up to perforate Wasatch formation. Correlated with CCL-GR-CBL Logs. Perf. with 19-gram DP jets as follows with select fire gun:

<u>Zone 1</u>	<u>Zone 2</u>	<u>Zone 3</u>	
5522' KB	5968' KB	6488' KB	6531' KB
5522.5'	5968.5'	6488.5'	6531.5'
5523'	5969	6489'	6532'
5535	5969.5'	6489.5'	6532.5'
5535.5'	5970'	6490'	6533'
5536'	5970.5'	6490.5'	6533.5'
5536.5'	5971'	6491'	6534'
5537'	5971.5'	6491.5'	6534.5'
5537.5'	5972'		
	5972.5'		
	5973'		

Total of 36 holes. Rigged down perforators. Picked up Baker Model "C" retrievable bridge plug, ball catcher, Model "C" full-bore packer, 1 jt. 2 7/8" tubing, and Otis "N" nipple. Ran in hole with 182 jts. 2 7/8" tubing. Left tools hanging in hole at 5630'. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-22-78: Rigged up Dowell. Set bridge plug at 5630'. Pulled and set packer at 5478'. Pumped in 250 gal. 15% HCl and then 500 gal. HCl with 1 ball sealer/bbl. Displaced w/35 bbls. 2% KCl water. Set rate at 7 B/M. Broke down at 2400#. Continued pumping at 7 B/M at 3000#. Had complete ball-off at 6300#. Ran bridge plug to 6062' and set packer at 5936'. Pumped in 300 gal. 15% HCl, then 700 gal. HCl with 1 ball sealer/bbl. acid. Displaced with 45 bbls. 2% KCl water. Set rate at 7 B/M. Broke down at 3100#. Continued rate of 7 B/M at 3200#. Had complete ball-off at 6500#. Released pressure. Moved bridge plug to zone 3. Set bridge plug at 6620' and packer at 6431'. Pumped in 300 gal. 15% HCl acid and then 1000 gal. 15% HCl with 1 ball sealer/bbl. Displaced with 45 bbls. 2% KCl water. Set rate at 7 B/M. Broke down at 3600#. Continued at 7 B/M from 3900# to 3400#. Had complete ball-off at 5900#. Released pressure. Moved packer to 5472'. 172 BL to recover. Rigged up swab. Swabbed well dry to 5350'. No fluid coming in, no gas. Left open to pit overnight.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

## CHAPITA WELLS FIELD

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 9-15-78: Tallied, picked up and ran 2 7/8" tubing with 4 3/4" bit. Loaded hole with brine water. Ran tubing with bit to 8157'. Hit tight spot. Took 15,000# over wt. of tubing to pull free. Lowered tubing several times to check tight spot. Made 1'. Would not go. Loaded hole. Well flowing while attempting to pull tubing. SDON.

9-16-78: Circ. down tubing to kill well with brine water. Rigged up Otis and ran in with gauge ring. Ran to bit at 8116'. Ran in with tubing plug. Ran plug to middle of bottom jt. and set plug. Pulled tubing, plug and bit. Laid down bit. Picked up notched collar and seating nipple. Started in hole with tubing. Unable to blow down well. Pumped in 60 bbls. brine water. CP 1400#. SDON.

9-17-78: Shut down on Sunday.

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TD 9170'. 9-18-78: Wellhead press. 1400#. Blew well down thru choke. Loaded hole with brine water. Started in hole with notched collar and tubing. Ran tubing thru tight spot at 8157'. Did not take weight. Ran tubing to 8410'. Tubing began to take small amt. of weight. Reversed hole. Had trouble with tubing plugging off with shale, coal cuttings, and rubber. Worked tubing up and down 3 jts. several times at 8450'. Ran tubing to 8498'. Tubing trying to plug when circ. sand out. Pulled tubing up 3 stands. SDON.

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TD 9170'. 9-19-78: Waited for brine water. Attempted to circ. sand out. Surface lines plugged with sand and shale. Cleaned out lines. Started circulation. Cleaned out to 8470' before tubing began to take weight. Continued to reverse out to 8530'. Circ. on bottom for 1 hr. Recovering small pieces of sand and shale. Removed circ. equipment. Pulled one stand and stood back in derrick. Pulled one stand and left hanging in elevators. SDON. Prep. to pull tubing from well.

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TD 9170'. 9-20-78: Blew well down. Ran in with tubing to check fillup. Tagged at 8530'. No fillup overnight. Rigged up to pull tubing. Laid down 56 jts. 2 7/8". Pulled 111 stands of 2 7/8" and stood in derrick. Well began to flow when 3 stands from top of hole. Loaded hole with brine. Closed well in. SDON.

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TD 9170'. 9-6-78: Well still dead at 4:00 p.m. CP 2550#. Press. rose to 2600# by 8:00 a.m. Continued to climb to 2625# by 2:00 p.m. Opened well up by hand and blew to pit. Flowed well until tubing unloaded liquids. Made 10 BW. CP dropped to 1820#. Shut well in. Workover unit moving in on well 9-7-78.

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TD 9170'. 9-7-78: Roding unit to location.

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TD 9170'. 9-8-78: Moving in equipment.

9-9-78 and 9-10-78: Shut down.

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TD 9170'. 9-11-78: Moving in Colo. Well Service. Prep. to rig up.

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TD 9170'. 9-12-78: Finished rigging up Colo. Well Service. Moved in flat tank and filled with water. Mixed 2% KCl water. Blew casing down to 200#. Started reversing hole with 2% KCl water. Pumped in 180 BW. Tubing continued to blow. Pumped 30 BW down tubing. Tubing continued to flow. Pumped 10 BW down tubing. Then annulus came to life. Removed wellhead. Stripped BOP on well. Casing continued to flow with water flowing over BOP. Closed BOP. Installed valve in tubing and closed well in. SDON.

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TD 9170'. 9-13-78: CP 1300#. Blew CP down. Well would not die. Removed wellhead and blast sub. Added 5 jts. 1.9" O.D. tubing. Tagged sand fillup at 8470' KB (4 perfs covered at 8472', 8476', 8480', and 8484'). Tried to reverse sand out with 2% KCl water. Could not get any sand to surface. Lowered tubing. Would stack out, but could not reverse sand. Worked on sand fill for 3 hrs. Made 4'. Well would not stay dead. Would flow from tubing and casing. Need to weight fluid up with NaCl to hold pressure. Closed well in. SDON.

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TD 9170'. 9-14-78: Displaced KCl water with brine. Kept 500# to 700# back pressure on casing with choke. Displaced KCl water from flat tank to frac tank. Circ. hole volume with 100 bbls. brine down tubing. Shut down. Bled off pressure. Well began to flow. Installed stripper rubber. Stripped out 1.9" O.D. tubing. Found bottom jt. plugged with sand and brown, gellish binding material. Laid down bottom jt. Found hole in tubing that was across perforation at 8183'. Correct sand fill-up at 8436'. SDON.

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TD 9170'. 8-28-78: At 8:00 a.m. tubing press. 125#; casing press. 440#. Made 200 MCF/day open to pit with 30 BW. Opened to 3/4" choke and put through separator at 11:30 a.m. - 5/8" plate and 2" prover. Casing press. 400#, tubing press. 30#, 265 MCF/day gas rate, 1.9 BPH liquids (30% oil). Preparing to complete in Wasatch formation. Mesaverde dies with tubing press. at 500#, sales line pressure; due to water loading tubing. Expected flow rate of 300 MCFPD when totally cleaned. A Wasatch zone completion will aid in keeping the Mesaverde zone unloaded.

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TD 9170'. 8-29-78: Well flowed at stable rate for 3½ hrs. at 265 MCF. TP 35#, CP 440#. Began to load up with liquids and died. No flow for one hour, then well unloaded. Flowed in heads for 1 hour and loaded up, then died. Dead for 1 hour. Well began to unload and flowed at stable rate of 235 MCF for 13 hours. CP 440#, TP 25#. Making 1.75 BPH during flowing. Well loaded up and died. Casing pressure built up to 900 psi, weak blow.

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TD 9170'. 8-30-78: Well still dead. Casing pressure built up from 940# to 1760# overnight. TP 0#. Left open to pit.

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TD 9170'. 8-31-78: Well was dead. Very slight blow from tubing. CP built up from 1760# to 2320# in one day. TP = 0#. Left well open to pit.

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TD 9170'. 9-1-78: Well was dead. CP built up from 2320# to 2600#. Slight blow from tubing. Left open to pit.

9-2-78: Casing built up from 2600# to 2650#. Well began to unload at 2:30 p.m. Set choke at 18/64". Flowing well at 260 MCF rate. Unloaded 30 BLW. Left well flowing with CP 2570#, TP 1250#.

9-3-78: Well continued to flow until 3:00 a.m. Well loading up with fluid. TP varies from 50# to 150#. CP dropped from 2350# at 4:00 p.m. to 2200# at 5:00 p.m. to 2140# at midnight. Left open to pit.

9-4-78: Well loaded up and died. Began to unload at 3:30 a.m. Flowed continuously until 3:00 p.m. Flowing in heads with CP 2300# and TP 1800# thru 18/64" choke. Made 30 BLW.

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TD 9170'. 9-5-78: Well flowed in heads until 7:30 p.m. Then loaded up with fluids and died. CP gradually built up from 2074# at 7:30 p.m., to 2150# at 10:00 p.m., to 2200# at midnight, to 2410# at 4:00 a.m., 2500# at 10:00 a.m., and 2550# at 4:30 p.m. Well ready to unload.

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8-22-78: Flowed well through intermitter, on 25 min. per 2 hr. cycle. Max. press. 1320 psig; min. press. 1260 psig. Made 74 MCF/day with 30 BW. Well unloaded during approx.  $\frac{1}{2}$  the open cycles. Blew well down manually for  $1\frac{1}{2}$  hrs. Lowered casing pressure from 1430 to 860 psi with choke setting of 20/64". Reset timer to open 35 min. per 2 hr. cycle. 1114 bbls. to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-23-78: Flowed well through intermitter. On 34 min. per 2 hr. cycle. Flowed good on all cycles. Max. casing press. 940 psig, min. casing press. 760 psig. Made 210 MCF/D with 30 BW. Left flowing through intermitter. 1084 bbls. to recover.

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TD 9170'. No report.

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TD 9170'. 8-24-78: Flowed through intermitter with 36 min. on per 2 hr. cycle. Average max. press. = 1120#. Average min. press. = 920#. Flowing at rate of 271 MCF/day with 30 BW. 1054 bbls. to recover. Flowing through intermitter.

8-25-78: Blew down tubing. Hooked up separator to measure gas rate with fluid rate. Measured rate with stable casing pressure. Gas measured through 5/8" plate on 2" critical flow prover.  $1\frac{1}{2}$  hrs. - casing 670#, tubing 360#, 15/64" choke, 261 MCFPD rate.  $\frac{1}{2}$  hr. - casing 670#, tubing 325#, 15/64" choke, 276 MCFPD rate. Grindout of liquid showed 30% oil and 70% water.  $\frac{1}{2}$  hr. - casing 670#, tubing 360#, 15/64" choke, 276 MCFPD rate.  $\frac{1}{2}$  hr. - casing 670#, tubing 280#, 15/64" choke, 232 MCFPD rate.  $\frac{1}{2}$  hr. - casing 670#, tubing 250#, 15/64" choke, 173 MCFPD rate. Opened choke to 18/64". 1 hr. - casing 600#, tubing 320#, 18/64" choke, 245 MCFPD rate. 1 hr. - casing 595#, tubing 280#, 18/64" choke, 244 MCFPD rate.  $\frac{1}{2}$  hr. - casing 610#, tubing 150#, 18/64" choke, 211 MCFPD rate. Set choke at 18/64" with intermitter valve open so well would flow with continuous flow. Left flowing to pit. Water and distillate rate at 1.8 BPH, 1034 bbls. to recover.

8-26-78: Left well flowing continuously to pit overnight. Casing pressure built up to 1050# in 10 hrs. and tubing to 700#. Misty blow with water. At end of 18 hrs. casing built up to 1900# and tubing to 600#. Blowing dry gas from flowline. Opened choke to 21/64". Unloaded tubing in 45 min. Casing built up to 1700# and tubing to 1400#. Left flowing through 21/64" choke with gas rate at 200 MCF/day and water at 30 BWP. 994 bbls. to recover.

8-27-78: Flowed to pit overnight through 21/64" choke. Casing pressure averaged 500#, tubing pressure averaged 200#. Gas rate averaged 220 MCFPD. Made 20 BW. Opened tubing and unloaded. Made 20 BW. Reset choke to 21/64". Total water recovered including blowdown of tubing was 40 bbls. 954 bbls. water to recover. Left well flowing to pit through choke.

8-12-78: Flowing well on 4-hr. cycles thru intermitter. 1511 bbls. to recover.

8-13-78: Flowing well on 4-hr. cycles thru intermitter. Rate = 60 BWPD and 90 MCF/D gas. 1451 bbls. to recover.

8-14-78: Flowing well thru an intermitter on 4-hr. cycles. Flowing  $\frac{1}{2}$  hr. and SI  $3\frac{1}{2}$  hrs. Max. avg. SIP 1960 psi, min. avg. flowing press. 1690 psi. Avg. flow rate between 86 MCF and 90 MCF/D. Made 55 BLW. 1396 BLW to recover.

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TD 9170'. 8-15-78: Flowed well by intermitter for 24 hrs. on 4-hr. cycle. Flowed  $\frac{1}{2}$  hr. with  $3\frac{1}{2}$  hr. SI. Flowing avg. max. press. 1550 psi, avg. SIP 1310 psi. Flowed 120 MCF/D with 45 BLW. Changed cycle to 3-hr. with 20 min. flow period. 1351 BL to recover.

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TD 9170'. 8-16-78: Flowed thru an intermitter on 3-hr. cycles with 20 min. flow period. Avg. high max. 1360 psi, avg. low min. 1190 psi. Made 103 MCF/D with 44 BLW. 1307 BLW to recover. Set flow cycle to 25 min. at 4 p.m. during 3-hr. cycle.

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TD 9170'. 8-17-78: Flowed well thru intermitter for 24 hrs. on 3-hr. cycle with well open for 25 min. Max. avg. SIP 1230 psi. Min. avg. FP 1030 psi. Well flowed 144 MCF/D and made 40 BLW. 1267 BL to recover. Changed time to 32 min. open on 3-hr. cycle.

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TD 9170'. 8-18-78: Flowed well to pit through intermitter on 3 hr. cycle with 32 min. on. Max. pressure on casing = 1070 psig; min. press. = 860 psig. Flowed 165 MCF/day with 40 BLW. Reset timer to open 40 min. 1227 BL to recover.

8-19-78: Flowed well through intermitter on 3 hr. cycle with 40 min. open. Max. casing press. = 990 psig; min. press. = 780 psig. Flowed 175 MCF/day with 40 BLW. 1187 BL to recover.

8-20-78: Flowed well through intermitter on 3 hr. cycle with 40 min. open. Max. casing press. = 950 psig; min. press. = 730 psig. Flowed 181 MCF/day with 40 BLW. Reset timer to stay open 50 min. on 3 hr. cycle. 1147 BL to recover. Set choke to 28/64".

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TD 9170'. 8-21-78: Flowed well through intermitter on 50 min. per 3 hr. cycle. Max. press. 940 psig, min. press. 790 psig. Made 116 MCF/day and 30 BLW. Well did not unload on last three cycles. Blew well down manually to a good mist. Set timer for well to be open 30 min. per 2 hr. cycle. 1144 bbls. to recover.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

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TD 9170'. 8-4-78: Well producing into separator. Had weak blow. CP built from 1480 psi to 2340 psi. TP same as separator press. of 50 psi. At 4 p.m. opened tubing to pit. By 7 p.m. flowing heavy mist. CP 2150 psi. TP 0. Installed intermitter on blow-down line. Set to open 15 min. every 3 hrs. At 7:10 p.m. CP 1980 psi.

8-5-78: Intermittent failed during night. CP built up to 2740 psi. Repaired timer on intermitter. Unloaded water from tubing. CP at 10:30 a.m. 2525 psi. TP 1400 psi. At 2 p.m. intermitter failed again.

8-6-78: At 1:45 p.m. CP built up to 3070 psi. Unloaded water from tubing to pit. By 2:20 p.m. flowing heavy mist. Shut well in. CP 1450 psi, TP 1100 psi. Installed new timer with manual windup clock. Set to open 30 min. each 4 hrs. Opened well to pit. (14/64" choke.) Made total of 50 BLW 8-4-78 thru 8-6-78.

8-7-78: Cleaning well to pit. Flowing with intermitter in 4-hr. cycles. Open  $\frac{1}{2}$  hr./cycle. Lifting est. 12 bbls. water/cycle. CP 1960 psi at start of cycle and 1550 psi at end of  $\frac{1}{2}$  hr. cycle. Calculated volume of gas from pressure draw-down 29 MCF/cycle - 6 cycles per day. Total = 174 MCF/day. Made total of 72 bbls. load water. 1836 BL to recover.

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TD 9170'. 8-8-78: Still flowing to pit with intermitter operating on 4-hr. cycle. Open  $\frac{1}{2}$  hr./cycle. Press. averaged 1830 psi at the beginning and 1600 psi at end of  $\frac{1}{2}$  hr. flow cycle. Calculated volume of gas for 6 cycles/day = 174 MCF/D. Water production estimated at 72 B/D. Load water to recover = 1764 bbls.

TD 9170'. 8-9-78: Flowing well to pit. Well operating with intermitter on 4-hr. cycle. Open  $\frac{1}{2}$  hr. each cycle. Press. averaging 1810 psi on beginning of each cycle and 1600 psi at the end of  $\frac{1}{2}$  hr. flow cycle. Avg. flow rate per cycle = 16 MCF. Total for 24 hrs. = 96 MCF/D. Est. water production 72 B/D. Total load to recover 1704 bbls.

TD 9170'. 8-10-78: Continued to flow well to pit with intermitter set on 4-hr. cycle. Open  $\frac{1}{2}$  hr./cycle. Avg. press. at beginning of flow cycle 1815 psig and 1615 psig at end of cycle. Calculated flow rate is 96 MCF/D with 72 BW. Total load to recover 1632 bbls.

TD 9170'. 8-11-78: Flowing well with intermitter on a 4-hr. cycle. Open  $\frac{1}{2}$  hr., SI  $3\frac{1}{2}$  hrs. Avg. press. at beginning of flow cycle 1825 psi and 1625 psi at end of flow cycle. Calculated flow rate was 90 MCF/D with 60 BLFPD. 1572 BLW to recover.

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TD 9170'. 7-28-78: Flowed for 24 hrs. thru 3/4" choke. Rate was a high of 840 MCFPD with CP 839 psi and TP 90 psi to a low of 258 MCFPD with CP 875 psi and TP 90 psi.

7-29-78: Flowed for 24 hrs. thru 3/4" choke. Flowed at 800 MCFPD for 1 hr. and then began to load up with frac fluid. Very weak blow for remainder of day. CP building up from 540 psi to 2150 psi at end of 24 hrs. Spec. grav. of gas = .777.

7-30-78: Well had a weak blow with 2350 psi on casing. Press. built up on casing to 2650 psi and then well began to unload very hard. Gas rate went off the chart at 1.5 MMCFPD. Rate dropped off to 177 MCFPD with 700 psi on casing. Continued to unload with weak blow of gas. Rec. 4182 BLF to date. Well making approx. 5 bbls. condensate/day. Flowing well and unloading frac fluid.

7-31-78: CP 1350 psi. TP 49 psi. Very weak blow from tubing. CP built up from 1350 to 2130 psi in 16 hrs. Dropped soap sticks in well. Waited and then opened tubing to pit. Well would not unload. Tied casing and tubing together. Tried to rock tubing with casing pressure. CP built up to 2250 psi. Water came to surface and well began to flow. Put flow thru separator. Avg. gas rate for last 3 hrs. of flowing was between 330 and 410 MCFPD. Left well flowing thru 12/64" choke at 410 MCFPD with 1800 psi on casing.

TD 9170'. 8-1-78: Flowed well for 24 hrs. Well choke began to freeze off. Flow rate dropped to 60-90 MCFPD overnight. CP built up from 1800 psi to 2480 psi. TP varied between 800 psi and 900 psi. Opened choke to 3/4" at 8:00 a.m. Established good flow rate at 650 MCF with CP 2180 psi and TP at 650 psi. Gradually closec choke setting to 14/64". By 4 p.m. flow rate leveled off at 410 MCF with TP at 210 psi and CP at 980 psi. 2010 BL to recover.

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TD 9170'. 8-2-78: Flowed well for 9 hrs. with a rate of 380 MCFPD to 205 MCFPD. Acg. CP 860 psi, avg. TP 149 psi. Rate began to drop off. Unable to carry load fluid from well. Tied in casing and tubing. Built up TP with 1470 psi CP. Closed in casing. Opened tubing to flow. Unable to blow off well. Left open to tank. Building up CP. Rec. 43 BLF in last 24 hrs. 1970 BLF to recover.

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TD 9170'. 8-3-78: Well would not flow for 18 hrs. CP built up from 1740 psi to 2400 psi. TP remained the same as separator pressure = 50 psi. Well began to make small amt. of load water with 30 MCF of gas. Opened casing thru meter run at the same time tubing was opened thru run. Established a rate thru meter run thru 20/64" choke of 400 MCFPD. Closed casing and tubing began to unload. Rate remained at 400 MCFPD with casing at 1780 psi and tubing at 1400 psi. Flowed at 400/300 MCF for 3½ hrs. Rate dropped to 200 MCF and CP dropped to 1080 psi with TP at 100 psi. Opened tubing wide open to pit. Rate dropped from 200 MCF to 60 MCF. CP 1200 psi, TP 0. Dropped soap sticks. Well dying to weak blow. Set choke at 12/64". Made 12 BLW.

Pumped 11,000 gal. frac fluid with 2.0 ppg sand at 371. B/M and 4600#. Dropped off on rate and increased on pressure. Stopped sand and pumped 3000 gal. pad at 13.1 B/M and 4600#. Pumped 10,000 gal. frac fluid with 0.5 ppg sand at 12.9 B/M and 4600#. Pumped 10,000 gal. frac fluid with 1.0 ppg sand at 13.5 B/M and 4500#. Pumped 10,000 gal. frac fluid with 1.5 ppg sand at 14.7 B/M and 4500#. Pumped 25,000 gal. frac fluid with 1.75 ppg sand at 15.3 B/M and 4600#. Pumped 5000 gal. frac fluid with 2.0 ppg sand at 15.9 B/M and 4600#. Rate dropped off so concentration was lowered to 1.75 ppg. Pumped 5000 gal. frac fluid with 1.75 ppg at 16.6 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.0 ppg sand at 15.9 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.25 ppg sand at 16.7 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.50 ppg sand at 15.8 B/M and 4500#. Flushed with 7940 gal. frac fluid at 12.5 B/M and 4500#. ISIP 3600 psi; 5 min. SIP 3030 psi; 10 min. SIP 2880 psi; 15 min. SIP 2870 psi. Avg. treat. press. 4500 psi; avg. rate 21.0 B/M; max. treat. press. 4600 psi; max. rate 45 B/M. SDON.

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TD 9170'. 7-25-78: Well SI for 14 hrs. overnight. TP 2300 psi, CP 2200 psi. Hooked up adjustable choke and ½" flow nipple. Opened well slowly to tank at 10:00 a.m. 7-25-78. Well flowed back 46 BLF in 1 hr. with 1500 psi on tubing and 2200 psi on casing. Flow rates during next 4 hrs. are as follows:

<u>Time</u>	<u>BTF</u>	<u>TP</u>	<u>CP</u>
12:00 noon	240	200	1900
1:00 p.m.	422	200	1800
2:00 p.m.	597	200	1750
3:00 p.m.	730	200	1690

Continued flowing well to tanks. Measuring liquids and pressures overnight. Flowing well.

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TD 9170'. 7-26-78: Flowed well to tank overnight. TP 250#, CP 850#. Made 1777 BLF from 4:00 p.m. on 7-25-78 to 8:00 a.m. 7-26-78. Making good show of gas while lifting load water. Hooked well up to test separator. Testing well thru separator and fluid to tank. Measured gas from 2:00 p.m. to 5:00 p.m. Made an avg. of 500 MCF/GPD and 50 BLW/hr. Appears the well has not stabilized yet. TP 150#, CP 1000#. Made a total of 2851 BLF. 3173 BLF to recover. Flow testing well.

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TD 9170'. 7-27-78: Well unloading in heads. TP is same as separator pressure of 50 psi. CP for first 16 hrs. remained at 1000 psi. Rate on gas first 16 hrs. varied from 430 MCF/GPD to 610 MCF/GPD. Well began to load up with liquids and flowing rate dropped to 120 MCF/GPD. At 2:00 p.m. 7-27-78, CP built up to 1600 psi. Then tubing began to unload frac fluid. Made 624 bbls. frac fluid in 24 hrs. Flowing rate increased to 540 MCF/GPD. Well will gradually load with liquids until CP builds up and unloads well fluids. Flow testing well.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

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TD 9170'. 7-21-78: Killed tubing with brine water. Released packer. Had trouble pulling packer. Pulled tubing out of hole. Laid down in singles. Laid down packer. Closed blind rams. SDON.

7-22-78: Blew down well. Loaded hole. Tallied, picked up, and singled in 249 jts. 1.90" O.D., EUE, N-80 tubing. Landed at 8324' KB. Open ended 5' - 2 3/8" blast sub coated with carbide on top. Hooked up wellhead. Rigged down well servicing unit. Halliburton needed room for frac equipment. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-24-78: Hooked up Halliburton. Tested lines. Reversed out brine water with pad. All pad fluid contained 40#/1000 gal. WG-12 refined guar, 30#/1000 gal. Adomite Aqua, 1 gal./1000 gal. Tri-S surfactant and 2% KCl water. All frac sand was 20-40. Pumped down annulus and tubing at same time. Pumped at 23 B/M at 4300 psi. Shut down. Ordered out 2000 gal. of 15% HCl acid. Spotted acid down tubing and up annulus to 7600', then closed casing in and pumped down tubing. Pumped acid at 3 B/M and 1500#. Pressure increased to 3100 psi when acid displaced. Started pumping pad again. Pumped 14,000 gal. frac fluid pad at 37.3 B/M and 4500#. Pumped 30,000 gal. frac fluid with 0.5 ppg sand at 39.3 B/M and 4400#. Pumped 30,000 gal. frac fluid with 1.0 ppg sand at 40.7 B/M and 4400#. Pumped 30,000 gal. frac fluid with 1.5 ppg sand at 37.2 B/M and 4500#. Pump rate went to 45 B/M, then dropped to 37.2 B/M. Pumped 11,000 gal. frac fluid with 2.0 ppg sand at 37.1 B/M and 4600#. Dropped off on rate and increased on pressure. Stopped sand and pumped 3000 gal. pad at 13.1 B/M and 4600#. Pumped 10,000 gal. frac fluid with 0.5 ppg sand at 12.9 B/M and 4600#. Pumped 10,000 gal. frac fluid with 1.0 ppg sand at 13.5 B/M and 4500#. Pumped 10,000 gal. frac fluid with 1.5 ppg sand at 14.7 B/M and 4500#. Pumped 25,000 gal. frac fluid with 1.75 ppg sand at 15.3 B/M and 4600#. Pumped 5000 gal. frac fluid with 2.0 ppg sand at 15.9 B/M and 4600#. Rate dropped off so concentration was lowered to 1.75 ppg. Pumped 5000 gal. frac fluid with 1.75 ppg at 16.6 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.0 ppg sand at 15.9 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.25 ppg sand at 16.7 B/M and 4500#. Pumped 15,000 gal. frac fluid with 2.50 ppg sand at 15.8 B/M and 4500#. Flushed with 7940 gal. frac fluid at 12.5 B/M and 4500#. ISIP 3600 psi; 5 min. SIP 3030 psi; 10 min. SIP 2880 psi; 15 min. SIP 2870 psi. Avg. treat. press. 4500 psi; avg. rate 21.0 B/M; max. treat. press. 4600 psi; max. rate 45 B/M. SDON.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

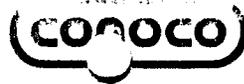
15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-19-78: Press. at 7:30 a.m. 1150 psig. Opened well to pit. Bled down pressure. Tallied in 253 jts. 2 7/8" tubing. Set RTTS packer at 7758' KB. Well started kicking on last stand of tubing. Opened well to tank at 11:10 a.m.

11:40 a.m. Made swab run from 2000'.  
12:10 p.m. Measured 17.8 BW in tank.  
1:10 p.m. Measured 19.6 BW in tank. (Total = 37.4 BW)  
1:25 p.m. Made Swab run from 2500'.  
1:40 p.m. Made swab run from 3500'. Well still blowing gas and no water.  
2:00 p.m. Made swab run from 4400'.  
2:10 a.m. Measured 37.6 BW in tank.  
2:20 p.m. Ran swab from 7000'. Still blowing gas.  
3:02 p.m. Made swab run from 7700'.  
3:15 p.m. Measured 42.5 BW in tank.  
4:00 p.m. Made swab run from seating nipple.  
4:10 p.m. Measured 44.3 BW. Well blowing gas. Tubing volume = 45 BF.  
Well blowing gas all the time with no fluid coming in.  
5:00 Measured gas with critical flow prover. Measured 152 MCFPD gas rate.  
5:20 p.m. Made swab run from seating nipple. Rec. 10 gal. water.  
5:30 p.m. Measured gas rate stabilized at 145 MCFPD rate with no water.  
Left open to tank.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-20-78: Well flowing to tank overnight. Made 14.2 BW for a cum. of 58.5 BW. Flowing with heavy mist. Est. 7-8 BWP. Gas rate 126 MCFPD. Ran swab to seating nipple. Pulled 5.3 BW. Swab run indicated water slugs throughout entire length of tubing. Not loading up. Gas measurement after last run: 10 min. - 175 MCFPD; 20 min. - 170 MCFPD; 30 min. - 165 MCFPD. Calculated volume to bottom perforation was 63 BF. Total recovery by 12:00 noon was 64 BW. Flowing well. Tests continued throughout afternoon. Gas rate was 155 MCFPD. Ran swab at 3:00 p.m. Rec. 300' gas cut water. Left flowing to tank overnight.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-14-78: At 8 a.m. TP 600#; CP 1100#. Rigged up swab. Shot liquid level on casing. Level at 1200'. Swabbed 40 BW in 3 hrs. Hauled in brine water. Loaded flat tank. Tried to kill casing with 24 bbls. brine water. Well flowed back 22 BW. Installed stripper head. Tallied, picked up, and ran 7 joints 2 7/8" tubing. Ran packer to 8820'. Closed rams. Installed valve on tubing. SDON. 7-15-78: At 8:00 a.m. TP 500#; CP 1250#. Rigged up to swab. Started swabbing at 8:20 a.m. Lowered level in tubing to 4600' in 8 swab runs. Made 25 BW in 2 hrs. 20 min. Continued to swab. Lowered level in tubing to 5500'. Casing built up to 1460 psig. Level in annulus at 3600'. Swabbed well for 5 hrs. Pulled swab from 7700' with level at 7000'. Level in annulus at 3720'. Continued to swab well until 4:30 p.m. Level in tubing at 7400'. Pulled swab from 8300'. Liquid level in annulus at 3782' with 1570 psig on casing. Swabbed a total of 72.5 BW in 8 hrs. Swabbing rate of 2.6 BW per hour for last 4 hrs. of swabbing. Chlorides count on water - 14,781 ppm. Very little gas show. Shut well in. SDON. 7-16-78: Shutdown for Sunday.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-17-78: At 8 a.m. TP 2100 psig, CP 1500 psig. Opened tubing to pit. Pressure bled off immediately. Ran in with swab. Found FL at 2500'. Made 5 runs with swab at 45 min./run. Rec. 5 BW per run of swab. Rate 180 BWPD. Bled pressure off casing. Released packer. Killed well with brine. Rigged up tubing tools. Pulled tubing. Would get periodic kicks from casing. One time had to shut down pulling tubing and circulate hole. Pulled all but 40 stands of tubing. Closed rams. Installed tubing valve. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-18-78: Blew down tubing and casing pressure. Pulled remainder of tubing. Well attempted to flow and kick while pulling tubing. Closed rams on BOP. Left packer rubber in hole. Laid down packer. Rigged up Schlumberger. Picked up and ran 5 1/2" Model "N" cast iron bridge plug. Set at 8620' KB. Ran bailer and set one sack cement plug on top of bridge plug. Rigged down Schlumberger. Well kicking while running bailer. Picked up 5 1/2" RTTS Halliburton packer and ran in hole with one stand of tubing. Well began to unload very hard. Pumped in brine water. Well continued to unload. Closed in rams and tubing. SDON.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-7-78: Set packer at 7718', seating nipple at 7680'. Had one joint of tubing for tail pipe. Bottom of tubing at 7749'. Rigged up swab. Made 4 runs with swab. Swabbed to 2400'. Blew well down. Acidized well as follows: Rigged up Halliburton. Pressured annulus to 2000#. Pressure tested all lines to 6000 psig. Pumped in 8800 gal. 15% HCl acid. All acid had one 7/8" RCN ball per barrel of acid. Pumped in at 7 BPM, 3800 psig. Did not achieve complete ball off. Max. pressure at end of acid was 3 BPM and 4500 psig. Displaced acid to perforations with 75 barrels of salt water at 3 BPM, 4500 psig. ISI = 2700#, 5 min. 2500#, 10 min. 2400#. Closed well in for 45 min. Opened well to pit at 5:45 p.m. 7-7-78. Opened choke to 48/64" choke. Well flowing to pit at 550 psig on tubing. Waited one hour. Opened choke full. Pressure on tubing raised to 740 psig. Left well flowing to pit overnight.

7-8-78: Tubing pressure at 8 a.m. was 360#. Well unloading load fluid to pit in heads. Well just flows acid water between heads. Unloading well to pit.

7-9-78: Tubing pressure at 8 a.m. 225#. Well unloading load fluid to pit in heads. Gas carrying fluid out in heads. Flowing well to pit.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-10-78: TP 100# at 8 a.m. Well flowing in heads. TP 100# at 10:30 a.m. Hooked up wellhead to small separator. Separator too small to handle fluid heads. Measured water. Well producing 192 BWPD. Unable to measure gas. Separation equipment too small to strip liquids from gas. Changing out separator. Left flowing to pit overnight.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-11-78: TP 60# at 8 a.m. Changed out small separator and hooked up 30" x 10' vertical separator. Tied in wellhead. Well test indicated low rate of 155 MCF, high rate of 209 MCF, and average rate 180 MCF. Fluid rate 11.5 BWPH. Hauled in salt water. Dumped in flat tank. Flow testing well overnight.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 7-12-78: Tubing pressure at 8 a.m. - 60 psig. Flowed to test tank for 17 hours. Measured 182 BF, for an average of 10.7 BFPH. Gas rate 180 MCFPD. Resistivity .2 at 90° F. Chlorides = 16,438 ppm. Filled casing with salt water. Rigged up pump truck. Killed tubing with 80 barrels of salt water. Removed head. Installed BOP. Unseated the RTTS packer. Tallied and singled in 30 joints of tubing and run packer to 8605'. Set packer. Closed BOP. Installed valve on tubing. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000

TD 9170'. 7-13-78: TP at 8:00 a.m. - 900 psig. CP - 1000 psig. Opened tubing. Blewdown pressure. Rigged up swab. Run in and found fluid level at 1800' from surface. Made 16 runs with swab in 4 hours. On 17th run, threw kink in swab line at 3100'. Pulled swab. Found one ball sealer in cups. Pulling swab from 6700'. Water analysis shows 80% of load fluid recovered. Recovered 80 bbls. of total fluid.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-22-78: Picked up 4 3/4" Hughes workover bit. Tallied and singled in 2 7/8" tubing. Tagged at 4560'; 62' of cement to drill out on first stage. Rigged up power swivel. Cleaned out to 4662', top of DV collar. Circ. hole clean. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD9170'. 6-23-78: Rigged up to drill. Drilling on DV tool. Engine blew up on unit at 10:00 a.m. Shut down to repair engine. Found cracked head and split cylinder sheave. Circ. hole clean.

6-24-78: Shut down. Repairing engine.

6-25-78: Removed and replaced engine. Ready to work on Mon. morning.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-26-78: Replaced rig engine. Hooked up circ. equipment. Broke circulation. Drilled first DV tool. Pressured up on casing to 4000# for 15 min. Held okay. Released pressure. Tallied and singled in 2 7/8" tubing to second DV tool at 6992'. Mtn. Fuel completed flow line to their system. Mtn. Fuel hauled in production unit and dehydrators. Equipment not hooked up yet. Hauled in 29 frac tanks. Filled 25 frac tanks.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-27-78: Shut down until 10:30 a.m. to repair air compressor. Found plug at 6962', 30' above tool. Broke circulation. Took 2000 psig to break circulation because of heavy mud. Reversed mud to pit. Filled tank with clean water. Drilling on plug. Appears to be rubber from top DV tool. Bit would torque up. Pulled bit off bottom and lowered to drill. Repeated several times to keep bit from sticking. Circ. hole clean. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-28-78: Drilled up remainder of 1st D.V. tool and cement. Drilled 4' and drilled up 2nd D.V. tool at 6962'. Lowered tubing 1 joint. Closed rams on BOP. Pressured casing to 4000 psig. Lost 700# in 10 min. 2nd D.V. tool leaking. Tallied and singled in 2 7/8" tubing to 8929'. Cement soft at 201' above float. Circulated hole clean. Recovered heavy mud from bottom. Drilled to 8997'. Drilling hard cement. Circulated hole clean. SDON.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 6-29-78: Hooked up drilling equipment. Drilled remainder of plug and cement to 9140' RB. Pulled tubing and bit. Laid down bit. Picked up 5 1/2" scraper. Ran in hole with tubing. Ran scraper to bottom. Dumped and cleaned drilling tank. Filled tank with clean water. Circulated hole and reversed out from bottom. Pulled tubing up 1 joint. SDON.



Alex M. Yarsa  
 Division Manager  
 Production Department

Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311



Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
 Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-11-78: Drilled cement and plug from 6742' to 6938'. Circ. hole clean. Closed BOP. Press. tested to 5000#. Dropped 50# in 10 min. Singled in and tallied tubing to 9980'. Tagged cement. Circ. mud from bottom. SDON.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
 Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-12-78: Drilled out to 10,094'. Circ. hole clean. Displaced hole with brine water. Laid down 3 jts. tubing. Pulling tubing.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
 Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-13-78: Pulled remainder of tubing. Laid down bit. Rigged up loggers and logged from 10,094' to 3500'. Ran GR-CBL-VDL. Rigged down loggers. Shut well in.

10-14-78 and 10-15-78: Shut down for weekend.

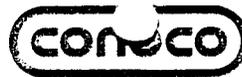
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Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
 Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-16-78: Singled down 62 jts. 2 7/8" tubing. Rigged up perforators and perforated Mesaverde with 19-gram DP jets at the following intervals:

<u>Zone #1</u>	<u>Zone #2</u>	<u>Zone #3</u>	<u>Zone #4</u>	<u>Zone #5</u>	<u>Zone #6</u>	<u>Zone #7</u>
8188' KB	8421' KB	8519' KB	8583' KB	9117' KB	9206' KB	9913' KB
8188.5'	8421.5'	8519.5'	8583.5'	9117.5'	9207'	9914'
8189'	8422'	8520'	8584'	9118'	9208'	9915'
8189.5'	8422.5'	8520.5'	8584.5'	9118.5'	9216'	9916'
8190'	8423'	8529'	8596'	9132'	9217'	9917'
8190.5'	8423.5'	8529.5'	8596.5'	9132.5	9218'	9918'
8191'	8424'	8530'	8597'	9133'	9219'	9919'
8191.5'	8424.5'	8530.5'	8597.5'	9133.5'	9220'	9920'
						9921'
						9922'
						9923'

Total of 59 holes. Rigged down perforators. Picked up 5 1/2" Baker packer and ran in hole with 30 stands tubing. SDON.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-17-78: Pressure on wellhead 100#. Bled off pressure. Completed running 2 7/8" tubing with packer. Ran a total of 264 jts. Landed packer at 8109'. Loaded annulus and pressured to 2000#. Spotted 15% HCl acid to 7000' and closed ports on packer. Broke down Mesaverde with 174 bbls. 15% HCl, dropping rubber ball sealers during breakdown. BDP 2900 to 2250#. Inj. rate 8 B/M. Had ball-off at 5000# with good balling action. Displaced acid to bottom perms with 88 bbls. 2% KCl water. ISIP 3000#. Laid flow line to pit. Rigged down Dowell. Opened tubing. Well started to flow back at 9 B/M. In 2 hrs. had a small spray of fluid. In 3 hrs. had gas with spray of fluid. In 5 hrs. flowing gas to pit. Rec. 262 BLF. All load recovered. Flowing well to pit.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-18-78: At 8:00 a.m. well flowing 150 MCF with 6-8 BLW/H. 10:00 a.m. rate dropped to 100 MCF. 11:00 a.m.: Picked up swab and ran to 8100'. Flowed 200 MCF for 1 hr., then began to drop off. From 3:00 p.m. to 6:00 p.m. pulled swab once each half hr. from 8100'. Picking up 300' fluid per run. Making 100-150 MCF with 4 BW/H. Left flowing to pit.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-19-78: 8:00 a.m. Flowing in heads. Made two runs with swab from 8100'. Rec. 25 BLW. Well began to flow steadily. Ran swab at 30-min. intervals for 3 hrs. Rec. .2 BLW/run. Gas rate was between 127 and 142 MCF. Last 5 hrs. measured rate was 131 MCF. Made 32 BLW.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

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Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-24-78: Installed choke. Laid line to flat tank. Opened well to tank at rate of 20 B/H. Flowed 228 BLW in 10 hrs. No sand or gas shows. 7414 BL to recover.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-25-78: Flowing well to frac tanks. Flowing at 30 BWP. Wellhead press. 1900#. Made 562 BLW. Total recovered = 790 bbls. 6852 BL to recover. Flowing well with no sand or gas shows.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-26-78: Flowed frac fluid to tanks at 40 B/H. Wellhead press. 1700-1800#. Changed flowing rate to 50 B/H at 2 p.m. Wellhead press. at 5 p.m. 1300#. Cum. LW recovered = 1742 bbls. 5900 BLW to recover. No show of gas or sand in frac fluid.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-27-78: Flowing well to test tanks. Dropped wellhead press. to 470#. Well beginning to make small amt. of gas. Cum. load = 3300 bbls. 4412 bbls. to recover.

10-28-78: Wellhead press. at 7:30 a.m. 250#. Opened well up. Wellhead press. dropped to 100# in 3 hrs. Making strong gas shows. Cum. recovery 4290 bbls. 3350 BL to recover. Strong steady flow.

10-29-78: Wellhead press. 0#. Well flowing in heads in frac tanks. Gas rate at 150 MCF/D. Cum. recovery = 4800 bbls. 2350 BL to recover.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-30-78: Flowed well to frac tank. Well flowing in heads. Gas rate 150 MCF/D. Cum. recovered = 4980 bbls. 2670 bbls. to recover. Killed well with 2% KCl water. Released packer. Singled down 71 jts. 3½" tubing. SDON.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 10-31-78: Singled down 3½" tubing. Laid down packer. Moved in 2 1/16" O.D. tubing to rack. Tallied and singled in 175 jts. 2 1/16" tubing. SDON.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720' - Conoco 1.0000000  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 11-1-78: Finished running 2 1/16" O.D. tubing. Well tried to kick while running tubing. Tagged sand fillup at 9826'; 114' of fill. Hooked up circ. equipment. Cleaned out to 9920'. SDON.

Conoco Mountain Lion 34 #2 - Mesaverde - 10,720'  
Fed. Lse. 14-20-H62-3010 (AL) Location: NE SE Sec. 34, T8S, R21E

TD 10,227'. 11-2-78: Circ. hole to PBD 10,094'. Pulled and laid down 5 jts. tubing. Landed 305 jts. 2 1/16" N-80 IJ tubing open ended at 9932'. Flanged up wellhead. Laid line to pit. Flowing well to pit.



Alex M. Yarsa  
 Division Manager  
 Production Department

Continental Oil Company  
 152 North Durbin  
 Pacific Western Life Building  
 Casper, Wyoming 82601  
 (307) 234-7311

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12-11-78

FINALS ON COMPLETED DRILLING WELLS



CHAPITA WELLS FIELD

15 #2 - Wasatch - 9150' - Conoco 1.0000000

Location: 817' FEL, 656' FSL, Sec. 15, T9S, R23E, Uintah Co., Utah.  
 AFE No. 12-61-1224. API Well No. 43-047-30208. TD 9170'. Elevations:  
 GL 5074', 5088' KB, 14' RBM. Spudded 4-16-78. Rig released 6-8-78.  
 Completed in the Wasatch on 12-2-78. NEP 66'. Ran Dual-Laterolog,  
 CDN, Cal-Density, Sonic, Proximity, and GR-CDL-VDL logs. Tops as  
 follows:

First Limestone Marker	1312'
Green River Marl	1646'
Wasatch Formation	4622'
Transition Zone	6181'
Mesaverde Sand	6712'
Buck Tongue Member	8752'
Castlegate Member	8828'
Mancos Formation	9039'

Acidized and frac'd. well. Perf'd w/1 JSPF as follows:

7834	8346	8684	8920
7838	8348	8688	8928
7854	8350	8696	8949
7857	8352	8704	8954
7918	8432	8712	8973
7925	8434	8720	8977
7942	8436	8742	8989
7947	8438	8747	8994
8141	8472	8875	9027
8145	8476	8881	9030
8178	8480	8890	9033
8183	8484	8896	9036

Initial potential: Flowed 410 MCFPD w/88 BF in 24 hrs. on 12-2-78.  
 CP 430#, TP 40#. Allowable: Maximum. Gravity NR. Gas Contract  
 No. 4684. Purchaser: Mountain Fuel Supply. Initial delivery  
 date: Well shut-in. Casing record: 9 5/8" set at 770' and 5 1/2"  
 set at 9170'. 2 7/8" tubing set at 6654'. FINAL REPORT.



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

Chapita 15 #2 (Cont.)

8-12-78: Flowing well on 4-hr. cycles thru intermitter. 1511 bbls. to recover.

8-13-78: Flowing well on 4-hr. cycles thru intermitter. Rate = 60 BWP/D and 90 MCF/D gas. 1451 bbls. to recover.

8-14-78: Flowing well thru an intermitter on 4-hr. cycles. Flowing  $\frac{1}{2}$  hr. and SI  $3\frac{1}{2}$  hrs. Max. avg. SIP 1960 psi, min. avg. flowing press. 1690 psi. Avg. flow rate between 86 MCF and 90 MCF/D. Made 55 BLW. 1396 BLW to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-15-78: Flowed well by intermitter for 24 hrs. on 4-hr. cycle. Flowed  $\frac{1}{2}$  hr. with  $3\frac{1}{2}$  hr. SI. Flowing avg. max. press. 1550 psi, avg. SIP 1310 psi. Flowed 120 MCF/GPD with 45 BLW. Changed cycle to 3-hr. with 20 min. flow period. 1351 BL to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-16-78: Flowed thru an intermitter on 3-hr. cycles with 20 min. flow period. Avg. high max. 1360 psi, avg. low min. 1190 psi. Made 103 MCF/D with 44 BLW. 1307 BLW to recover. Set flow cycle to 25 min. at 4 p.m. during 3-hr. cycle.

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-17-78: Flowed well thru intermitter for 24 hrs. on 3-hr. cycle with well open for 25 min. Max. avg. SIP 1230 psi. Min. avg. FP 1030 psi. Well flowed 144 MCF/D and made 40 BLW. 1267 BL to recover. Changed time to 32 min. open on 3-hr. cycle.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-18-78: Flowed well to pit through intermitter on 3 hr. cycle with 32 min. on. Max. pressure on casing = 1070 psig; min. press. = 860 psig. Flowed 165 MCF/day with 40 BLW. Reset timer to open 40 min. 1227 BL to recover.

8-19-78: Flowed well through intermitter on 3 hr. cycle with 40 min. open. Max. casing press. = 990 psig; min. press. = 780 psig. Flowed 175 MCF/day with 40 BLW. 1187 BL to recover.

8-20-78: Flowed well through intermitter on 3 hr. cycle with 40 min. open. Max. casing press. = 950 psig; min. press. = 730 psig. Flowed 181 MCF/day with 40 BLW. Reset timer to stay open 50 min. on 3 hr. cycle. 1147 BL to recover. Set choke to 28/64".



Alex M. Yarsa  
Division Manager  
Production Department

Continental Oil Company  
152 North Durbin  
Pacific Western Life Building  
Casper, Wyoming 82601  
(307) 234-7311

Chapita 15 #2 (Cont.)

8-12-78: Flowing well on 4-hr. cycles thru intermitter. 1511 bbls. to recover.

8-13-78: Flowing well on 4-hr. cycles thru intermitter. Rate = 60 BWPD and 90 MCF/D gas. 1451 bbls. to recover.

8-14-78: Flowing well thru an intermitter on 4-hr. cycles. Flowing  $\frac{1}{2}$  hr. and SI  $3\frac{1}{2}$  hrs. Max. avg. SIP 1960 psi, min. avg. flowing press. 1690 psi. Avg. flow rate between 86 MCF and 90 MCF/D. Made 55 BLW. 1396 BLW to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-15-78: Flowed well by intermitter for 24 hrs. on 4-hr. cycle. Flowed  $\frac{1}{2}$  hr. with  $3\frac{1}{2}$  hr. SI. Flowing avg. max. press. 1550 psi, avg. SIP 1310 psi. Flowed 120 MCF/GPD with 45 BLW. Changed cycle to 3-hr. with 20 min. flow period. 1351 BL to recover.

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-16-78: Flowed thru an intermitter on 3-hr. cycles with 20 min. flow period. Avg. high max. 1360 psi, avg. low min. 1190 psi. Made 103 MCF/D with 44 BLW. 1307 BLW to recover. Set flow cycle to 25 min. at 4 p.m. during 3-hr. cycle.

CHAPITA WELLS FIELD - Uintah Co., Utah

15 #2 - Wasatch - 9150' - Conoco 1.0000000 - Location: SE SE Sec. 15, T9S, R23E

TD 9170'. 8-17-78: Flowed well thru intermitter for 24 hrs. on 3-hr. cycle with well open for 25 min. Max. avg. SIP 1230 psi. Min. avg. FP 1030 psi. Well flowed 144 MCF/D and made 40 BLW. 1267 BL to recover. Changed time to 32 min. open on 3-hr. cycle.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6

16

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
**Continental Oil Company**

3. ADDRESS OF OPERATOR  
**152 North Durbin, Casper, Wyoming 82601**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **817' FEL, 656' FSL (SE SE)**  
At top prod. interval reported below \_\_\_\_\_  
At total depth \_\_\_\_\_

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.

**U-01301**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Chapita Federal 15**

9. WELL NO.

**2**

10. FIELD AND POOL, OR WILDCAT

**Chapita Federal-Wasatch**

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

**Sec 15, T9S, R23E**

12. COUNTY OR PARISH

**Uintah**

13. STATE

**Utah**

15. DATE SPUNDED **4/16/78** 16. DATE T.D. REACHED **6/5/78** 17. DATE COMPL. (Ready to prod.) **12/2/78** 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* **5074' GL** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **9170'** 21. PLUG, BACK T.D., MD & TVD **8620'** 22. IF MULTIPLE COMPL., HOW MANY\* **2** 23. INTERVALS DRILLED BY **ROTARY TOOLS A11** CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Wasatch 5522-6535' Mesaverde 7834-8620'** 25. WAS DIRECTIONAL SURVEY MADE **Yes**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**DIFL, DLL, Proximity Log-Minilog, DEN-GR-CAL, CDL-CNL, Epilog, CBL** 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
13 3/8"	54.5#	60'	17 1/2"	75 sacks Class "G"	
9 5/8"	36#	2496'	12 1/4"	250 sacks "Thick Set"	
				525 sacks Class "G"	
5 1/2"	17#, 15.5#	9170'	7 7/8"	2445 sacks Class "G"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD
					SIZE: <b>1.9"</b> DEPTH SET (MD): <b>6563'</b> PACKER SET (MD): _____

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
7834-9036'	.45"	48 JS	DEPTH INTERVAL (MD)   AMOUNT AND KIND OF MATERIAL USED 7834-9036'   8800 Gal 15% HCl, 75 Bbl salt wtr. 7834-8620'   See attachment #1a 5522-6535'   See attachment #1b
5522-6535'	.45"	36 JS	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
<b>10-11-78</b>	<b>Flowing</b>	<b>Temporary Shut In</b>					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
<b>12/2/78</b>	<b>24</b>	<b>18/64"</b>	→	---	<b>410</b>	<b>88</b>	---
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
<b>40#</b>	<b>430#</b>	→	---	---	---	---	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Homer Smith**

35. LIST OF ATTACHMENTS  
**Attachment 1a) Frac Interval 7834-8620' 1b) Frac Interval 5522-6535'**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
SIGNED T.C. Thompson TITLE Administrative Supervisor DATE Febr. 12, 1979

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



Attachment No. 1a

Fractured Interval 7834-8620'

Frac fluid contained 40#/1000 Gal. WG-12 refined Guar,  
30#/1000 Gal. Adomite Aqua, 1 Gal./1000 Gal. TR1-S  
Surfactant, 2% KCl Water - TOTAL: 205,940 Gallons

All Frac sand was 20-40 - TOTAL: 290,750 Pounds

Plus 2000 Gal. 15% HCl Acid

Attachment No. 1b

Fractured Interval 5522-6535'

Frac fluid contained 40#/1000 Gal. J-33, 25#/1000 Gal.  
Adomite Aqua, 1 Gal./1000 Gal. F-78 Surfactant, 2%  
KCl Water - TOTAL: 129,150 Gallons.

All Frac sand was 20-40 - TOTAL: 171,000 Pounds



17. Cont'd

All plugs will be Class "G" Cement; and 11.0 ppg drilling mud between all plugs and the CIBP set at 6700'. A regulation dry hole marker will be set. No casing will be pulled. All surface restoration will be in accordance with NTL-6 regulations. A subsequent report will follow. Your office will be notified for final inspection of surface restoration.

**RECEIVED**  
MAY 5 1980

DIVISION OF  
OIL, GAS & MINING



DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Continental Oil Company (Dave Lindroos 307-234-7311 ex 271)

WELL NAME: Chapita Federal #15-2

SECTION 15 SE SE TOWNSHIP 9S RANGE 23E COUNTY Uintah

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 9170'

CASING PROGRAM:

13 3/8" @ 60'  
9 5/8" @ 2496'  
5 1/2" @ 9170'

FORMATION TOPS:

L.S. Marker	1312'
Green River	1646'
Wasatch	4622'
Transition	6181'
Mesaverde	6712'
Buck Tongue	8752'
Castlegate	8828'
Mancos	9039'

PLUGS SET AS FOLLOWS:

Presently in place: CIBP @ 8620' with 2 sx cement on top; CIBP @ 6700' with 2 sx cement on top

#1 Remove CIPT @ 6700' and place cement plug from top of CIBP @ 8620 - 7750'

#2 6600' - 5450'

#3 4700' - 4550'

#4 2550' - 2350'

#5 80' to surface

10# mud between plugs, clean and restore site, erect regulation dryhole marker

DATE May 15, 1980

SIGNED \_\_\_\_\_

Original Signed By M. T. Minder

cc: USGS

June 17, 1980

Conoco Inc.  
907 Rancho Road  
Casper, Wyoming 82601

Re: Well No. Chapita Federal #15-2  
Sec. 15, T. 9S, R. 23E.  
Uintah County, Utah

Gentlemen:

Our records indicate that you have not filed a Subsequent Report of Abandonment for the above subject well.

Rule D-2, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed within (30) days after the plugging of any well.

In order that we may keep our records accurate and complete, please complete the enclosed Form OGC-1B, and forward it to this office as soon as possible.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, & MINING



JANICE TABISH  
CLERK-TYPIST



Production Department  
Casper Division

Conoco Inc.  
907 Rancho Road  
Casper, WY 82601  
(307) 234-7311

June 30, 1980

Utah Oil and Gas Conservation Commission  
1588 West North Temple  
Salt Lake City, Utah 84116

Attention: Janice Tabish

Gentlemen:

Plug and Abandon  
Chapita Federal 15 No. 2  
Uintah County, Utah  
File: PC-410-CF

RECEIVED  
JUL 07 1980

DIVISION OF  
OIL, GAS & MINING

Please refer to your letter dated June 17, 1980. Chapita Federal 15 No. 2 (817' FEL, 656' FSL (SE SE) Section 15, T9S, R23E) has not been plugged. Mr. Mike Minder of your office disapproved our application (copy attached) for abandonment. This well is currently under engineering evaluation and a new notice of intent will be forwarded upon completion of this evaluation.

Please contact this office if further information is required.

Very truly yours,

T. C. Thompson  
Administrative Supervisor

kc



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

June 21, 1982

Conoco, Incorporated  
907 Rancho Road  
Casper, Wyoming 82601

Re: Well No. Chapita Federal #15-2  
Sec. 15, T. 9S, R. 23E.  
Uintah County, Utah

Gentlemen:

In reference to the above referred to well, it is currently shown in our files that Continental Oil Company is the operator; however, we have received some reports from Conoco, Inc.. If Conoco, Inc. is the current operator, we must have an operator name change stating this on a Sundry Notice, Form OGC-1B, enclosed.

Also, this well at one time was to be plugged. Has this been done or is the well still under the status of a Shut In Gas Well?

Your prompt attention to the above will be greatly appreciated.

Thank You,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse  
Clerk Typist

UNITED STATES  
DEPARTMENT OF INTERIOR  
GEOLOGICAL SURVEY

FORM 9-329 REV. FEB 76  
OMB 42-R0356  
MONTHLY REPORT  
OF

*Chapita*

LEASE NO. 42-001301  
FIELD NAME CHAPITA WELLS UNIT  
COMMUNITIZATION AGREEMENT NO.  
UNIT NAME  
PARTICIPATING AREA  
COUNTY Uintah STATE UTAH  
OPERATOR CONOCO INC.  
CONOCO CHAPITA FED  
0 AMENDED REPORT

NA  
NA  
NA

OPERATIONS

THE FOLLOWING IS A CORRECT REPORT OF OPERATIONS AND PRODUCTION (INCLUDING STATUS OF ALL UNPLUGGED WELLS) FOR THE MONTH OF SEPTEMBER 1981

THIS REPORT IS REQUIRED BY LAW (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396D), REGULATION (30 CFR 221.60) AND THE TERM OF THE LEASE. FAILURE TO REPORT CAN RESULT IN THE ASSESSMENT OF LIQUIDATION DAMAGES (30 CFR 221.54 (J)), SHUTTING DOWN OPERATIONS, OR BASIS FOR RECOMMENDATION TO CANCEL THE LEASE & FORFEIT THE BOND (30 CFR 221.53).

WELL NO	SEC & OTR	TWP	RNG	WELL STATUS	DAYS PROD	BARRELS OF OIL	MCF OF GAS	BARRELS OF WATER	REMARKS
2	SE SE	15	9S 23E	GSI	0	0	0	0	

WASATCH  
15-2

\*IF NONE, SO STATE.

DISPOSITION OF PRODUCTION (LEASE, PARTICIPATING AREA, OR COMMUNITIZED AREA BASIS)

OIL & CONDENSATE (BBLs)      GAS (MCF)      WATER (BBLs)

*ON HAND, START OF MONTH	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*PRODUCED	0	0	0
*SOLD	0	0	XXXXXXXXXXXXXXXXXX
*SPILLED OR LOST	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*FLARED OR VENTED	XXXXXXXXXXXXXXXXXX	0	XXXXXXXXXXXXXXXXXX
*USED ON LEASE	0	0	XXXXXXXXXXXXXXXXXX
*INJECTED	0	0	0
*SURFACE PITS	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	0
*OTHER (IDENTIFY)	0	0	0
*ON HAND, END OF MONTH	0	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API GRAVITY/BTU CONTENT	24.2	0000	XXXXXXXXXXXXXXXXXX

AUTHORIZED SIGNATURE:  
TITLE:

ADDRESS: 907 RANCHO ROAD  
CASPER WYOM 82601

THE STATE OF UTAH  
DIVISION OF OIL AND GAS CONSERVATION

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Chapita Federal

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

Sec. 15, T9S, R23E

12. COUNTY OR PARISH 18. STATE

Uintah

Utah

**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  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Rd. Casper, Wyoming 82601

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

817' FEL, 656' FSL (SE/SE)

14. PERMIT NO.

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

5074' GR

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)

Operator Name Change

PULL 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.)\*

The correct operator name for Chapita Federal 15-1 is Conoco Inc., instead of the previously used Continental Oil Company. Also, as of this date, the subject well is still temporarily shut-in (GTS).

RECEIVED  
JUL 15 1982

DIVISION OF  
OIL, GAS & MINING

UOGCC(3) MMS(2) Well File PHH

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

SIGNED

*J. C. Thompson*

TITLE Administrative Supervisor

DATE July 9, 1982

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Road Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 656' FSL, 817' FEL (SE/SE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
Chapita Federal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 15, T9S, R23E

12. COUNTY OR PARISH 13. STATE  
Uintah | Utah

14. API NO.  
43-047-30298

15. ELEVATIONS (SHOW DF, KDS, AND WD)  
5,074' GR

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

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

(either)

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

(Previously submitted 4-30-1980)

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.)\*

Verbal approval to plug and abandon the subject well was given on October 6, 1982 by E. W. Guynn. The proposed plugging procedure is as follows (see attached Figure No. 1):

1. Spot a 132 sack plug across the Wasatch from 5,425' to 6,560'.
2. Spot a 6 sack plug across the DV tool from 4,650' to 4,700'.
3. Spot a 24 sack plug across the bottom of 9-5/8" casing from 2,300' to 2,500'.
4. Spot a 10 sack plug at the surface from 0' to 90'.

Note: All plugs will use Class "G" Cement.

All surface restoration will be in accordance with NTL-6 regulations. A regulation dry hole marker will be set. A subsequent report will follow and your office will be notified for final inspection of surface restoration.

Subsurface Safety Valve Brand and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED [Signature] TITLE Division Manager DATE October 13, 1982

(This space for Federal or State official use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY

MMS(3) UOGCC(2) Well File

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE 10/15/82  
BY: [Signature]

PLUG AND ABANDON  
CHAPITA FEDERAL 15 NO. 2

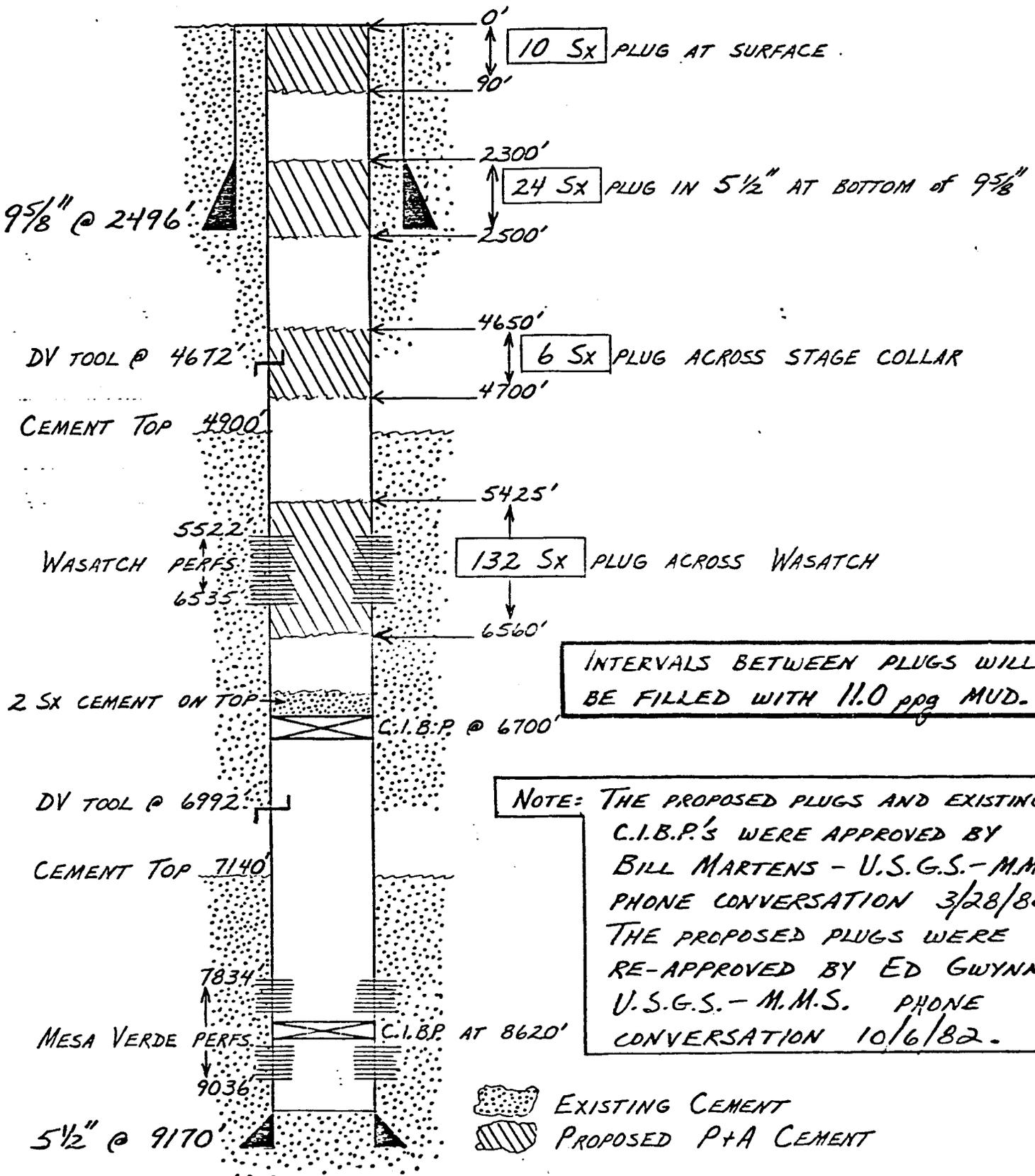


Figure No. 1

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Road, Casper, WY 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 656' FSL, 817' FEL (SE/SE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-01301

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.  
2

10. FIELD OR WILDCAT NAME  
Chapita Federal

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 15, T9S, R23E

12. COUNTY OR PARISH | 13. STATE  
| Uintah | Utah

14. API NO.  
43-047-30298

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' GR

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

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

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

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

Chapita Federal No. 2 was plugged and abandoned as follows:

1. Set a 132 sack plug from 6542' to 5407'.
2. Set a 10 sack plug from 4695' to 4610'.
3. Set a 24 sack plug from 2500' to 2300'.
4. Set a 10 sack plug from 103' to 0'.

Note: All plugs used Class "G" Cement.

Prior to the plugging procedure, 11 ppg drilling mud was pumped from 6542' KB to the surface. A regulation dry hole marker was set. Your office will be notified when surface restoration is complete and ready for inspection.

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 11/30/82  
BY: [Signature]

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED K. L. Vogel TITLE Admin. Supervisor DATE November 30, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

MMS, Salt Lake City(4) UOGCC(2) Well File

RECEIVED  
NOV 4 1983

Form 9-331  
Dec. 1973

Form Approved.  
Budget Bureau No. 42-R1424

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

DIVISION OF  
OIL, GAS & MINING

5. LEASE U-01301 ✓	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME	
9. WELL NO. 2	
10. FIELD OR WILDCAT NAME Chapita Federal	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T9S, R23E	
12. COUNTY OR PARISH Uintah	13. STATE Utah
14. API NO. 43-047-30298	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 5,074' GR	

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other \_\_\_\_\_

2. NAME OF OPERATOR  
Conoco Inc.

3. ADDRESS OF OPERATOR  
907 Rancho Road Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 656' FSL, 817' FEL (SE/SE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

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

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

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

As per your letter dated September 28, 1983, the following surface restoration on the subject abandoned location was completed on September 27, 1983:

1. Removed all trash and man-made debris.
2. Removed production facilities and gathering line.
3. Spread topsoil over the disturbed surfaces and reseeded.

The subject well was plugged and abandoned and a subsequent report of abandon was sent to your office on November 30, 1982.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED J. C. Johnson TITLE Adm. Supervisor DATE November 1, 1983

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

BLM, Salt Lake City(3) UOGCC(2) Well File(SJS)