

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

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

ML 27694

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

Rattlesnake Canyon Unit

9. Well No.

2-12

10. Field and Pool, or Wildcat

Wildcat

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

Sec 2, T19S, R19E

12. County or Parrish 13. State

Grand

UT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

1b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

2. Name of Operator

Tenneco Oil Company

3. Address of Operator

P.O. Box 3249, Englewood, CO 80155

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

1960.2 FSL, 1155.5 FWL

At proposed prod. zone

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

20 miles NE of Green River

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

16. No. of acres in lease

2148.64

17. No. of acres assigned to this well

320.00

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

19. Proposed depth

9256

entrada

20. Rotary or cable tools

Rotary

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

ground 7756

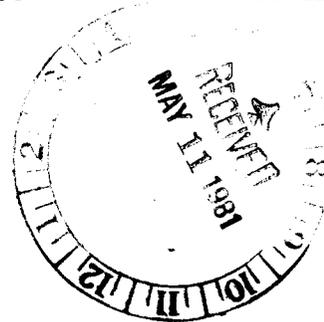
22. Approx. date work will start*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17 1/2"	13 3/8"	54.5#	±400'	Circulate to Surface
12 1/4"	9 5/8"	36#	±3200'	Circulate to Surface
8 3/4"	4 1/2"	10.5#	±9256	Cover all productive zones

Set 3 joints of 21" at ±120' as conductor.



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

M. L. Freeman
M. L. Freeman

Title Administrative Supervisor

Date May 6, 1981

(This space for Federal or State office use)

Permit No.

43-019-30809

Approval Date

Approved by

Title

Conditions of approval, if any:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 6/23/81

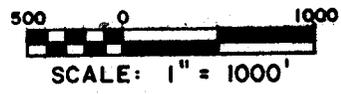
BY: *CB Knight*

BEST COPY AVAILABLE

N 89° 37' W 5289.2'

7186.1'

7146.5'



LEGEND

FOUND U.S.C.S. BRASS CAP 1960

BASIS OF BEARING:
SOLAR OBSERVATION

S 0° 01' E

2

S 0° 00' E

1155.5'

1960.2'

WELL LOCATION
ELEV. 7556'

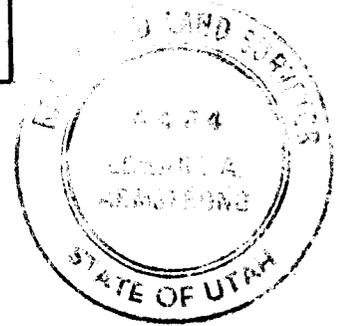
W.C. N 0° 01' W 150.5'

N 89° 53' W

5278.7'

WELL LOCATION

1960.2 FT. N.S.L. - 1155.5 FT. E.W.L.
SECTION 2, T.19 S., R.19 E., S.L.B.&M.
GRAND COUNTY, UTAH

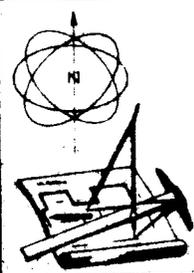


SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong

EDWARD A. ARMSTRONG L.S. 6489



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

SCALE 1" = 5000'

DATE 4-16-81

DRAWN BY J.R.K.

CHECKED BY *J.R.K.*
DATE OF CHECK 4-14-81

TENNECO OIL
RATTLESNAKE CANYON UNIT
STATE 2-12

SHEET 1 of 1

JOB NUMBER
813324

DRILLING PROCEDURE

DATE: May 6, 1981

LEASE: Rattlesnake Canyon Unit State

WELL NO.: 2-12

LOCATION: 1960.2' FNL, 1155.5'
Section 2, T19S, R19E
Grand County, Utah

FIELD: Wildcat

ELEVATION: 7556' (surveyed G.L.)

TOTAL DEPTH: 9256'

PROJECTED HORIZON: Entrada

SUBMITTED BY: Tom Dunning

DATE: May 6, 1981

APPROVED BY: *John W. Brown*

DATE: 5/6/81

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Tertiary	Surface
Mesaverde	2606'
Mancos	4356'
Castlegate (Gas or Water)	4471'
Dakota Silt	8306'
Dakota (Gas)	8441'
Morrison (Gas)	8686'
Entrada (Gas)	9206'
TD	9256'

1. No abnormal pressures, temperatures or H₂S is anticipated on this hole.
2. Reserve pit shall be fenced on 3 sides during operations in order to comply with BLM and USGS regulations.

DRILLING, CASING AND CEMENTING PROGRAM

1. MIRURT.
2. Set 3 joints of 21" casing at + 120' to be used as conductor pipe.
3. Drill a 17 1/2" hole to + 400'.
4. RU and run 13 3/8", 54.5#, K-55, STC casing to TD. Cement with sufficient volume to circulate cement to surface.
5. Install 13 3/8" casing head and NU BOP's rotating head and blooie line.
6. Drill a 12 1/4" hole to + 3200' or 600' into the Mesaverde Formation with air or mist.
7. RU and run 9 5/8", 36#, K-55, STC casing to TD. Cement with sufficient volume to circulate cement to surface.
8. WOC. TIH with 8 3/4" bit. Drill out cement and guide shoe. Drill 8 3/4" hole to TD with air or mist.
9. Log well as requested by Wellsite Geologist.
10. If productive, RU and run 4 1/2", 10.5# & 11.6#, K-55, STC casing to TD. Cement with sufficient volume to cover all possible productive zones.
11. If well is non-productive, P & A as per appropriate regulatory agency specifications.

CASING PROGRAM

Conductor	+ 120' (3 joints) 20"
Surface	400' 13 3/8", 54.5#, K-55, STC
Intermediate	3200' 9 5/8", 36#, K-55, STC
Production	9256' 4 1/2", 10.5#, K-55, ST&C

MUD PROGRAM

- 0-400 1. Fresh water, native solids, spud mud. Run frequent viscous sweeps to adequately clean hole.
- 400-3200 - 2. Anticipate drilling remainder of hole with air.
- 3200-T.D. 3. In the event liquids are encountered, mist drilling will be attempted.
4. Should mist drilling be unsuccessful, the hole will have to be mudded up.
5. Also, if gas is encountered in sufficient volume to compromise the safety of the operations, mudding up will be required.
6. If mudding up is necessary, the following guidelines should be followed. (1) Weight \pm 9.0 ppg. (2) Vis. as needed to clean hole. (3) W.L. 10 cc or less.

EVALUATION

Cores and DST's: No cores or DST's are anticipated.

Deviation Surveys:

- 0-400, 1^o
400-3200, 3^o Surveys to be run every 500' or on trips, whichever comes first.
- 3200-T.D., 6^o Maximum allowable deviations: (1) 1^o/100^o change in deviation.
(2) 1^o at surface casing setting depth.
(3) 3^o at intermediate casing
(4) 6^o at T.D.

Samples: 20' samples, surface pipe to T.D.

Mud logs: 2-man unit, surface pipe to T.D.

Open Hole Logs:

Air Drilled - SNP/GR FDC/GR DIL
Mud Drilled - FDC/CNL DIL/LL8 w/SP

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check MUST BE RECORDED on the IADC Drilling Report Sheet.

REPORTS

Drilling Reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud cost, deviation surveys, and other pertinent information to be called into Division Office by 7:30 A.M. Monday thru Friday.

TENNECO OIL COMPANY
P.O. BOX 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

Office Directory

Don S. Barnes	740-4814
John W. Owen	740-4810
Tom Dunning	740-4813
Dale Kardash	740-4809

In case of emergency or after hours call the following in the preferred order.

- | | | |
|--|----------|--------|
| (1) Don S. Barnes | 740-4814 | Office |
| Division Drilling Engineer | 936-0704 | Home |
| (2) John W. Owen | 740-4810 | Office |
| Senior Drilling Engineering Specialist | 795-0221 | Home |
| (3) Mike Lacey | 797-2651 | Home |
| Division Production Manager | | |

** FILE NOTATIONS **

DATE: June 15, 1981
OPERATOR: Tenneco Oil Co.
WELL NO: Rattlesnake Cyn. #2-12
Location: Sec. 2 ^{NW SW} T. 19S R. 19E County: Grand.

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-019-30809

CHECKED BY:

Petroleum Engineer: _____

Director: OK CBT

Administrative Aide: OK on boundaries

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site

Lease Designation St. Plotted on Map

Approval Letter Written
Hot Line P.I.

June 24, 1981

Tenneco Oil Company
P. O. Box 3249
Englewood, Colo. 80155

RE: Well No/ Rattlesnake Canyon Unit #2-12
Sec. 2, T. 19S, R. 19E,
GrandCounty, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

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

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30809.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight,
Director

CBF/db
CC: State Land Board

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1960.2'FSL, 1155.5'FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: same

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* (other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
ML 27694

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Rattlesnake Canyon

8. FARM OR LEASE NAME
Rattlesnake Canyon Unit State

9. WELL NO.
2-12

10. FIELD OR WILDCAT NAME
Wildcat

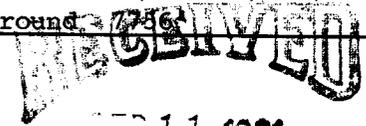
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 2, T19S, R19E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.
43-019-30809

15. ELEVATIONS (SHOW DF, KDB, AND WD)
ground 7246



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

DIVISION OF
OIL, GAS & MINING

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.)*

Due to a change of rigs, this well will now be drilled by Brinkerhoff-Signal Rig #9. Since this is a smaller rig, we have revised the drilling procedure as follows:

1. Set ±120' conductor pipe
2. Drill 13 3/4" hole to ±400'. Run and Cement 9 5/8", 36#, K-55 casing
3. Drill 8 3/4" hole to ± 4000'. Run and Cement 7", 23#, K-55 casing ✓
4. Drill 6 1/2" hole to ±8100' TD. Run and cement 4 1/2", 11.6#, N-80 casing

Revised formation tops are attached.

All other plans remain unchanged.

Subsurface Safety Valve: Manu. and Type _____

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

SIGNED A. A. Wisler TITLE _____ DATE _____

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 10 ^{Set @} 2-81 Ft.
BY: M. J. Windsor

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Tenneco

WELL NAME: Rattle Snake Cyn. Unit #2-12

SECTION ^{NW SW} 2 TOWNSHIP 19S RANGE 19E COUNTY Grand

DRILLING CONTRACTOR Brinkerhoff

RIG # 9

SPODDED: DATE 9-13-81

TIME 6:05 am

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Gary Clark

TELEPHONE # (303) 858-9826

DATE 9-14-81 SIGNED D.B.

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Engelwood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1960.2' FSL 1155.5' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
PULL OR ALTER CASING
MULTIPLE COMPLETE
CHANGE ZONES
ABANDON*
(other)

SUBSEQUENT REPORTS ON

RECEIVED
SEP 24 1981

DIVISION OF
OIL, GAS & MINING

5. LEASE
ML-27694
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Rattlesnake Canyon Unit
9. WELL NO.
2-12
10. FIELD OR WILDCAT NAME
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 2, T19S R19E
12. COUNTY OR PARISH | 13. STATE
Grand | Utah
14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4136' gr.

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

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

9/14/81 - MIRURT. Spud well on 9/13/81 w/Brinkerhoff Sigant #9.
9/15/81 - Ran 11 jts 9-5/8" 36# K-55, ST&C csg. Shoe @ 418' FC @ 379'. Cmt w/200 sx Cl-B w/2% CACL2 and 1/4#/sx flocele. Circ cmt to surface.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED David M. Lane TITLE Production Analyst DATE 9/21/81

(This space for Federal or State office use)

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1960' FSL 1155' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
ML-27694

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Rattlesnake Canyon Unit

9. WELL NO.
2-12

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Wildcat

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Sec. 2, T19S R19E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7756' 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 type="checkbox"/>
(other)	<input type="checkbox"/>	<input type="checkbox"/>

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

Nov 02 1981

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.)*

10/5/81 - Ran 122 jts 7" 23# K-55, ST&C csg set @ 4748'.
 10/6/81 - Cmtd w/500 sx Cl-H. Tail w/110 sx Cl-H. Bradenhead squeeze w/120 sx Cl-H.
 10/7/81 - Tag cmt stringers @ 4710'.
 10/24/81 - Run 2 jts 4-1/2" 11.6# N-80 and 275 jts 4-1/2" 12.6# N-80 LTC. Set @ 8159'. Cmtd w/10 bbl H2O, 335 sx Cl-H and 10% Calseal, 5% KCL and 10% NaCl2 and .75% CFR-2.
 10/25/81 - RDMORT.
 10/26/81 - WOCU.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Sandra Peron TITLE Production Analyst DATE 10/28/81
Sandra Peron

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1960' FSL 1155' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other)

SUBS

RECEIVED

NOV 23 1981

DIVISION OF OIL, GAS & MINING

5. LEASE
ML-27694

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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Rattlesnake Canyon Unit State

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2-12

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12. COUNTY OR PARISH | 13. STATE
Grand | Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7756' gr.

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

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

10/31/81 - MIRUSU, NDWH, NUBOP.

11/1/81 - Ran GR/CBL.

11/5/81 - Perf'd lower Salt Wash from 7495-7514', 7465-7478', w/2 JSPF, 32', 64 holes. Acidized w/1000 gal 15% HCL, 600# NACL/1000 gal. 80 l.l SG ball slrs.

11/8/81 - Perf'd Upper Salt Wash 7432-7437' (5' - 20 holes).

11/10/81 - Acidize perms w/500 gal 15% HCL w/600# NACL/100 gal and 24 l.l SG ball slrs.

11/13/81 - Perf'd Dakota 7086-96' w/3-1/8" csg gun and 2 JSPF.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Saundra Peron TITLE Production Analyst DATE 11/13/81

(This space for Federal or State office use)

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

Tenneco Oil
Exploration and Production
A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

DEPTH INCLINATION

108 3/4°
202 1/2°
325 1°
418 1-1/4°
510 1/2°
979 3/4°
1503 1-1/4°
2503 1-1/4°
3423 1-1/4°
3562 1°
4050 3-1/4°
4219 2-1/4°
4282 4°
4781 2°
4901 3°
5021 3°
5141 3°
5261 6°
5228 6°
5325 6-3/4°
5576 7-1/2°
5636 7-1/2°
5669 8°
5730 7-1/2°
5855 8°
6011 7°
6135 7°

DEPTH INCLINATION

6228 7-1/2°
6385 7-1/2°
6509 8°
6756 6-3/4°
6880 5-3/4°
7000 6-1/2°
7400 7-1/2°
7583 8-1/2°
7623 10°
7640 10°
7666 9°
7700 8-1/2°
7764 8-1/2°
7866 6-1/2°
7956 5-3/4°
8174 4-1/4°

AFFIDAVIT

This is to certify that to the best of my knowledge, the above tabulation details the deviation test taken on Tenneco Oil Company's well: Rattlesnake Canyon Unit, 2-12, Section 2, T19S, R19E, Grand County, Utah.

Signed: Sandra Peron
Agent for Tenneco Oil Company

THE STATE OF COLORADO)
CITY AND COUNTY OF DENVER)

Before me, the undersigned authority, on this day, personally appeared, Sandra Peron, known to me to be an Agent for Tenneco Oil Company, and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that she has knowledge of the facts stated herein, and that said statement is true and correct. Subscribed and sworn to before me, a Notary Public in and for said County and State, this 16th day of December 1981.

Charlotte Flanagan
Notary Public

My Commission Expires:

6/24/85

Lease: RATTLESNAKE CANYON UNIT
Well #: 2-12

API #: 43-019-30809-
Location: Sec 02 Twn 19S Rng 19E
County: GRAND
State: UTAH
Field: WILDCAT
Operator: TENNECO OIL COMPANY

Spud Date: 09/13/1981 Comp Date: 12/10/1981
KB: 0 ELEV: 7756
TD: 8174 PBD: 7380

		Start	Size		
		End	Length	Description	
0-	1	0.0	12.250	Hole: SURFACE	
		418.0	418.0		
		0.0	7.000	Cement: 200 SX. CL B + 2% CACL =	
		418.0	418.0	1/4#/SX FLOCELE	
820-	1	0.0	9.625	Casing: 30# SURFACE	
		418.0	418.0		
1640-	2	3307.0		Formation: CASTLEGATE	
		3584.0	277.0		
2460-	3	418.0	8.750	Hole: INTERMEDIATE	
		4748.0	4330.0		
3280-	3	0.0	7.000	Casing: 23# INTERMEDIATE	
		4748.0	4748.0		
4100-	4	0.0		Cement: 500SX CL H TAIL W/110 SX CL	
		4748.0	4748.0	H BRADENHEAD SQUEZ W/120SX @4748	
4920-	5	3584.0		Formation: MANCOS	
		6630.0	3046.0		
5740-	6	6630.0		Formation: FERRON	
		6924.0	294.0		
6560-	7	6924.0		Formation: DAKOTA SILT	
		7085.0	161.0		
7380-	8	0.0	2.375	Tubing:	
		7091.0	7091.0		
	9	7086.0		Perf: 2 JSPF	
		7096.0	10.0		
	10	7085.0		Formation: DAKOTA SANDSTONE	
		7240.0	155.0		
	11	7432.0		Perf: 2JSPF	
		7437.0	5.0		
	12	7465.0		Perf: 2JSPF	
		7478.0	13.0		
	13	7495.0		Perf: 2JSPF	
		7514.0	19.0		
	14	7240.0		Formation: MORRISON	
		7848.0	608.0		
	15	4748.0	6.250	Hole: PRODUCTION	
		8159.0	3411.0		
	16	0.0		Cement: 335 SX CL H +10%CALSEAL	
		8159.0	8159.0	5%KCL+ADDITIVES	
	17	0.0	4.500	Casing: 11.6# & 12.6# PRODUCTION	
		8159.0	8159.0		
	18	7848.0		Formation: ENTRADA	
		8174.0	326.0		

LEASE Rattlesnake Canyon
WELL NO. 2-12

CASING:

9-5/8"OD, 36 LB, K-55 CSG.W/ 200 SX

TOC @Surface.HOLE SIZE 12-1/4 DATE 9-15-81

REMARKS

7" "OD, 23 LB, K-55 CSG.W/ 610 SX

TOC @Surface.HOLE SIZE 8-3/4" DATE 10-6-81

REMARKS Top Job w/ 120 sys.

4-1/2"OD, 12.6 LB, N-80 CSG.W/ 335 sys SX

TOC @ 5550'. HOLE SIZE 6-1/4 DATE 10-24-81

REMARKS TOC by CBL

TUBING:

2-3/8 "OD, 4,7 LB, J-55 GRADE, 8 RD, EUE CPLG

LANDED @ 7042 . SN, PACKER, ETC. SN

"OD, LB, GRADE, RD, CPLG

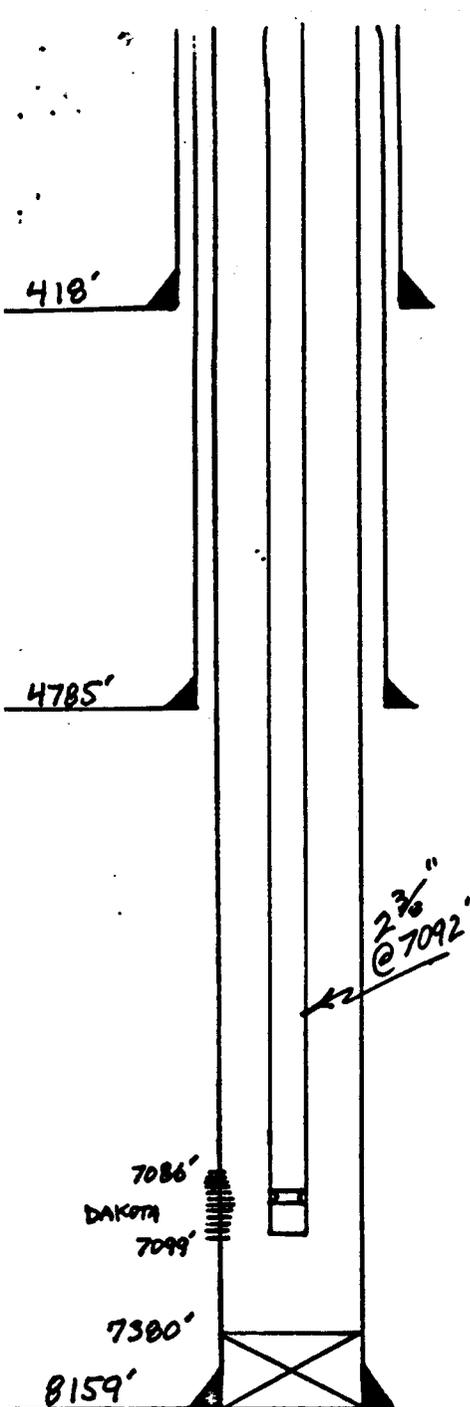
LANDED @ . SN, PACKER, ETC.

PUMP _____ RODS _____ ANCHOR _____

DETAILED PROCEDURE:

1. Blow well down. MIRUS4, NDWH, NUBOP.
2. POOH w/ 2-3/8" tbg.
3. RIH w/ 2-3/8" tbg and 4-1/2" CMT retainer. Set retainer @ \pm 6980'. PT tbg to 2500 psi.
4. Sting out of retainer and establish reverse circulation. Sting into retainer and establish rate into DAKOTA Perfs.
5. Squeeze Dakota Perfs w/ 50 sxs CLASS 'G' cmt. Sting out of retainer 1 BBL shy of displacement and reverse tbg clean.
6. POOH w/2-3/8" tbg. NDBOP.
7. RU wireline and freept. and jet cut 4-1/2" CSG @ \pm 5500'. POOH & lay down 4-1/2" CSG. NUBOP.
8. RIH w/ 2-3/8" tbg to 5600'. Spot 25 sx plug from 5600' to 5400' to cover 4-1/2" CSG stub.
9. POOH to 4885'. Spot 40 sx plug from 4885' to 4685' to cover 7" CSG SHOE. POOH to 100' and spot a 25 sx plug from 100' to surface. POOH w/ tbg. RD MOSU.
10. Cut off CSG head and install p&A marker. Clean grade and re-seed location per BLM specifications.

*Div. of State
Lands & Forestry*



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 a well that reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY in space 17 below.)
AT SURFACE: 1960' FSL, 1155' FWL
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 type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE ML-27694	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Rattlesnake Canyon Unit State	
WELL NO. 2-12	
FIELD OR WILDCAT NAME Wildcat	
SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 2, T19S, R19E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 7756' gr.	

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

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

11/14/81- Acidize Dakota 7086-7099' w/500 gals 15% HCL w/600# NAACL/1000 gal & 35 1.1 SG ball slrs. Ball off complete.

11/21/81 - RDMOSU.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Andrea Tecon TITLE Production Analyst DATE 12/16/81

(This space for Federal or State office use)

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

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

12

5. LEASE DESIGNATION AND SERIAL NO.

ML-27694

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rattlesnake Canyon Unit

9. WELL NO.

2-12

10. WELD AND POOL, OR WILDCAT

~~Dakota~~ *Wildcat*

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

Section 2, T19S, R19E

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1960' FSL, 1155.5' FWL

At top prod. interval reported below

NW SW

At total depth

14. PERMIT NO. DATE ISSUED

43-019-30809 | 6-23-81

12. COUNTY OR PARISH

Grand

13. STATE

Utah

15. DATE SPUDDED 9/13/81	16. DATE T.D. REACHED 10/24/81	17. DATE COMPL. (Ready to prod.) 12/10/81	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 7756' gr.	19. ELEV. CASINGHEAD --
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20. TOTAL DEPTH, MD & TVD 8174'	21. PLUG, BACK T.D., MD & TVD 7380'	22. IF MULTIPLE COMPL., HOW MANY* --	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0'-TD	CABLE TOOLS --
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

7086-7096' Dakota

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Sonic, CBL, DI

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"	30#	418'	12-1/4"	200 sx CL-B w/2% CaCl ₂ & 1/2#	sx flocele
7"	23#	4748'	8-3/4"	500 sx CL-H, ta-1 w/110 sx	CL-H
4-1/2"	11.6# & 12.6#	8159'	6-1/4"	335 sx CL-H w/10% calseal, NaCl ₂ & .75% CFR-2	5% KCL & 10%

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7091'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL (MD)	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7086-96'	2 JSPF	7086'-7096'	Bradenhead squeeze w/120 sx CL-H @ 4748'. Acidized salt wash (lower 7465'-7514') w/1000 gal 15% HCL, 600# NaCl/1000 gal 80 l.l

33.* PRODUCTION

DATE FIRST PRODUCTION 12/10/81	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) Shut in
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DATE OF TEST 12/10/81	HOURS TESTED 24	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF. 298	WATER—BBL.	GAS-OIL RATIO
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FLOW. TUBING PRESS. 130 PSI	CASING PRESSURE 370 PSI	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF. 298	WATER—BBL.	OIL GRAVITY-API (CORR.)
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34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS

Electric logs to be furnished by Schlumberger

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

SIGNED Aundra Peron TITLE Production Analyst DATE 12/17/81

*(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.), formations and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MEAS. DEPTH
			TOP
			TRUE VERT. DEPTH
Castlegate	3307'	3584'	
Mancos	3584'	6630'	
Ferron	6630'	6924'	
Dakota Silt	6924'	7085'	
Dakota Sandstone	7085'	7240'	Gas
Morrison	7240'	7848'	
Entrada	7848'	TD	

Rattlesnake Canyon Unit State 2-12
Section 2, T19S, R19E
Grand County, Utah

Revised formation tops:

Wasatch	Surface
Mesaverde	1806'
Mancos	3556'
Castlegate	3671'
Frontier	7206'
Dakota Silt	7506'
Dakota	7726'
Morrison	7956'
TD	±8150'

Lease: RATTLESNAKE CANYON UNIT
Well #: 2-12

API #: 43-019-30809-
Location: Sec 02 Twn 19S Rng 19E
County: GRAND
State: UTAH
Field: WILDCAT
Operator: TENNECO OIL COMPANY

Spud Date: 09/13/1981 Comp Date: 12/10/1981
KB: 0 ELEV: 7756
TD: 8174 PBD: 7380

Depth (ft)	Interval	Start End	Size Length	Description
0	1	0.0	12.250	Hole: SURFACE
820		418.0	418.0	
		0.0		Cement: 200 SX. CL B + 2% CACL =
		418.0	418.0	1/4#/SX FLOCELE
		0.0	9.625	Casing: 30# SURFACE
		418.0	418.0	
1640				
2460				
3280	2	3307.0		Formation: CASTLEGATE
		3584.0	277.0	
4100				
	3	418.0	8.750	Hole: INTERMEDIATE
		4748.0	4330.0	
		0.0	7.000	Casing: 23# INTERMEDIATE
		4748.0	4748.0	
		0.0		Cement: 500SX CL H TAIL W/110 SX CL
		4748.0	4748.0	H BRADENHEAD SQUEZ W/120SX @4748
4920	4	3584.0		Formation: MANCOS
		6630.0	3046.0	
	5	6630.0		Formation: FERRON
		6924.0	294.0	
	6	6924.0		Formation: DAKOTA SILT
		7085.0	161.0	
		0.0	2.375	Tubing:
		7091.0	7091.0	
		7086.0		Perf: 2 JSPF
		7096.0	10.0	
	7	7085.0		Formation: DAKOTA SANDSTONE
		7240.0	155.0	
	8	7432.0		Perf: 2JSPF
		7437.0	5.0	
	4	7465.0		Perf: 2JSPF
		7478.0	13.0	
	5	7495.0		Perf: 2JSPF
	6	7514.0		Perf: 2JSPF
		7514.0	19.0	
	7	7240.0		Formation: MORRISON
		7848.0	608.0	
	8	4748.0	6.250	Hole: PRODUCTION
		8159.0	3411.0	
		0.0		Cement: 335 SX CL H +10%CALSEAL
		8159.0	8159.0	5%KCL+ADDITIVES
	9	0.0	4.500	Casing: 11.6# & 12.6# PRODUCTION
		8159.0	8159.0	
		7848.0		Formation: ENTRADA
7380	10	8174.0	326.0	

SUBMIT IN DUPLICATE*

just file

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

5. LEASE DESIGNATION AND SERIAL NO.
ML-27694

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Rattlesnake Canyon Unit

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. COUNTY, T., R., M., OR BLOCK AND SURVEY

Sec. 2, T19S, R19E

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1960' FSL, 1155' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____
12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUNDED 9/13/81 16. DATE T.D. REACHED 10/24/81 17. DATE COMPL. (Ready to prod.) 12/10/81 18. ELEVATION OF WELL HEAD, OR, ETC.* 7756 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 8174' 21. PLUG, BACK T.D., MD & TVD 7380' 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS 0'-TD CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 7086-7096' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Sonic, CBL, DI 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"	30#	418'	12-1/4"	200 sx CL-B w/2% CaCl ₂ & 5% KCL	418' sx flocele
7"	23#	4748'	8-3/4"	500 sx CL-H, ta-1 w/110 sx CL-H	4748' sx CL-H
4-1/2"	11.6#, 12.6#	8159'	6-1/4"	335 sx CL-H w/10% calseal, 5% KCL & 10% NaCl ₂ & 75% CFR-2	8159' sx CL-H

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7091'	

31. PERFORATION RECORD (Interval, size and number)

INTERVAL (MD)	SIZE	NUMBER
7086-96'	2 JSPF	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7086'-7096'	Bradenhead squeeze w/120 sx CL-H @ 4748'. Acidized salt wash (lower 7465'-7514') w/1000 gal 15% HCL, 600# NaCl/1000 gal 80 l.l.

33.* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/10/81	24				298		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
130 PSI	370 PSI			298		

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

35. LIST OF ATTACHMENTS
Electric logs to be furnished by Schlumberger

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

SIGNED *Lawrence Tecora* TITLE Production Analyst DATE 1/4/82

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

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

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

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

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

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURE, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			MEAS. DEPTH
			TOP
			TRUE VERT. DEPTH
Castlegate	3307'	3584'	
Mancos	3584'	6630'	
Ferron	6630'	6924'	
Dakota Silt	6924'	7085'	
Dakota Sandstone	7085'	7240'	Gas
Morrison	7240'	7848'	
Entrada	7848'	TD	



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Felght, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 13, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Rattlesnake Canyon Unit #2-12
Sec. 2, T. 19S, R. 19E
Grand County, Utah

Well No. State #14-4
Sec. 14, T. 19S, R. 20E
Grand County, Utah

Well No. Long Canyon State #16-4
Sec. 16, T. 19S, R. 23E
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office December 17, 1981, from above referred to wells, indicates the following electric logs were run: Sonic, CBL, DI-- #14-4, GR, CBL, CCL, VDL-- #16-4, CBL, GR, DI-SFL. As of today's date, this office has not received these logs: #2-12, CBL-- #14-4, CBL, CCL, VDL-- #16-4. CBL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions
verse side)

070312

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
ML-27694

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

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

1960' FSL, 1155' FWL

Per 09197 DKTA

14. PERMIT NO.
API #43-019-30809

15. ELEVATIONS (Show whether DP, ST, OR, etc.)
7756' gr

7. UNIT AGREEMENT NAME
Rattlesnake Canyon Unit

8. FARM OR LEASE NAME

9. WELL NO.
2-12

10. FIELD AND POOL, OR WILDCAT
Dakota

11. SEC., T., R., N., OR BLK. AND
SUBST OR AREA
Sec. 2, T19S-R19E

12. COUNTY OR PARISH 13. STATE
Grand Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
FULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

Tenneco requests permission to plug and abandon the reference well according to the attached detailed procedure.

RECEIVED
JUN 30 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED *[Signature]* TITLE Sr. Administrative Analyst DATE 6/23/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 7-1-86
BY: *[Signature]*



Dale D. Gilliam
Regional Production Manager

January 30, 1989

State of Utah
Oil, Gas & Mining Division
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

File: JLH-063-980.2

Tenneco Acquisition
Change of Ownership
Sundry Notices

Amoco Production Company has acquired Tenneco's Rocky Mountain Division. In accordance with the Utah Rules and Regulations, we are furnishing your office with the required Sundry notices.

In addition to the Sundry notices, we are providing you with other critical information pertaining to the sale:

- The effective date of purchase was July 1, 1988 with a closing date of December 9, 1988.
- Any questions and/or correspondence concerning operational matters, permitting, sundry notices, etc., should be directed to John Hampton with Amoco at (303) 830-5025.
- Current plans are that Tenneco, acting as Amoco's Agent, will file the State Production Reports, and will handle royalty and severance payments in their name through the month of May. However, we are attempting to accelerate this transition period. Questions concerning these matters during this period should be handled with Tenneco, as in the past.

D. D. Gilliam

RLW/ksf

Attachment

COPIES SENT TO	
AWS	✓
VLC	✓
PMK	✓
Ed Banner	- st Lds
Brad Simpson	- Tax

Amoco Production Company
Denver Region
1670 Broadway
P.O. Box 800
Denver, Colorado 80201
303-830-4040

RECEIVED
FEB 01 1989

DIVISION OF
OIL, GAS & MINING

10005

TAS
Show Amoco as operator
but send to Tenneco's
address (c/o Tenneco).
Call John Hampton to find
out which Tenneco address
to send reports to.

DTJ
2-6-89

Placed in
this will file
3-19-90



UTAH NATURAL RESOURCES
Oil, Gas & Mining

355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Ut
84180-1203. (801) 538-5340

RECEIVED Page 1 of 1
JAN 16 1990

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED

Amoco Production Company

• ~~TENNECO OIL COMPANY~~
~~6162 SO. WILLOW RD.~~
~~ENGLEWOOD CO~~ 80111 *1670 Broadway*
ATTN: ~~GAROL CAYOU~~
Lynn Hatt *Denver, Co. 80202*

Utah Account No. NO950

Report Period (Month/Year) 5 / 89

Amended Report

Well Name API Number Entity Location	Producing Zone	Days Oper	Production Volume		
			Oil (BBL)	Gas (MSCF)	Water (BBL)
RATTLESNAKE CANYON 2-12 4301930809 09197 19S 19E 2	DKTA	0	0	0	0
NO PRODUCTION					
			3,000	0	0
				0	0
TOTAL			0	0	0

Comments (attach separate sheet if necessary)

I have reviewed this report and certify the information to be accurate and complete.

Date 1-12-90

[Signature]
Authorized signature

Telephone 303-830-5581

06-21-2
06-20-90
06-20-90
[Signature]



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 20, 1992

To: R. J. Firth, Associate Director
D. T. Staley, Admin. Supervisor

From: Lisha Romero, Admin. Analyst *LR*

Re: Operator History for the Rattlesnake Canyon #2-12 Well
Sec. 2, T. 19S, R. 19E - Grand County, Utah.

06-24-81 - APD Approved/Tenneco Oil Company
12-10-81 - Completed/Tenneco Oil Company
07-01-86 - Intent to PA/Tenneco Oil Company

07-01-88 - Amoco acquired Tenneco's Rocky Mtn. Div.
(Sundry notices provided for wells
included in change. Did not include the
Rattlesnake Canyon #2-12.)
*Operator not changed at this time.

01-30-89 - Tenneco "acting as Amoco's Agent" for
production, royalty and tax purposes up to
May 1989.
*Operator not changed at this time.

01-16-90 - Received monthly production reports from
Amoco for June, July, August, September,
November and December of 1989.
*Operator not changed at this time.

01-18-90 - October 1989 report provided by DOGM
*Operator not changed at this time.

03-20-90 - Operator to Amoco Production Company
(Dave Lovato w/Amoco was going to mail a
sundry for the Rattlesnake Cyn #2-12.)
*Never received sundry.

03-22-90 - Received monthly production reports from
Amoco for January and February of 1990.

04-18-91 - Received monthly production reports from
Amoco for March, April, May, June and July
of 1990.

- 03-17-92 - No production has been reported by Amoco from August 1990 to February 1992.
- State Lands/Ed Bonner was contacted in regard to ML-27694. It appears that the lease changed from Chevron USA to Tenneco, then changed back to Chevron prior to being cancelled on 10-19-87.
*A joint bond Conoco/Tenneco (\$25,000) is still on file.
- ML-43813 was issued to Robert C. Rodman effective 4-1-88, then cancelled 4-14-90.
*No bond coverage or other, provided to assume well.
- ML-45048 was issued to Gary Carlson effective 10-1-90.
*No bond coverage or other, provided to assume well.
- State Lands/Ed Bonner was going to send a letter to Gary Carlson to see if he was going to assume the well.
- 03-19-92 - Amoco/Marcy Tafoya telephoned, said the well was never purchased by Amoco, and that Amoco had submitted production reports in error. They are willing to send copies of all documents regarding the properties sold to them from Tenneco.
*Informed her that St Lands was in the process of trying to clear up the matter.
- 04-20-92 - St Lands/ML-45048 "Gary Carlson"
*No bond coverage or other, provided to assume well.
- 05-15-92 - Amoco/Sheryl Lebsack requested copies of documents, including production reports filed by Amoco, of operator change.
- 05-19-92 - St Lands/ML-45048 "Gary Carlson"
*No bond coverage or other, provided to assume well.
- 06-22-92 - " "

Page 3
Rattlesnake Canyon #2-12
September 30, 1992

- 07-20-92 - St Lands/ML-45048 "Gary Carlson"
*No bond coverage or other, provided to
assume well.
- 08-21-92 - " "
- 09-16-92 - DOGM requested information regarding
Tenneco Oil Company from the Department of
Commerce, Division of Corporations.
*Rec'd 9-17-92.
- 09-18-92 - St Lands/ML-45048 "Gary Carlson"
*No bond coverage or other, provided to
assume well.
- 09-22-92 - Amoco telephoned spoke with VLC, they
don't know what else to do to get the well
changed from Amoco. They are planning to
send a representative into our office to
try to clear up the matter.
- 09-28-92 - After review by DOGM Admin., it was
decided that the Rattlesnake Canyon #2-12
well will be changed back to Tenneco Oil
Company. The address for Tenneco is being
deleted from the computerized system "it
is Amoco's address", so that monthly
production reports are not mailed out.
DOGM is aware that Tenneco Oil Company no
longer exists and will pursue the issue.
- 09-28-92 - Operator changed from Amoco back to
Tenneco effective 3-22-90.
*No production filed for March 1992 to
current.

cc: V. L. Carney/Production File
St Lands/Ed Bonner
Well File
Operator File

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____
(Location) Sec _____ Twp _____ Rng _____
(API No.) _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
OPERATOR CHANGE

1. Date of Phone Call: 3-2-93 : Time: 10:35

2. DOGM Employee (name) L. CORDOVA (Initiated Call
Talked to:
Name ED BONNER (Initiated Call - Phone No. () X5474
of (Company/Organization) STATE LANDS & FORESTRY

3. Topic of Conversation: ML-45048, PREVIOUSLY ML-27694.
(ML-45048 ISSUED TO GARY CARLSON EFF 10-1-90)

4. Highlights of Conversation: _____
HAS GARY CARLSON ASSUMED RESPONSIBILITY FOR THE RATTLESNAKE CYN 2-12 WELL, AND
PROVIDED BOND COVERAGE FOR SAME?
ED WILL SEND A LETTER TO MR. CARLSON TO TRY TO CLEAR UP THE MATTER, WILL SEND
A COPY OF SUCH LETTER TO DOGM.

* Duane Ostler - Tax Comm. 6/21/93 (92' outstanding) 530-6316
Stan Corbett - Tennessee *referred to St. Lands.
(713) 757-5629
*9305 St. Lands "will pursue"
*9308 "
*9309 "
*9310 "
*9311 "

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File _____

Suspense
(Return Date) _____
(To - Initials) _____

Other
Bond File _____
Open File _____

(Location) Sec _____ Twp _____ Rng _____
(API No.) 43-019-30809

1. Date of Phone Call: 11-16-93 : Time: 12:45

2. DOGM Employee (name) J. Cordova (Initiated Call)
Talked to:

Name Larry Nolen (Initiated Call) - Phone No. (713) 757-3230
of (Company/Organization) Tenneco Inc "Houston, TX"

3. Topic of Conversation: Req. bond release & oper. of Rattlesnake Cyn 212
(Tenneco - TBC - Amoco - Gary Carlson?)

4. Highlights of Conversation: _____

Req. that Mr. Nolen submit a letter req. bond rel.

Referred to St. Louis / Ed Bonner ML-27694 / ML-45048



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF STATE LANDS AND FORESTRY

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Scott Hirschi
Division Director

3 Triad Center, Suite 400
355 West North Temple
Salt Lake City, Utah 84180-1204
801-538-5508
801-355-0922 (Fax)

January 28, 1994

CERTIFIED MAIL NO. P 879 599 734

Petro-X Corporation
PO Box 520205
Salt Lake City, UT 84152-0205

Gentlemen:

RE: State of Utah Oil, Gas, and Hydrocarbon Lease ML 45048
Rattlesnake Canyon #2-12 Well (API 43-019-30809)

As you are aware Tenneco Oil Company drilled the Rattlesnake Canyon #2-12 well on lands covered by your lease in the 1980's. This well has remained shut-in since that time. Tenneco Oil Company has requested they be relieved of further liability with regards to this well.

As current lessee of lands where this well is located, please advise this office should you desire to assume operations of this well. Should you elect to assume operations of this well it will be necessary to submit appropriate sundry notices and operator name changes to the Division of Oil, Gas, and Mining and sufficient bonding or appropriate surety in the amount of \$40,000 to the Division of State Lands and Forestry. All paper work regarding name changes and bonding should be submitted to the appropriate agency prior to February 18, 1994. After that date we will assume you have no interest in this well and pursue plugging of this well with Tenneco Oil Company.

If you have any questions regarding this matter, please contact this office.

Sincerely,

EDWARD W. BONNER
MINERALS SECTION MANAGER

EWB/tdw



Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File
Rattlesnake Cyn. 2-12
(Location) Sec 2 Twp 19S Rng 19E
(API No.) 43-019-30809

Suspense
(Return Date) _____
(To - Initials) _____

Other
Open c.h.g.

1. Date of Phone Call: 7-26-94 Time: 11:30

2. DOGM Employee (name) L. Cordova (Initiated Call
Talked to:

Name Ed Bonnes (Initiated Call - Phone No. () 5474

of (Company/Organization) Trust Lands

3. Topic of Conversation: Amoco / Tenneco ?
ML-45048

4. Highlights of Conversation: _____

Recently, Tenneco contacted Ed to relay that after consulting with their attorney's, Tenneco feels the well is not their well. They say the well belongs to Amoco. Ed is going to contact Amoco to relay info. and to suggest that both companies have their attorney's review & resolve the matter!

* Ed will send copies of correspondence to Tenneco / Amoco since DOGM's last copy received 1/28/94.

(He is pushing to get it resolved ASAP!)

From: STEVE SCHNEIDER (SSCHNEIDER)
To: SLF:EBONNER
Date: Wednesday, August 17, 1994 3:19 pm
Subject: Rattlesnake Cyn 2-12

While I was meeting with Dean Christensen in our office this morning on another matter, I inquired regarding his knowledge (and intent) on the above well on state land in Sec. 2, 19S, 19E. As you recall, this well's ownership has been in dispute between Amoco and Tenneco for some time now, however UPETCO is the current state lessee.

For your info, Dean agreed he has not committed to assuming operatorship for this well in association with his lease, per your letter request in Jan 1994; however, he said he is pursuing this well as a source of economical natural gas for the city of Green River. When asked if this plan may evolve in 5 to 10 years, or some sooner date, Dean indicated he would expect a decision to certainly be made within six months. He referenced several names of people in Green River which desire and could make this happen. Of course, the pipeline cost for 20+ miles is the big hurdle.

I indicated that this well has the possibility of being plugged once ownership is resolved. He claimed plugging this well would be a mistake, in his opinion.

In summary, he may take over the well (or have Green River City take over the well) if a pipeline can be built by the end user, or this proposal may just never occur and we are back to Amoco/Tenneco to plug this well.

Hopefully, you are able to have Amoco/Tenneco resolve the ownership question in case this proposal doesn't materialize. Keep us posted.

CC: RFIRTH,LCORDOVA



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

March 12, 1995

RATTLESNAKE CANYON UNIT 2-12
SECTION 02, TOWNSHIP 19 SOUTH, RANGE 19 EAST
GRAND COUNTY, UTAH
API #43-019-30809

1. Notify DOGM 24 hours prior to beginning plugging operations.
2. MIRU Well service unit.
3. POH w/ tubg. GIH w/CICR on the tubg. to \pm 7030'. Test casing to 500 psi for 30 min. Squeeze 24 sx. cmt. below retainer and dump 1 sx. on top of the retainer. Circ plugging fluid as per R649-3-24-3.4.
4. POH w tubg. to \pm 4800' and pump 100' balanced cement plug.
5. Cont. POH to \pm 470' pump 100' balanced cement plug across surface shoe.
6. Fin POH w/tubg. cut off casing and place a 10 sx. plug at the surface and install dry hole marker w/ information as per R649-3-24-7.
7. Rehab. location and road as per state lands recommendations.

NOTE: IF ANY CASING IS PULLED OR RECOVERED PLUGGING PROCEDURE WILL BE CHANGED AND SHOULD BE SUBMITTED FOR APPROVAL TO THE DIVISION.



DAILY WORKOVER/
COMPLETION REPORT

TOC SUPV. Fred Strowbridge
 LEASE & WELL Rattlesnake Canyon DEPTH PBTD @ 7380'
 DAYS FROM SPUD P&A 2-12
 ACTIVITY at REPORT TIME _____

DATE: 8/14/95

W/O RKB TO CHF _____ WATER DEPTH _____ DRLC. RKB TO CHF _____

CATEGORIES	DAILY HOURS	DAILY TROUBLE HOURS	Cum. Hrs.
Rig Up & Skid Rig	5		
Tear Down, Moving, Etc.			
Trips			
Repair Cement Job			
Electric Wireline Logging, Perforating, Set. Pkr., B. P. Ret., TT B P Etc.			
Lost Circulation			
Circ. Cond./Displ.			
Kill Well or Control Press	3		
Run Comp'l. String			
Install & Test Wellhead, BOP's Liner Casing, Etc.			
Gravel Pack, Sd, consid, - Acidize - Frac.			
Pick-up, Lay Down Work String Tbg., Etc.			
Well Testing			
Portable/Wireline			
Milling/Drig. CMT			
Washover - Fishing			
Elec., Line BK-Off, Chemcut Free Point, Etc.			
Wireline - Swabbing & "Slick line" Work			
Wait on Weather			
Orders, Tools, Etc.			
Plug & Abandon			
Washing Sd./Mud			
Rig Maint./Repairs			
Other			
Cumulative Totals			

DESCRIPTION DAILY ACTIVITY

07:00 - 13:00 MIRU Rig + Cement & Water Pump

13:00 - 16:30 - Blow down well

16:30 - SDFN

TYPE MUD OR COMPLETION FLUID Fresh Water WEIGHT 8:33 ppg VISCOSITY + 26
 ZONE _____ PERFORATIONS MD _____ TVD _____

NO. BIT. MILL	SIZE	MFG.	TYPE	DEPTH-IN	DEPTH-OUT	FOOTAGE	HRS.	COND. BIT MILL		
								T	B	G

TUBING REPORT 23/8", 4.7# PACKER DEPTHS: 1. None 2. _____ SSSV DEPTHS: 1. _____ 2. _____

NO. JTS. RUN	FOOTAGE RUN	SIZE	WEIGHT	GRADE	THREAD

SQUEEZES - TYPE CEMENT USED

NO	DEPTH SQ TOOL	DEPTH ZONE SQ	BREAK DOWN PSI & RATE	NO. SXS MIXED	SXS LEFT IN CSG	FINAL PRESS	NO. SXS REVERSED	JOB COMPL.

PRODUCTION TEST

HRS. TIME	CK. SIZE	TBG. PRESS	CSG. PRESS	GAS MCFD	OIL/COND. BPD	WATER BPD	Cl ppm

WELL COST

ACTIVITY	DAILY	CUMULATIVE
DRILLING		
EVALUATION		
COMPLETION		
MECH. TROUB.		
TOTAL		

WORK STRING: _____

CONTRACTOR & RIG NO. Wisco/Monument well Service Rig #8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINES
RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: Tenneco Oil Company

WELL NAME: Rattlesnake Canyon Unit 2-12

QTR/QTR: _____ SECTION: 2 TOWNSHIP: 19S RANGE: 19E

COUNTY: Grand API NO: 43-019-30809

INSPECTOR: JAM TIME: _____ DATE: 8/14/15/95

SURFACE CASING SHOE DEPTH 418' CASING PULLED YES _____ NO

CASING PULLED: SIZE _____ CUT DEPTH _____ FT/CSG RECOVERED _____

CASING TESTED YES NO _____ TESTED TO: 700 PSI TIME: 15 MIN:

CEMENTING COMPANY: Basin Cementing

CEMENTING OPERATIONS: P&A WELL:

PLUG 1. SET: FROM 4800 FT. TO 4537 FT. TAGGED YES _____ NO

SLURRY: Cl G neat 20 sk plug. 263' plug

PLUG 2. SET FROM _____ FT. TO _____ FT. TAGGED YES _____ NO _____

SLURRY: _____

PLUG 3. SET FROM _____ FT. TO _____ FT. TAGGED YES _____ NO _____

SLURRY: _____

PLUG 4. SET FROM _____ FT. TO _____ FT. TAGGED YES _____ NO _____

SLURRY: _____

SURFACE PLUG: FROM 470 FT. TO 0 FT.

ALL ANNULUS CEMENTED TO SURFACE: YES NO _____

PLUGGING FLUID TYPE: fresh water w/corrosion inhibitor

PERFORATIONS: FROM ⁷⁰⁸⁶7432 FT. TO ⁷⁰⁹⁶7437 FT.
FROM ⁷⁴⁶⁵7465 FT. TO ⁷⁴⁷⁸7478 FT.

1 ~~SET~~ SET: CICR 0.6340' 90 sk cement below 10 sk cement above

2 ~~SET~~ SET: got squeeze press on perfor mkt press. 1/2 BFM
1000psi

ABANDONMENT MARKER: PLATE: _____ PIPE: _____ CORRECT INFORMATION: _____

COMMENTS: only 6431.5' of tubg in hole. Set retainer @ 0.6340' on 2 3/8" hdg.
Pumped 40 sk down 9 5/8" 7" appeared to be parted.
Filled all annuli w/ cement using 1" plastic hose 50'
to surface. Installed dry hole marker.

DAILY WORKOVER/
COMPLETION REPORT

TOC SUPV. Fred Strowbridge

DATE: 8/15/95

LEASE & WELL Rattlesnake Canyon DEPTH PBTD @ 7380'

DAYS FROM SPUD P & A

ACTIVITY at REPORT TIME _____

W/O RKB TO CHF _____ WATER DEPTH _____ TO CHF _____ DRLC. RKB _____

DESCRIPTION DAILY ACTIVITY

07:30 - Pump 90 Bbl fresh water - kill well
08:15 - NDWH - NUBOP
11:00 - Pump 40 Bbls fresh water - kill well
11:15 - POOH/201 Jts. 2 3/8" tbg. TIH w/4 1/2" retainer +198 Jts tbg. set tool @ 6400'
13:00 - Pump 100 sx class 'G' cement - squeeze 15 min. Put approx 85 sx under tool and spot 15 sx. on top. est. TOC @ 6302
13:45 - TOH to 4800'. Pump 20 sx. balance plug from 4800' to 4539'. POOH w/tbg. & stinger.
14:30 - NDBOP
15:15 - GIH to 448' (14 Jts) & circ cement down tbg & back to surface (50 sx)
15:45 - POOH Lay down Tbg.
16:15 - Pump 40 sx into 4 1/2 X 7", annulus - cutoff WH - Pump 25 sx to fill 4 1/2" csg.
17:30 - RDMO Rig.
19:00 - Weld on dry hole marker

CATEGORIES	DAILY HOURS	DAILY TROUBLE HOURS	Cum. Hrs.
Rig Up & Skid Rig			
Tear Down, Moving, Etc.			
Trips			
Repair Cement Job			
Electric Wireline Logging, Perforating, Set. Plr., S. P., Ret., TT B P Etc.			
Lost Circulation			
Circ. Cond./Displ.			
Kill Well or Control Press			
Run Comp'l. String			
Install & Test Wellhead, BOP's Liner Casing, Etc.			
Gravel Pack, Sd, consid., - Acidize - Frac.			
Pick-up, Lay Down Work			
String Tbg., Etc.			
Well Testing			
Portable/Wireline			
Milling/Drig. CMT			
Washover - Fishing			
Elec., Line BK-Off, Chemcut Free Point, Etc.			
Wireline - Swabbing & "Slick line" Work			
Wait on Weather			
Orders, Tools, Etc.			
Plug & Abandon	13		
Washing Sd./Mud			
Rig Maint./Repairs			
Other			
Cumulative Totals			

TYPE MUD OR COMPLETION FLUID Fresh Water WEIGHT 8.33 VISCOSITY 26
 ZONE _____ PERFORATIONS MD _____ TVD _____

NO. BIT. MILL	SIZE	MFG.	TYPE	DEPTH-IN	DEPTH-OUT	FOOTAGE	HRS.	COND. BIT MILL		
								T	B	G

TUBING REPORT _____ PACKER DEPTHS: 1. _____ 2. _____ SSSV DEPTHS: 1. _____ 2. _____

NO. JTS. RUN	FOOTAGE RUN	SIZE	WEIGHT	GRADE	THREAD

SQUEEZES - TYPE CEMENT USED All cement is type 'G'

NO	DEPTH SQ TOOL	DEPTH ZONE SQ	BREAK DOWN PSI & RATE	NO. SXS MIXED	SXS LEFT IN CSG	FINAL PRESS	NO. SXS REVERSED	JOB COMPL.

PRODUCTION TEST

HRS. TIME	CK. SIZE	TBG. PRESS	CSG. PRESS	GAS MCFD	OIL/COND. BPD	WATER BPD	CI ppm

WELL COST

ACTIVITY	DAILY	CUMULATIVE
DRILLING		
EVALUATION		
COMPLETION		
MECH. TROUB.		
TOTAL		

WORK STRING: _____

CONTRACTOR & RIG NO. Wisco/Monument Well

Service Rig #8

TOC SUPV. Fred Strowbridge

DATE: 8/16/95

LEASE & WELL Rattlesnake Canyon DEPTH P & A

DAYS FROM SPUD _____

ACTIVITY at REPORT TIME Police Area

W/O RKB TO CHF _____ WATER DEPTH _____ DRLC. RKB TO CHF _____

DESCRIPTION DAILY ACTIVITY

07:00 Finish RDMO cement & water pump + trucks

08:30 - Police area

09:30 - Leave Location

CATEGORIES	DAILY HOURS	DAILY TROUBLE HOURS	Cum. Hrs.
Rig Up & Skid Rig			
Tear Down, Moving, Etc.			
Trips			
Repair Cement Job			
Electric Wireline Logging, Perforating, Set. Pkr., B. P. Ret., TT B P Etc.			
Lost Circulation			
Circ. Cond./Displ.			
Kill Well or Control Press			
Run Comp'l. String			
Install & Test Wellhead, BOP's Liner Casing, Etc.			
Gravel Pack, Sd, consid, - Acidize - Frac.			
Pick-up, Lay Down Work String Tbg., Etc.			
Well Testing			
Portable/Wireline			
Milling/Drig. CMT			
Washover - Fishing			
Elec., Line BK-Off, Chemcut Free Point, Etc.			
Wireline - Swabbing & "Slick line" Work			
Wait on Weather			
Orders, Tools, Etc.			
Plug & Abandon	2.5		
Washing Sd./Mud			
Rig Maint./Repairs			
Other			
Cumulative Totals			

TYPE MUD OR COMPLETION FLUID _____ WEIGHT _____ VISCOSITY _____
ZONE _____ PERFORATIONS MD _____ TVD _____

NO. BIT. MILL	SIZE	MFG.	TYPE	DEPTH-IN	DEPTH-OUT	FOOTAGE	HRS.	COND. BIT MILL		
								T	B	G

TUBING REPORT _____ PACKER DEPTHS: 1. _____ 2. _____ SSSV DEPTHS: 1. _____ 2. _____

NO. JTS. RUN	FOOTAGE RUN	SIZE	WEIGHT	GRADE	THREAD

SQUEEZES - TYPE CEMENT USED

NO	DEPTH SQ TOOL	DEPTH ZONE SQ	BREAK DOWN PSI & RATE	NO. SXS MIXED	SXS LEFT IN CSG	FINAL PRESS	NO. SXS REVERSED	JOB COMPL.

PRODUCTION TEST

HRS. TIME	CK. SIZE	TBG. PRESS	CSG. PRESS	GAS MCFD	OIL/COND. BPD	WATER BPD	Cl ppm

WELL COST

ACTIVITY	DAILY	CUMULATIVE
DRILLING		
EVALUATION		
COMPLETION		
MECH. TROUB.		
TOTAL		

WORK STRING: _____

CONTRACTOR & RIG NO. _____

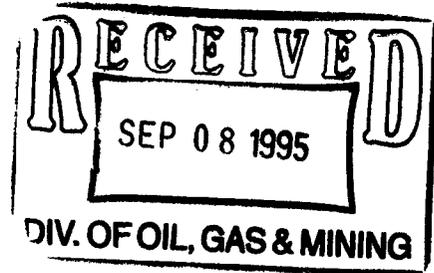
Tenneco Inc

Tenneco Building
P.O. Box 2511
Houston, Texas 77252-2511
(713) 757-2131



September 1, 1995

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



Attn: Mr. Frank Matthews

Dear Frank:

Please find attached copies of Tenneco Operations Reports, State of Utah Sundry Notices and Reports, Basin Concrete Delivery Ticket, and location photographs of the Rattlesnake Canyon 2-12 well that was plugged and abandoned on August 14-16, 1995. As I indicated on the operations reports, final location cleanup was performed the morning of August 16, 1995.

Should your office require any additional information or documentation concerning this operation, please contact me at (713) 757-1572. Your support during this project was greatly appreciated.

Best regards,

Fred Strowbridge
Fred Strowbridge

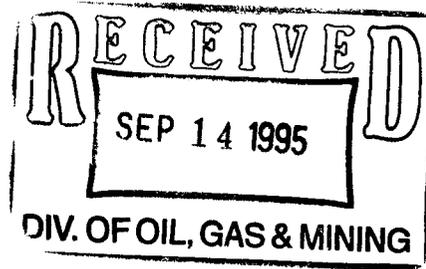
cc: Laurent Webb

Tenneco Inc

Tenneco Building
P.O. Box 2511
Houston, Texas 77252-2511
(713) 757-2131



September 11, 1995



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

Attn: Mr. Frank Matthews

Dear Frank:

Attached is the State of Utah Sundry Notice and Report form for the Rattlesnake Canyon #2-12 P & A completed on August 16, 1995. My apologies for the inadvertent omission of this document in the earlier correspondence. Again, your help with this project has been greatly appreciated.

Best regards,

/ Fred Stowbridge
Fred Stowbridge

cc: Laurent Webb

RECEIVED
SEP 14 1995

FORM 0

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

License Designation and Serial Number:
ML 2-694-45048
If Indian, Tribe or Tribe Name:

SUNDRY NOTICES AND REPORTS DIVISION OF OIL, GAS & MINING

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL GAS OTHER:

7. Well Agreement Name:
Rattlesnake Canyon

2. Name of Operator: Tenneco Oil Company

8. Well Name and Number:
Rattlesnake Canyon

3. Address and Telephone Number: 1010 Milam, Box 2511, Houston, TX 77002

9. API Well Number:
43-019-30809

4. Location of Well
Section: Sec 2, T19S, R19E
Footage: 1960.2' FSL, 1155.5' FWL
CO, Sec., T., R., U.:

10. Field and Pool, or Wildcat:
WC

County: Grand
State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Subject to Deposit)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT
(Subject Original Form Only)

- | | |
|--|---|
| <input checked="" type="checkbox"/> Abandon* | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of work completion August 16, 1995

Report results of Multiple Casing Zones and Reperforations to different intervals on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent data. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see attachments

13. Name & Signature: Fred Strawbridge

Title: Sr. Petroleum Engineer Date: 9-1-95

(This space for State use only)