

FILE NOTATIONS

Entered in NID File

Entered On S R Sheet _____

Location Map Pinned Card Indexed

I W R for State or Fee Land _____

Checked by Chief PMBCopy NID to Field Office

Approval Letter _____

Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 6-30-64

OW _____ WW _____ TA _____

GW _____ OS _____ PA

Location Inspected _____

Bond released _____

State of Fee Land _____

LOGS FILED

Driller's Log 7-31-64Electric Logs (No. 1 2)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
P. O. Box 3312, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface **1900' FSL, 747' FWL - SW/4**
 At proposed prod. zone **SE NW SW Wildcat**

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

16. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **747'**

16. NO. OF ACRES IN LEASE **1280**

17. NO. OF ACRES ASSIGNED TO THIS WELL **80**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **2560'**

19. PROPOSED DEPTH **6150'**

20. ROTARY OR CABLE TOOLS **Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.) **5201' GR**

22. APPROX. DATE WORK WILL START* **6-1-64**

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	300'	150 sacks regular
7 7/8"	5 1/2"	15.5#	6150'	350 sacks cement

We propose to drill this well with rotary tools to an approximate depth of 6150' to test the Desert Creek formation. Approximately 300' of 8 5/8" casing will be run and cemented to surface. If commercial production is encountered, a string of production casing will be run and cemented and the well completed.

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. ORIGINAL SIGNED BY:
 SIGNED **H. D. HALEY** TITLE **District Manager** DATE **5-15-64**

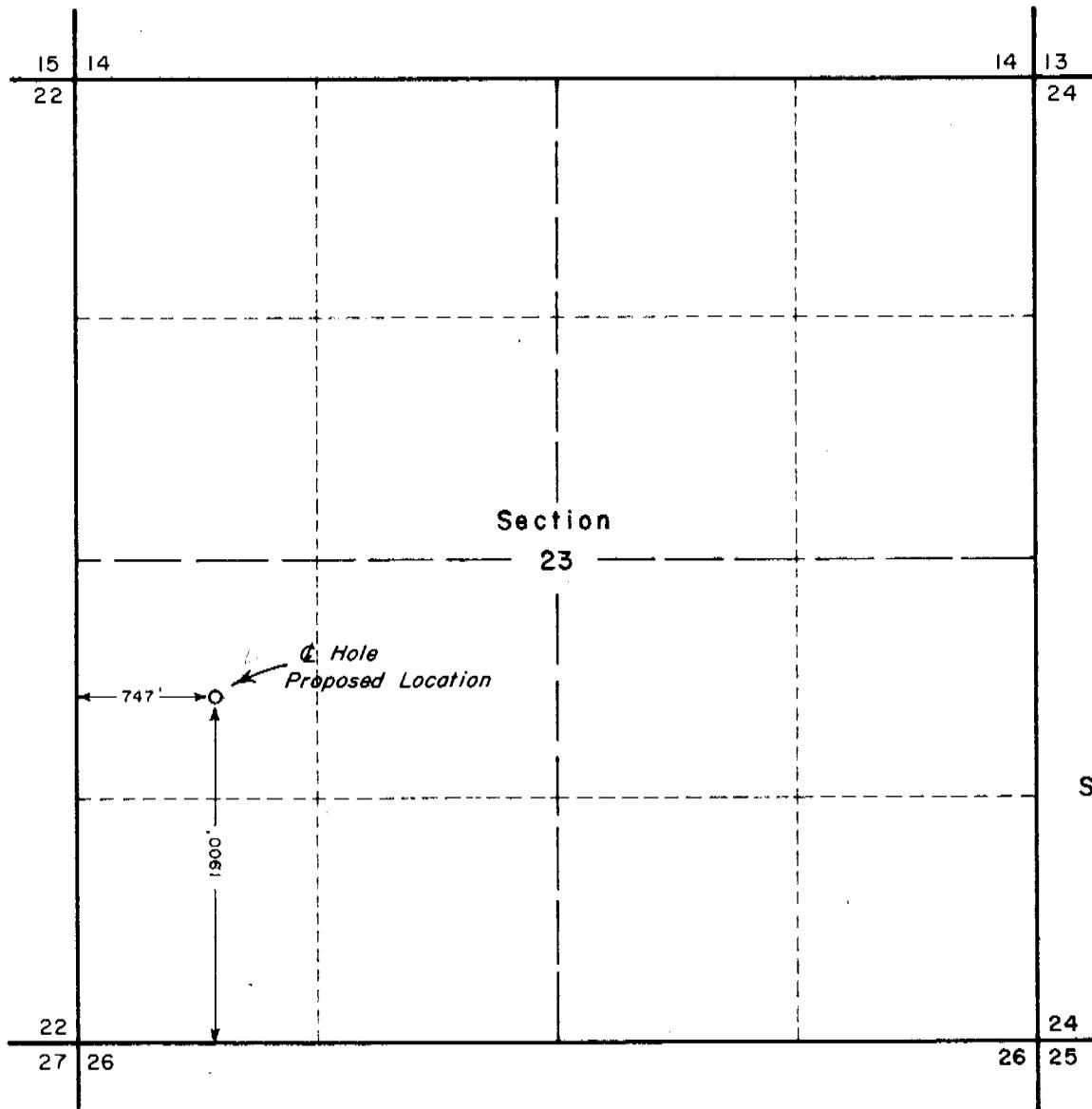
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

USGS(4) USOLCC(2) RM(2) FEW & WAM (Sinc.) DRB JRM HDM
 *See Instructions On Reverse Side



WELL LOCATION: Continental Oil Company - Cahone Mesa - Navajo # 13

Located 1900 feet North of the South line and 747 feet East of the West line of Section 23,
 Township 40 South, Range 25 East, Salt Lake Base & Meridian,
 San Juan Co., Utah
 Existing ground elevation determined at 5201 feet based on adjoining well locations.

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor
 State of Utah # 2689

CONTINENTAL OIL COMPANY
 Durango, Colorado

WELL LOCATION PLAT
 Sec. 23 - T.40 S. - R.25 E.
 San Juan Co., Utah

CLARK - REED & ASSOC.
 Durango, Colorado

DATE: May 11, 1964
 FILE NO: 64029

15

May 28, 1964

Continental Oil Company
P. O. Box 3312
Durango, Colorado

Attention: Mr. H. D. Haley, District Manager

Re: Notice of Intention to Drill Well No.
CAHONE MESA-NAVAJO #1S, 1900' FSL &
747' FWL, SE NW SW of Section 23, T.
40 S. R. 25 E., SLBM, San Juan County,
Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890
Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands.

Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:kgw

cc: H. L. Coonts, Pet. Eng., Oil & Gas Conservation Commission, Moab, Utah
P. T. McGrath, Dist. Eng., U. S. Geological Survey, Farmington, New Mexico

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.
14-20-603-2053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Cahone Mesa

9. WELL NO.
13

10. FIELD AND POOL, OR WILDCAT
Cahone Mesa Paradox

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T40S, R25E

12. COUNTY OR PARISH
San Juan

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
P. O. Box 3312 - Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1900' FBL, 747' FWL - SW/4

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5201' GR 5211' RB

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) _____	

(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 propose to run 300' of 9 5/8" surface casing in this well instead of the 8 5/8" casing specified in the Application to Drill dated 5-15-64.

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

SIGNED Original Signed By: H. D. HALEY TITLE District Manager DATE 6-10-64

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS(4) UO&CCC(2) RM(2) FEW & WAW(Sinclair) RDM

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.

14-20-603-2053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cahone Mesa

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Cahone Mesa Paradox

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

Sec. 23, T40S, R25E, S1M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3312, Durango, Colorado

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

1900' FSL, 747' FWL - SW/4

14. PERMIT NO.

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

5201' GR 5211' RB

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.)*

Spudded 6-10-64. Drilled 13 1/2" surface hole to 258'. Drilled 12 1/4" hole to 300'. Ran 10 joints 9 5/8" casing, landed at 300' and cemented with 250 sacks cement. Good returns. WOC. Drilling ahead in sand and shale at 4407' 6-18-64.

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

SIGNED

Original Signed by
H. D. HAN

District Manager

TITLE

DATE

6-18-64

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

USGS(3) USGOC(2) RM(2) FEW WAW HDM

*See Instructions on Reverse Side

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.

14-20-603-2053

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.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cahone Mesa

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Cahone Mesa Paradox

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

Sec. 23, T40S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

1. OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3312, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1900' FSL, 747' FWL - SW/4

14. PERMIT NO.

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

5201' OR 5211' RB

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.)*

Drilled sand, shale, lime, chert and anhydrite to 5953'. Ran DST #1, Ismay, 5931'-53'. ISI 45 mins. 2250#, open 50 mins., FSI 75 mins. 2220#. Strong blow. Gas to surface in 59 mins. - flammable. Recovered 2435' slightly oil and gas cut salt water. IHH 3280#, IFF 620#, FFF 1280#, FHH 3280#. Top of Ismay porosity - 5733'. Sample tops: Desert Creek 5974'; Desert Creek limestone 6018'. Drilled to 6101'. Ran DST #2, Desert Creek, 6029'-6101'. ISI 45 mins. 44#, open 60 mins., FSI 75 mins. 44#. No blow. Recovered 10' drilling mud. IHH 3000#, IFF 40#, FFF 44#, FHH 3000#. Drilled to TD 6155'. Ran IES & Sonic - Gamma Ray with caliper logs. Commercial production was not encountered. It is proposed to plug and abandon the well as follows:

90 sacks cement 5900' - 6155'
35 sacks cement 4875' - 4975'
50 sacks cement 2975' - 3125'
110 sacks cement 730' - 1050'
10 sacks cement at surface

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE 7-6-64 by Harvey L. Coats
PETROLEUM ENGINEER

A dry hole marker will be erected in accordance with prescribed regulations and the location cleaned preparatory to final inspection.

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

SIGNED

Original Signed By
H. D. HALEY

TITLE

District Manager

DATE

6-30-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

USGS(3) USOLCC(2) RM(2) FEW & WAN (Sinc.) DRB JRN

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS CATEGORY*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cahone Mesa

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Cahone Mesa Paradox

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

Sec. 23, T40S, R25E

1. OIL WELL GAS WELL OTHER **Dry Hole**

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3312 - Durango, Colorado

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

1900' FSL, 747' FWL - SW/4

14. PERMIT NO.

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

5201' GR 5211' RB

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(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.)*

Drilled to TD 6155'. Ran IES and Sonic-Gamma Ray with Caliper logs. Commercial production was not encountered. Plugged and abandoned 6-30-64 with cement plugs as follows:

- 90 sacks cement from 5900' - TD
- 35 sacks cement from 4875' - 4975'
- 50 sacks cement from 2975' - 3125'
- 110 sacks cement from 730' - 1050'
- 10 sack cement plug at surface.

A dry hole marker was installed and the location cleaned in preparation for final inspection.

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

Original Signed By

SIGNED F. E. ELLIS

TITLE Assistant District Manager

DATE 7-17-64

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

USGS(3) UO&GCC(2) RM(2) FW & WAW (Sinc.) DRB JRH HDH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R385.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-2053

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cahone Mesa

9. WELL NO.

13

10. FIELD AND POOL, OR WILDCAT

Cahone Mesa Faradon

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

Sec. 23, T. 14N., R. 25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

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

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

2. NAME OF OPERATOR
Continental Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3312, Durango, Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface **1900' FSL, 747' FWL - SW/4**

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **6/10/64** 16. DATE T.D. REACHED **6/29/64** 17. DATE COMPL. (Ready to prod.) **F&A 6/30/64** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **5201' GR 5211' RB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6155** 21. PLUG, BACK T.D., MD & TVD **F & A** 22. IF MULTIPLE COMPL., HOW MANY* **→** 23. INTERVALS DRILLED BY **0-6155** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None 25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
IHS & Sonic and Gamma Ray with caliper 27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	32	300	13 1/2 & 12 1/2	250 sacks	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) _____

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

34. FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing information is complete and correct as determined from all available records
Original Signed By
F. E. ELLIS
SIGNED _____ TITLE **Assistant District Manager** DATE **7/28/64**

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

INSTRUCTIONS

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

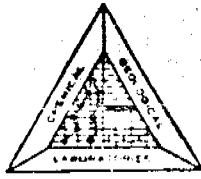
If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 30.

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Entrada	745'		Sandstone Sand Sand Siltstone Lims Lims Lims Lims			
Chinle	1832'					
De Chally	3040'					
Organ Rock	3106'					
Morrone	4893'					
Paradox	5773'					
Lemay	5820'					
Desert Creek	6025'					
BOT No. 1 from 5931' - 5953'. Good blow. Recovered out 2430' gassy salt water, slight oil and mud cut in top. SIP 2260/45 min. 2220/75 min. BP 620-1280, still building. BP 3280-3280.						
BOT No. 2 from 6029-6101. Recovered 10' mud, no shows. SIP 44/45 min. 44/75 min. BP 40-44, BP 3000-3000. Plugged and abandoned as follows: 90 sacks cement plug 5900-6155, 35 sacks 4875' 4975' ✓ 2975' 3125', 110 sacks 730' 1050', and 10 sacks at surface with dry hole marker.						



CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MEMBER	Continental Oil Company	LAB NO.	20028-1	REPORT NO.	
OPERATOR	Continental Oil Company	LOCATION	NW SW 23-40S-25E		
WELL NO.	13 Cahone Mesa	FORMATION	Lower Ismay		
FIELD	Wildcat	INTERVAL	5931-5953		
COUNTY	San Juan	SAMPLE FROM	DST No. 1 (Top)		
STATE	Utah	DATE	July 20, 1964		

REMARKS & CONCLUSIONS: Cloudy water, oil present.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	33,079	1,438.87	Sulfate	1,800	37.44
Potassium	280	7.17	Chloride	65,000	1,833.00
Lithium	10	1.44	Carbonate	192	6.39
Calcium	5,560	277.44	Bicarbonate	Trace	-
Magnesium	1,848	151.91	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
Total Cations		1,876.83	Total Anions		1,876.83

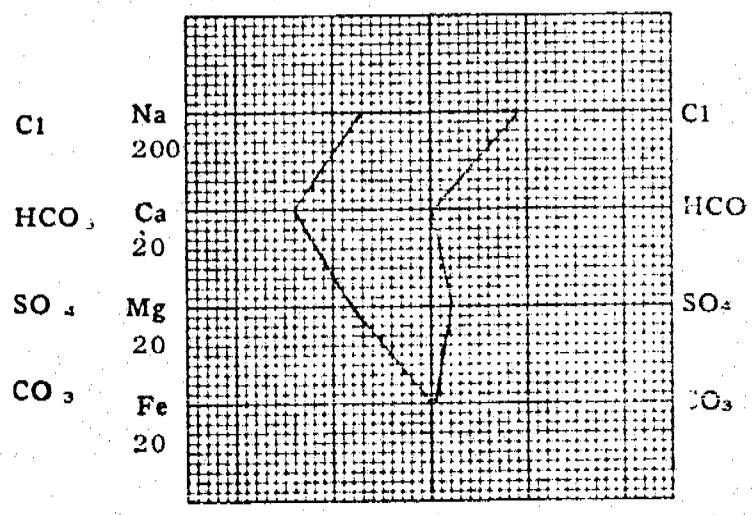
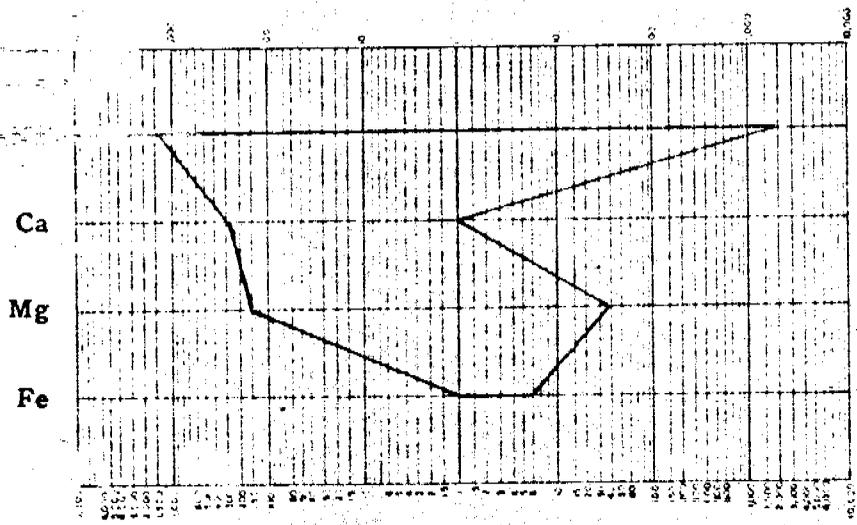
Total dissolved solids, mg/l	107,769	Specific resistance @ 68°F:	
NaCl equivalent, mg/l	108,489	Observed	0.088 ohm-meters
Observed pH	9.1	Calculated	0.082 ohm-meters

WATER ANALYSIS PATTERNS

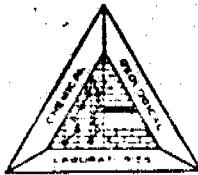
MEQ per unit

LOGARITHMIC

STANDARD



(Na value in above graphs includes Na, K, and Li)
NOTE: Mg/l = Milligrams per liter (ppm). Meq/l = Milligram equivalents per liter
Sodium chloride equivalent - by Dunlap & Hawthorne calculation from components



WATER ANALYSIS EXCHANGE REPORT

MEMBER Continental Oil Company
 OPERATOR Continental Oil Company
 WELL NO. 13 Cahone Mesa
 FIELD Wildcat
 COUNTY San Juan
 STATE Utah

LAB NO. 20028-2 REPORT NO. 7-1564
 LOCATION NW SW 23-40S-25E
 FORMATION Lower Ismay
 INTERVAL 5931-5953
 SAMPLE FROM DST No. 1 (Bottom)
 DATE July 20, 1964

REMARKS & CONCLUSIONS: Slightly cloudy water.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	42,091	1,830.83	Sulfate	900	18.72
Potassium	290	7.42	Chloride	86,000	2,425.20
Lithium	10	1.44	Carbonate	120	4.00
Calcium	8,062	402.29	Bicarbonate	73	1.20
Magnesium	2,520	207.14	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
Total Cations		2,449.12	Total Anions		2,449.12

Total dissolved solids, mg/l 140,066
 NaCl equivalent, mg/l 141,711
 Observed pH 8.7

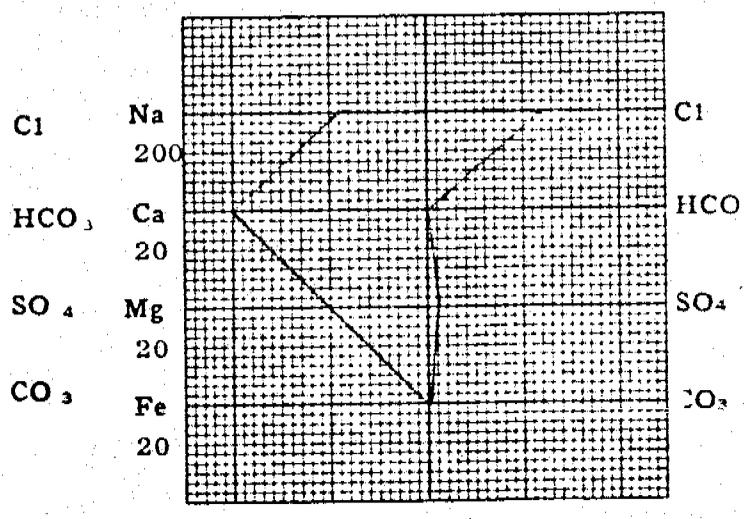
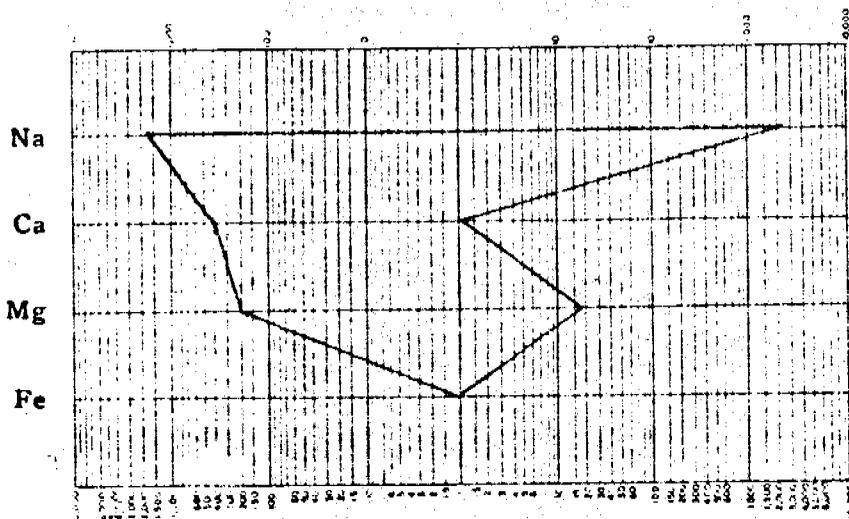
Specific resistance @ 68°F.:
 Observed 0.072 ohm-meters
 Calculated 0.068 ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC

STANDARD



(Na value in above graphs includes Na, K, and Li)
 NOTE: Mg/l—Milligrams per liter (ppm). Meq/l—Milligram equivalents per liter
 Sodium chloride equivalent—by Dunlap & Hawthorne calculation from components

October 23, 1964

Continental Oil Company
P. O. Box 3312
Durango, Colorado

Re: Well No. Cahons Mesa #13
Sec. 23, T. 40 S., R. 25 E.,
San Juan County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not been received by this Commission as required by our rules and regulations.

Thank you for your cooperation in this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW:cnp

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CONTINENTAL OIL COMPANY

P. O. Box 1121
Durango, Colorado
October 30, 1964

Utah Oil & Gas Conservation Comm.
348 East South Temple
Suite 301
Salt Lake City, Utah

Re: Well No. Cahone Mesa #13
Sec. 23, T40S, R25E
San Juan Co., Utah

Attn: Kathy G. Warner

Dear Miss Warner:

Enclosed please find the Induction-Electrical Log and the Sonic Log-Gamma Ray on the above subject well.

We regret the delay in forwarding these logs to you but it was our understanding that the logging company had made distribution as in the past.

Very truly yours,


John R. Hultman
Division Geologist

JRH/msh
Enc.