

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

5. Lease Designation and Serial No.

ML - 27695

6. If Indian, Allottee or Tribe Name

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

7. Unit Agreement Name

Rattlesnake Canyon

8. Farm or Lease Name

State

Rattlesnake Canyon Unit

9. Well No.

16-4

10. Field and Pool, or Wildcat

Entrada, Wildcat

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

Sec 16, 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

373FNL, 196FWL NW NW

At proposed prod. zone

same as above

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

Approx. 21 miles NE of Green River, Utah

12. County or Parrish 13. State

Grand Utah

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

±1470'

16. No. of acres in lease

1828'

17. No. of acres assigned to this well

400

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

19. Proposed depth

±7450'

20. Rotary or cable tools

Rotary

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

Ground 6638'

22. Approx. date work will start*

May, 1981

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#	±300	Circ. to surface
12 1/4"	9 5/8"	36#	±1500'	Circ. to surface
8 3/4"	4 1/2"	10.5#, 11.6#	±7450'	Sufficient to cover all productive zones

Set 3 joints of 21" casing at ±120' to be used

See attached drilling procedure.

RECEIVED

APR 15 1981

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

DIVISION OF
OIL, GAS & MINING

DATE: 5-29-81
BY: M.A. Mishler

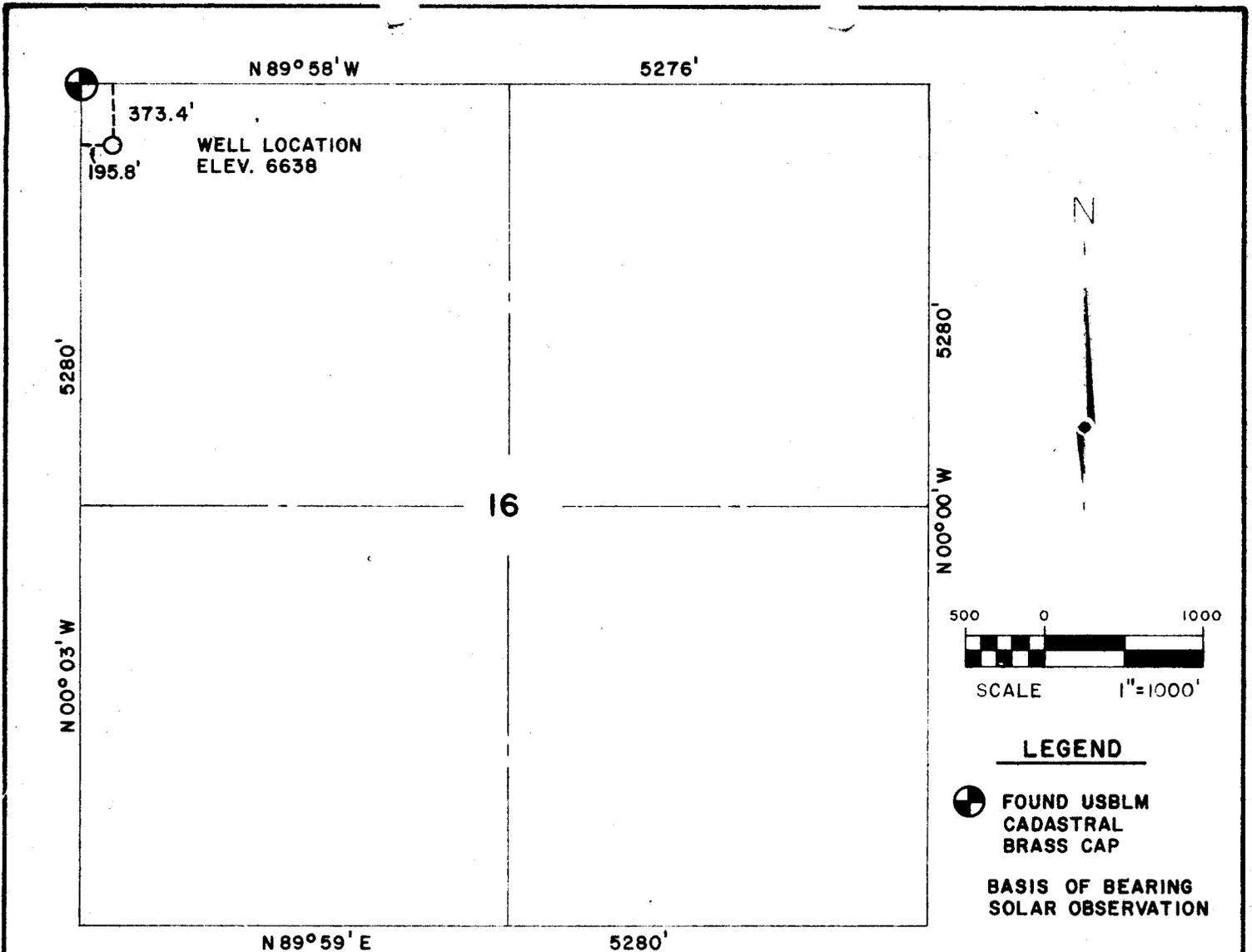
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed R.A. Mishler Title Sr. Production Analyst Date April 13, 1981
R.A. Mishler

(This space for Federal or State office use)

Permit No. 43-019-30804 Approval Date

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



WELL LOCATION
 373.4 FT. S.N.L. - 195.8 FT. E.W.L.
 SECTION 16, T.19S., R.19E., 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 P.E. & L.S. 4464



	ARMSTRONG, ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 1000 ROAD AVENUE GRAND JUNCTION, COLORADO 81505-2451 (863)	
	1"=1000'	TENNECO OIL
	3/30/81	RATTLESNAKE CANYON UNIT
	RLC	STATE 16-4
EAA	SHEET 1 of 1	JOB NUMBER
3/23/81		813286

DRILLING PROCEDURE

DATE: April 7, 1981

LEASE: Rattlesnake Canyon Unit State

WELL NO.: 16-4

LOCATION: 373' FNL, 196' FWL
Section 16, T19S, R19E
Grand County, Utah

FIELD: Wildcat

ELEVATION: 6638' (surveyed G.L.)

TOTAL DEPTH: 7450'

PROJECTED HORIZON: Entrada

SUBMITTED BY:

Tom Dunning

DATE:

4/7/81

APPROVED BY:

John W. Quinn

DATE:

4/8/81

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Wasatch		Surface
Mesaverde		850
Mancos		2550
Castlegate	(Gas or Water)	2665
Mancos B		
Dakota Silt		6500
Dakota	(Gas)	6635
Morrison	(Gas)	6880
Salt Wash		
Entrada	(Gas)	7400
TD		7450'

1. No abnormal pressures, temperatures or H₂S is anticipated on this hole. ✓
2. Reserve pit shall be fenced on 3 sides during drilling 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 + 300'.
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 + 1500' 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	<u>+</u> 120' (3 joints) 20"
Surface	300' 13 3/8", 54.5#, K-55, STC
Intermediate	1500' 9 5/8", 36#, K-55, STC
Production	7000' 4 1/2", 10.5#, K-55, ST&C 450', 4 1/2", 11.6#, K-55, ST&C

MUD PROGRAM

- 0-300 1. Fresh water, native solids, spud mud. Run frequent viscous sweeps to adequately clean hole.
- 300-1500 2. Anticipate drilling remainder of hole with air.
- 1500-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:

0-300 1^o
400-1500 2^o Surveys to be run every 500' or on trips, whichever comes first.

1500-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 setting depth.
(4) 6^o at T.D.

Samples: 20' samples, spud to TD.

Mud logs: 2-man unit, spud to TD.

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.

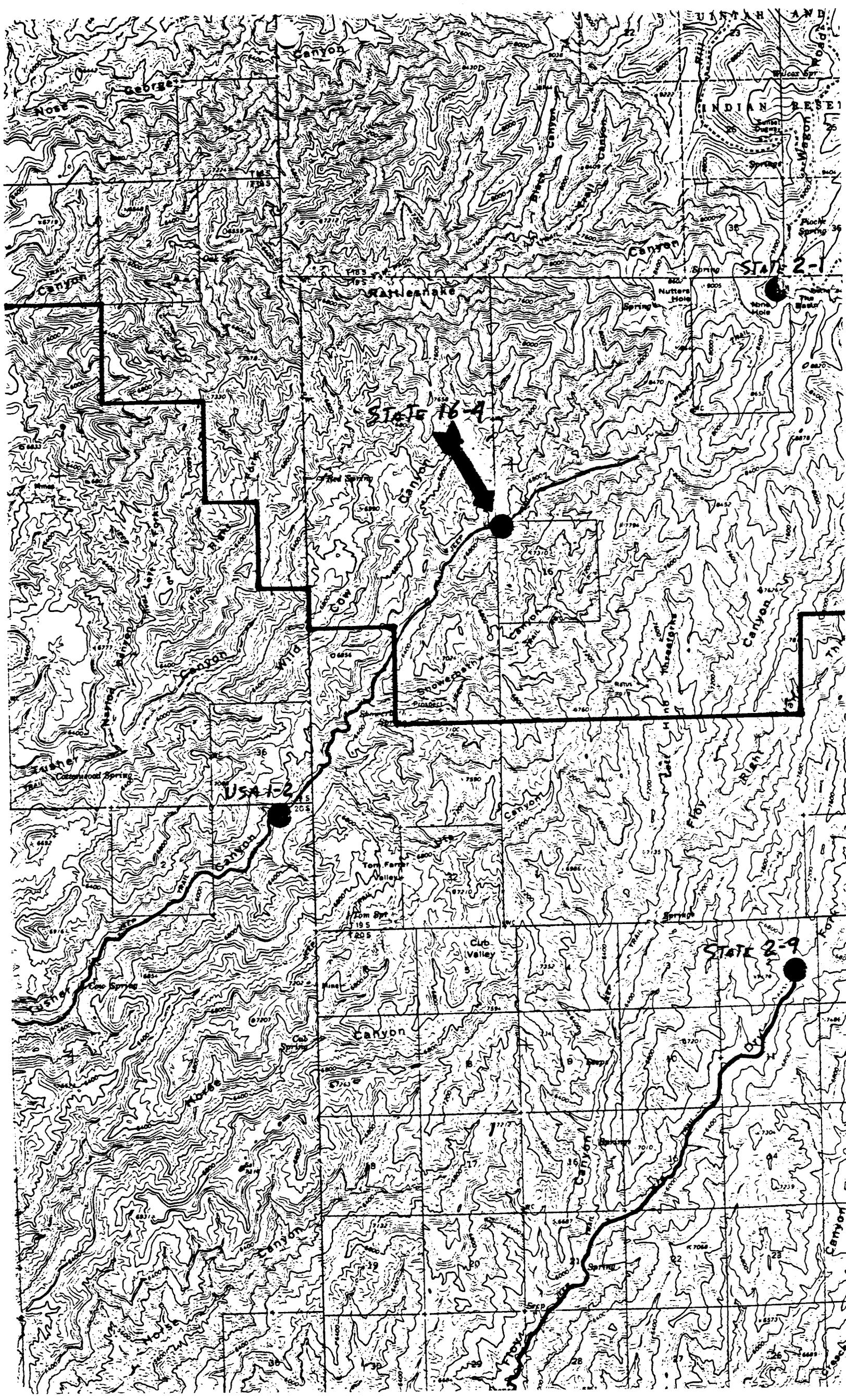
TENNECO OIL COMPANY
P.O. BOX 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

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 | | |



Rush

** FILE NOTATIONS **

DATE: May 11, 1981
OPERATOR: Tenneco Oil Company
WELL NO: ~~State 16-4~~ Rattlesnake Canyon 16-4
Location: Sec. 16 T. 19S R. 19E County: Grand

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

API Number 43-019-36804

CHECKED BY:

Petroleum Engineer: M. J. Minder 5-29-81

Director: _____

Administrative Aide: In Rattlesnake Canyon Unit -
of one boundary, all formations unitized

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 Plotted on Map

Hot Line P.I. Approval Letter Written

June 4, 1981

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

Re: Well No. Rattlesnake Canyon Unit 16-4
Sec. 16, T. 19S, R. 19E, NW NW
Grand County, 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 43-019-30805.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

MTM/ko

cc: State Land Board, Donald Prince

DIVISION OF OIL, GAS AND MINING

P

SPUDDING INFORMATION

NAME OF COMPANY: Tenneco Oil Company

WELL NAME: Rattlesnake Canyon Unit State #16-4

SECTION NW NW 16 TOWNSHIP 19S RANGE 19E COUNTY Grand

DRILLING CONTRACTOR Brinkerhoff

RIG # 32

SPUDDED: DATE 7-15-81

TIME 1:45 p.m.

How rotary

DRILLING WILL COMMENCE _____

REPORTED BY Chuck Stockman

TELEPHONE # 303-858-9481

DATE 7-16-81

SIGNED DB

**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: 373' FNL 196' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
ML-27695

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.
16-4

10. FIELD OR WILDCAT NAME
Entrada Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16, T19S R19E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6638' 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 checked="" 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.)

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.)*

7/15/81 - MIRURT. Well spud 7/15/81 w/Loffland rig #2-23.
7/18/81 - Run 9 jts 13-3/8" 54.5# K-55 ST&C csg. Set @ 342' Float collar @ 308'. Cmt w/20 bbl water ahead, 365/sx Class G + 3% CACL2 and 1/4# Celloflake. Circ cmt to surface.
7/19/81 - TIH. Unload. Drill cmt and shoe. Wet under surface. Drill w/air mist. Mud up. Change to flow line. TIH. PU jars ream 60'. Circ and cond mud.
7/23/81 - Ran 36 jts 9-5/8" 36# K-55 ST&C csg. shoe @ 1504'. Float collar @ 1469'. Cmt w/200 sx Class G neat w/3% CACL2, 1/4#/sx D-29. Tail w/200 sx Class G neat w/3% CACL2 1/4#/sx D-29. Float held ok. 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. Kane TITLE Production Analyst DATE 7/28/81

(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 test for oil or gas in a well to add to a different reservoir. Use Form 9-331-C for such proposals.)

RECEIVED
AUG 11 1981

1. oil well gas well other AUG 11 1981

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: 373' FNL 196' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
ML-27695

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.
16-4

10. FIELD OR WILDCAT NAME
Entrada Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16, T19S R19E

12. COUNTY OR PARISH Grand 13. STATE Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6638' 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.)

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.)*

7/24/81 - Install WH and test to 1000 psi. Test blind rams to 1000 psi.
7/25/81 - Install rotary rubber. Test pipe rams to 1000 psi. Drill out dry up dust to 9580'.
7/30/81 - Drilling. Mud up hole. Lost 700 bbls. TOOH. NU to mud. Drilling.
8/5/81 - TIH. Wash to TD. Drlg w/tite connecting. TOOH for hole in DP. TIH. TOOH for wash out in DP. TIH. Drill to 4010'. Lost circ. Pump 400 bbls.

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

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

SIGNED [Signature] TITLE Production Analyst DATE 8/7/81

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

303-243-3401

NAME OF COMPANY: Tenneco Oil Company Gary Clark

WELL NAME: Rattlesnake Canyon Unit #16-4

SECTION 16 TOWNSHIP 19S RANGE 19E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 7570'

CASING PROGRAM:

- 20" @ 39' Cement to Surface
- 13 3/8" @ 342' Cement to Surface
- 9 5/8" @ 1504' Cement to Surface
- 8 3/4" Open hole TD (9"-12" ave)

FORMATION TOPS:

- Mesaverde 1504'
- Castlegate 2309-2570' (SS&G)
- Dakota (silt) 6000'
- Dakota (sands) 6155'
- Morrison 6631'
- Salt Wash 7082'
- Entrada 7550'

PLUGS SET AS FOLLOWS:

- 1) 7570-~~7000~~ 6950'
- 2) 6200-6000'
- 3) 3400-3250'
- 4) 2570-2270'
- 5) 1600-1400'
- 6) 50- Surface

Cores: through Dakota; no water encountered or DST's taken; no perms.

9.2#, 50 vis gel based abandonment mud between plugs; erect regulation dryhole marker, clean, restore site.

DATE 8-23-81 SIGNED MTM *M. J. Menden*

CC: Tenneco Attn: Gary Clark

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 25695
2. NAME OF OPERATOR Tenneco Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
3. ADDRESS OF OPERATOR P.O. Box 3249, Englewood, CO 80155		7. UNIT AGREEMENT NAME Rattlesnake Canyon
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 373'FNL, 196'FWL		8. FARM OR LEASE NAME Rattlesnake Canyon State Unit
14. PERMIT NO. 43-019-30804	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6638' ground	9. WELL NO. 16-4
		10. FIELD AND POOL, OR WILDCAT Entrada, Wildcat
		11. SEC., T., R., M., OR B.LK. AND SURVEY OR AREA Sec 16, T19S, R19E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	
(Other) Plug and Abandon <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

8/24/81 - Verbal permission from Mike Mender at 8:00 a.m.

- 1. 7520-7670 65sxs G NFL-1 with 10% excess
- 2. 6950-7100 80sxs G NFL-1 with 10% excess
- 3. 6000-6200 150sxs G NFL-1 with 10% excess
- 4. 3330-3450 110sxs G Neat 10% excess
- 5. 2270-2570 225sxs G Neat 10% excess
- 6. 1400-1600 200sxs G Neat 10% excess
- 7. 50-surface 20sxs G Neat 10% excess

Mud wt 9.1 Vis 44

Rig Release 6:00 a.m. 8/25/81

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE 9-2-81
BY: M. J. Mender

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

SIGNED M. L. Freeman TITLE Administrative Supervisor DATE August 26, 1981
(This space for Federal or State office use)

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

MP&A

**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: 373 FNL 196 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 checked="" type="checkbox"/>
(other)		

5. LEASE
ML-27695

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.
16-4

10. FIELD OR WILDCAT NAME
Entrada Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 16, T19S R19E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6638' 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.)*

8/25/81 - Plug well as follows:

7520-7670 65 sx Cl-G
6950-7100 80 sx Cl-G
6000-6200 150 sx Cl-G
3330-3450 110 sx Cl-G
2270-2570 225 sx Cl-G
1400-1600 200 sx Cl-G
50-surface 20 sx Cl-G

RECEIVED
OCT 1 1981
DIVISION OF OIL, GAS & MINING

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

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

SIGNED *D. D. M. Han* TITLE Production Analyst DATE 9/3/81

(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

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
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 373' FNL 196' FWL

At top prod. interval reported below

At total depth

NW 1/4

RECEIVED
MAY 12 1981

14. PERMIT NO. 43-019-30804 | DATE ISSUED 5-29-81
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.

ML-27695

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Rattlesnake Canyon

8. FARM OR LEASE NAME

Rattlesnake Canyon Unit

9. WELL NO. State

16-4

10. FIELD AND POOL, OR WILDCAT

Entrada Wildcat

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

Sec. 16, T19S R19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

15. DATE SPUNDED 7/15/81 | 16. DATE T.D. REACHED | 17. DATE COMPL. (Ready to prod.) N/A | 18. ELEVATION (DF, REB, RT, GR, ETC.)* 6384L 6649 KB | 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 7670 | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A | 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN DI/SFL CPL NNFD *Sample* | 27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	342'	17-1/2"	365sx C1-G	
9-5/8"	36#	1504'	12-1/4"	400sx C1-G	

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.

N/A

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION N/A | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) P & A

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

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

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

35. LIST OF ATTACHMENTS

Electric logs to be forwarded by Schlumberger

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

SIGNED *David M. Lane* | TITLE Production Analyst | DATE 9/2/81

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



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 26, 1985

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

Gentlemen:

Re: Well No. Rattlesnake Canyon 16-4 - Sec. 16, T. 19S., R. 19E.,
Grand County, Utah - API # 43-019-30804

This letter is to advise you that Sec. 38, Geologic Markers, on the back side of the "Well Completion or Recompletion Report and Log" for the above referenced well was not filled in when this report was submitted.

Also, please include the information in #16 of the front side of the Well Completion report indicating the date TD was reached.

We are sure this was an oversight on your part and we request that you complete the enclosed Form OGC-3 and forward it to this office as soon as possible, but not later than December 10, 1985.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza

File

0170S/17