

Put to producing - 12/17/74

FILE NOTATIONS

Entered in NID File ...✓...
Location Map Pinned ...✓...
Card Indexed ...✓...

Checked by Chief *PWB*
Approval Letter *6-29-74*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *12-16-74*

Location Inspected

W...✓... WW..... TA.....

Bond released

SW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log...✓.....

Electric Log (W) ...✓.....

E..... Dual I Log..... CR-N..... Micro.....

BHC Sonic GR..... Log..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

Confidential Status Released 8-28-75

SW

Tenneco Oil
A Tenneco Company

Suite 1200
Lincoln Tower Building
Denver, Colorado 80203
(303) 292-9920



June 24, 1974

CONFIDENTIAL

U. S. Geological Survey
8416 Federal Building
Salt Lake City, Utah 84111

RE: Application for Permit to Drill
Little Valley No. 1
SE NW/4, Sec. 18, T37S, R2E
Garfield County, Utah

Gentlemen:

Attached are three copies each of the Application for Permit to Drill and Well Location Plat relative to the captioned well.

The water we use for drilling will come from the nearest available source. Waste disposal will be buried in the burn pit or reserve pit. There will be no camp or airstrip associated with the drilling of this well. Upon completion or abandonment of this well, the location will be cleaned and levelled and a dry hole marker placed, if applicable.

Yours very truly,

TENNECO OIL COMPANY

A handwritten signature in cursive script that reads "D. D. Myers".

D. D. Myers
Division Production Manager

PLR:hk

Attachs.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 Tenneco Oil Company

3. ADDRESS OF OPERATOR
 1200 Lincoln Tower Bldg., Denver, Colorado 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1985' FNL and 1965' FWL
 At proposed prod. zone

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

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

16. NO. OF ACRES IN LEASE
 1,111.71

17. NO. OF ACRES ASSIGNED TO THIS WELL
 151.71

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

19. PROPOSED DEPTH
 7,585' ✓

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 Kaibab 7,583' GR

22. APPROX. DATE WORK WILL START*
 July 20, 1974

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
* 15"	9-5/8"	36#	3000' ±	Sufficient to circulate to surface
8-3/4"	7"	20# & 23#	7585' ±	Sufficient to cover 500' above top of Kaibab.

*(If warranted by lost circulation, ream 15" hole to 18" and run 16" 65# casing as required)

Set and cement to surface 30' of 22" culvert pipe for conductor. Well to be drilled to approximate TD of 7585', log, run 7" casing to TD, casing will be perforated and formation treated as necessary to establish production. If coal is encountered 0' - 500', it will be cemented with 1" pipe as per U.S.G.S. instructions. A 2-1/16" parasite string to be run on outside of casing to 3000' ± to aerate returns. B.O.P. to be tested each 24 hours.

APPROVED BY DIVISION OF
 OIL & GAS CONSERVATION

DATE JUN 27 1974

BY *Colen B. Hughes*

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 *Saul L. Rogers* TITLE Sr. Production Clerk DATE 6/24/74

(This space for Federal or State office use)

PERMIT NO. 13-017-30067 APPROVAL DATE

APPROVED BY TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

COMPANY **TENNECO OIL COMPANY**

Well Name & No. **LITTLE VALLEY No. 1**

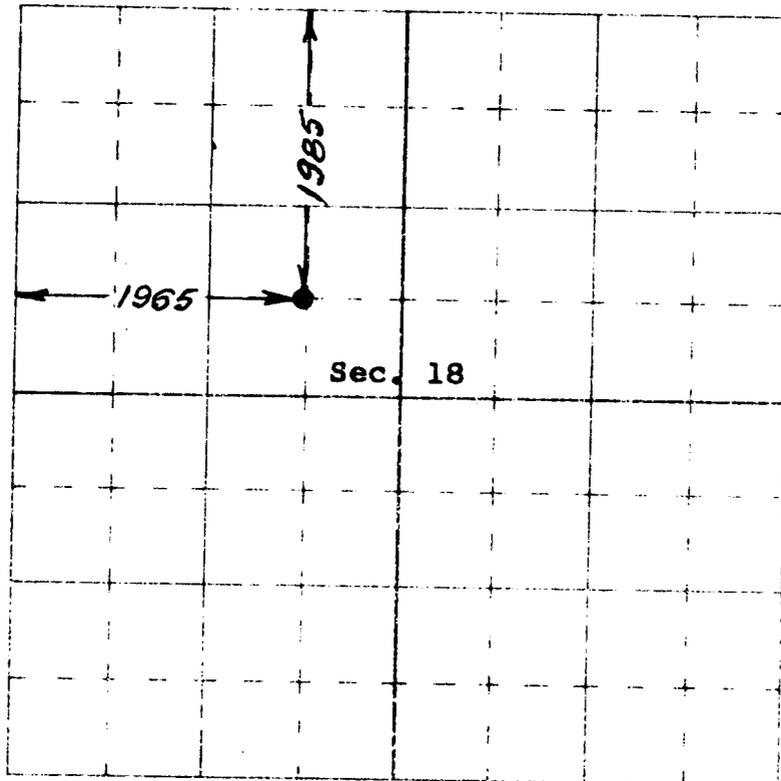
Lease No. **U-0128443**

Location **1985 FEET FROM THE NORTH LINE & 1965 FEET FROM THE WEST LINE**

Being in **SE NW**

Sec **18** T **37S**, R **2E**, S.L.M., Garfield County, Utah

Ground Elevation **7583'** ungraded



Scale - 4 inches equals 1 mile

Surveyed **12 June**

19 **74**

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



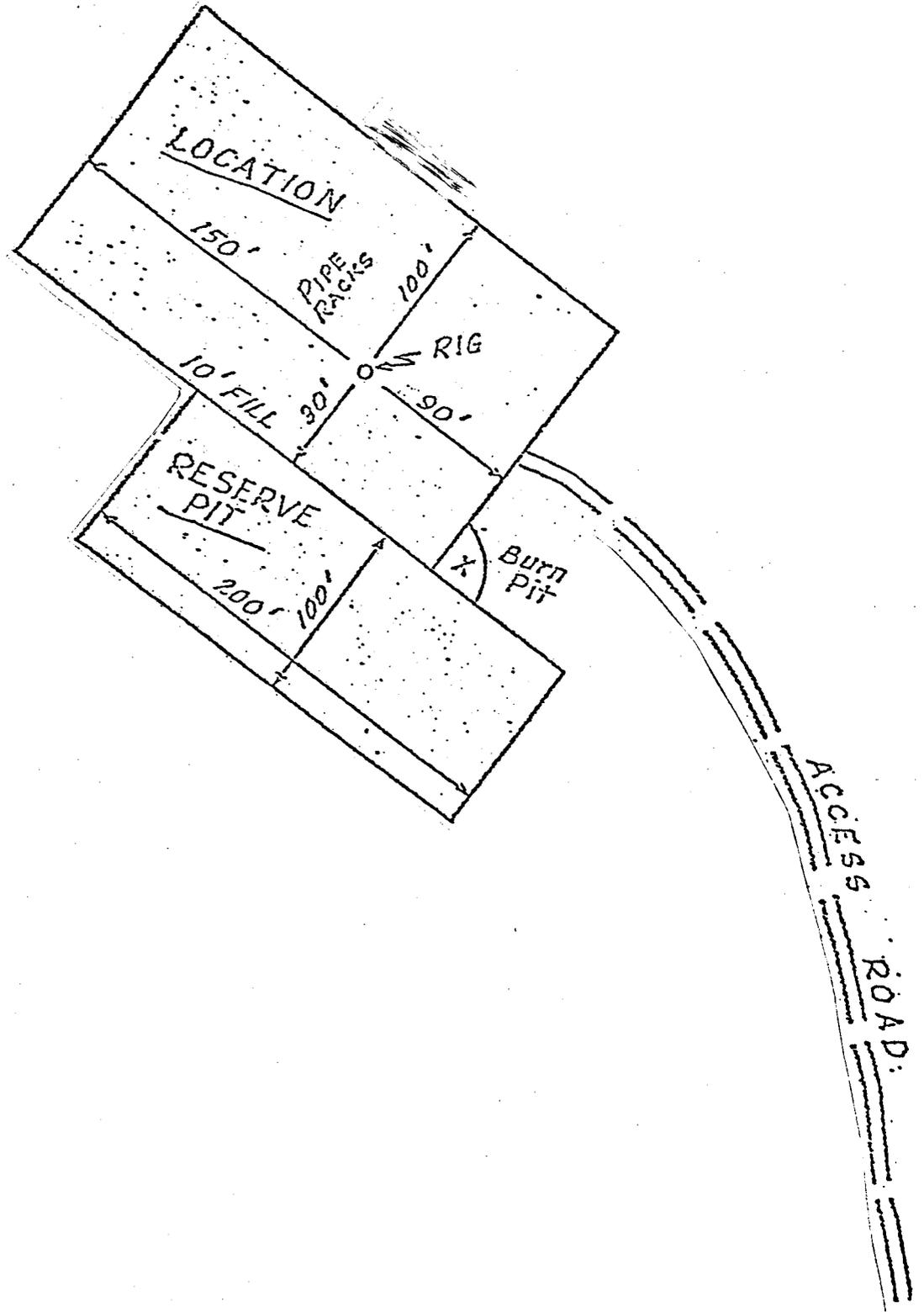
Registered Land Surveyor.

Robert H. Ernst

Colo. PE & LS 4979

N. Mex. PE & LS 2463

ERNST ENGINEERING CO.
Durango, Colorado



Form 9-1123

(Submit in Triplicate)

KINTZEL'S, CASPER

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of oil and gas lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-0128443

and hereby designates

NAME: Tenneco Oil Company
ADDRESS: Suite 1200, Lincoln Tower Building
Denver, Colorado 80203

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

T37S, R2E, SLM Utah
Section 18: Lots 1 & 2, E/2 NW/4
Garfield County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

Form Approved
Title Record

Evidence of Attorney in Fact is
filed in U-0142200
and such authority is
in effect.

SUN OIL COMPANY (DELAWARE)

By V. L. Smith
V. L. Smith, (Signature of lessee) Attorney in Fact

June 19, 1974
(Date)

P.O. Box 2039, Tulsa, Oklahoma 74102
(Address)

June 27, 1974

Tenneco Oil Company
1200 Lincoln Tower Bldg.
Denver, Colorado 80203

Re: Well No. Little Valley Fed. #1
Sec. 18, T. 37 S, R. 2 E,
Garfield County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the 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:

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

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

The API number assigned to this well is 43-017-30067.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sw

cc: U.S. Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN TR
(Other instructi
verse side)

CATE*
on re-

5. LEASE DESIGNATION AND SERIAL NO.

U-0128443

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
1200 Lincoln Tower Bldg., Denver, Colorado 80203

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

1985' FNL and 1965' FWL

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
7,583' GR

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONING

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

Spudded at 6:00 p.m., 9/13/74. Drilled 15" hole to 48'. Ran 2 1/2" Culyvert pipe after reaming hole to 26". Drilled 15" hole and ran 7 1/2" 9 5/8" 36# surface casing to 2993' with 830 sxs, 65-35-12 POZMIX, 200 s Glass x 2% CaCL. Float held, cement circulated.

CONFIDENTIAL

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

SIGNED D.C. Crawford

TITLE Senior Production Clerk

DATE 9/26/74

(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

Budget Bureau No. 42-R358.5.
LAND OFFICE Utah
LEASE NUMBER U-0128443
UNIT Little Valley

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 19 74,

Agent's address 1200 Lincoln Tower Bldg. Company Tenneco Oil Company
Denver, Colorado 80203 Signed Carley Matthews

Phone 292-9920 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
<u>NW NW</u> <u>18</u>	<u>37S</u>	<u>2E</u>	<u>1</u>							<u>W. O. Completion Uni</u>
<p>2 - U.S.G.S - Salt Lake 2 - State - Salt Lake</p> <p align="right">GAS (MCF) Sold _____ Went _____ Off Lease _____</p>										

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0128443

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Little Valley

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 18, T37S, R2E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
1200 Lincoln Tower Bldg., Denver, Colorado 80203

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

1985' FNL and 1965' FWL

14. PERMIT NO.

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

7,583' GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

10/22/74 - Ran 184 Jts. 7" casing, set and cemented at 7695 w/195 sxs. Good circulation. Rig Released.

CONFIDENTIAL

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

SIGNED

D.P. Crawford

TITLE

Senior Production Clerk

DATE

10/28/74

(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

LAND OFFICE Utah
LEASE NUMBER U-0128443
UNIT Little Valley

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of November, 1974,

Agent's address 1200 Lincoln Tower Bldg. Company Tenneco Oil Company
Denver, Colorado 80203 Signed Cady T. Tamm

Phone 292-9920 Agent's title Production Clerk

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL No.	Days Produced	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and reason of loss for gasoline content of pool)
NW NW 18	37S	2E	1							<p>The referenced well was perforated in the K-4 interval of the Kaibab formation and swabbing operations were carried out for the following two days with a recovery of 439 Bbls of water and no oil. The well was placed on pump and produced 4860 Bbls of water over the 5 day period from November 16 through November 20. The static bottom hole pressure at the sand face was determined to be ± 1859 psi and the produced water salinity 1100 to 1300 ppm chloride ion. The 1859 psi static pressure is approximately 450 psi greater than anticipated for the Kaibab and the water salinity is 6200 ppm less than expected. At this point, we feel that water is migrating behind pipe from the Navajo sandstone which is a prolific water sand (top @ ±3940') down to the Kaibab.</p> <p>Our present plans are to pull the pump and run a differential temperature survey to ascertain that water is migrating from the Navajo to the Kaibab. This work will begin on November 21, 1974.</p> <p>If the temperature survey does indicate communication, we will immediately proceed with a cement squeeze job in the interval of ± 6700' to establish a separation of zones. We anticipate that this workover will extend over the expiration date of November 30, 1974 on this lease.</p>
2 - U.S.G.S - Salt Lake 2 - State - Salt Lake							GAS: (MCF) Sold _____ Lent _____ /Off Lease _____			

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold; _____ runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

5. LEASE DESIGNATION AND SERIAL NO.

U-0128443

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1.

OIL WELL GAS WELL OTHER

7. UNIT AGREEMENT NAME

2. NAME OF OPERATOR

Tenneco Oil Company

8. FARM OR LEASE NAME

Little Valley

3. ADDRESS OF OPERATOR

1200 Lincoln Tower Building, Denver, Colorado 80203

9. WELL NO.

1

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

10. FIELD AND POOL, OR WILDCAT

Wildcat

1985' FNL and 1965' FWL

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

Sec. 18, T37S, R2E

14. PERMIT NO.

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

7,583 GR

12. COUNTY OR PARISH

Garfield

13. STATE

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)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

11-11-74 Perforated from 7630-7610, 2 JSPF

11-12-74 Perforated from 7610-7606, 2 JSPF

Acidized w/10,000 Gal 28% HCL in 3 stages
using 800# BAF Diverter, FBD 1700 PSI at
6 3/4 BPM, Final Inj. rate 9.5 BPM at 1500 PSI.

CONFIDENTIAL

CONFIDENTIAL

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

SIGNED D. C. Crawford

TITLE Sr. Production Clerk

DATE 12-2-74

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved
Budget Bureau No. 42-2142a

5. LEASE DESIGNATION AND SERIAL NO.

U-0128443

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.)

7. UNIT AGREEMENT NAME

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Tenneco Oil Company

8. FARM OR LEASE NAME

Little Valley

3. ADDRESS OF OPERATOR
1200 Lincoln Tower Building, Denver, Colorado 80203

9. WELL NO.

1

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

10. FIELD AND POOL, OR WILDCAT

Wildcat

1985' FNL and 1965' FWL

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

Sec. 18, T37S, R2E

14. PERMIT NO.

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

7,583

12. COUNTY OR PARISH

Garfield

13. STATE

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)

PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

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

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

12-6-74 - Perforate 7606-7630 Swabbed

12-8-74 Acidize Perforations w/8000 gal. ISDP 0,

CONFIDENTIAL

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

SIGNED A. P. Crawford

TITLE Senior Production Clerk

DATE 12-9-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

LAND OFFICE Utah LEASE NUMBER U-0128443 UNIT Little Valley

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Garfield Field Wildcat

The following is a correct report of operations and production (including drilling and producing wells) for the month of December, 1974

Agent's address 1200 Lincoln Tower Bldg. Denver, Colorado 80203 Company Tenneco Oil Company

Phone 292-9920 Signed D.P. Crawford Agent's title Production Clerk

Table with columns: SEC. AND 1/4 OF 1/4, TWP., RANGE, WELL NO., DAYS PRODUCED, BARRELS OF OIL, GRAVITY, CU. FT. OF GAS (In thousands), GALLONS OF GASOLINE RECOVERED, BARRELS OF WATER (If none, so state), REMARKS. Includes handwritten notes and a detailed production record for well 1 in Twp. 37S, Range 2E.

2 - U.S.G.S - Salt Lake 2 - State - Salt Lake

GAS (MCF) Sold None Mented Off Lease

NOTE.—There were 578 BBls runs or sales of oil; -0- M cu. ft. of gas sold;

runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other In-
structions on
reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-0128443

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Little Valley

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Little Valley

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

Sec. 18, T37S, R2E

12. COUNTY OR PARISH

Garfield

13. STATE

Utah

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

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

1860 Lincoln Tower Building, Denver, Colorado 80203

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

At surface 1985' FNL and 1965' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-017-30067

DATE ISSUED

6-27-74

15. DATE SPUDDED

9-13-74

16. DATE T.D. REACHED

10-20-74

17. DATE COMPL. (Ready to prod.)

12-16-74

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

7583 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

7695

21. PLUG, BACK T.D., MD & TVD

7654

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

0-7695

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

7606 - 7630

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE OF ELECTRIC AND OTHER LOGS RUN

BIL
BHC-CR EDC1CNL-GR

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	36#	2993	15"	1030 sxs, poz, Class "A"	Circulated
7	29 2/26#	7695	8 3/4"	195 sxs, chs "G" & CLS "A"	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	7556	-0-

31. PERFORATION RECORD (Interval, size and number)

7606-7630 2 JSPF
7602 (1 ft) 4 JSPF

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7606-7630	2 JSPF 10,000 Gal. HCL-Squeezed
6702	4 JSPF, Squeezed
7606-7630 (re Perf)	2: JSPF, 8,000 Gal, HCL

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)				WELL STATUS (Producing or shut-in)	
12-17-74		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
12-17-74	24		→	80	-0-	587	0
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
	0	→	80	0	587	18.5	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

None

TEST WITNESSED BY

Haynes Woolsey

35. LIST OF ATTACHMENTS

Logs

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

SIGNED

D.C. Crawford

TITLE

Senior Production Clerk

DATE

1-9-75

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

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

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Navajo	3940	5943	Sandstone, water productive by log
Kaibab	7415	TD 7695	Dolomite, oil and water by log and production tests

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Navajo	3940	
Chinlu	5943	
Shinavump	6536	
Moenkopi	6695	
Kaibab	7415	



REPORT OF WATER ANALYSIS



P

Company **TENNECO OIL COMPANY**
ESCALANTE, UTAH
DIST. 15

Date **17-Feb-76**
Analysis No. **76V242, A**
Sampling Date **2-3-76**
Date Sample Rec'd. **2-11-76**

Sample Marked **TENNECO LITTLE VALLEY Unit**

Karls formation

SE, NW, Sec. 18, T 37S, R 2E No. 1

DISSOLVED SOLIDS

Cations	mg/l	meq/l	RESULTS AS COMPOUNDS	mg/l
Sodium, Na (calc.)	5550.	241.	as NaCl	
Calcium, Ca	720.	36.0	as CaCO ₃	1800.
Magnesium, Mg	170.	14.0	as CaCO ₃	700.
Barium, Ba			as BaSO ₄	
Sum of Cations	6440.	291.		
Anions				
Chloride, Cl	6370.	180.	as NaCl	10500.
Sulfate, SO ₄	2810.	58.4	as Na ₂ SO ₄	4150.
Carbonate, CO ₃			as CaCO ₃	
Bicarbonate, HCO ₃	3250.	53.2	as CaCO ₃	2660.
Sum of Anions	12400.	291.		
Dis. Solids (calc.)	18900.			
Total Iron, Fe	1.4	.1	as Fe	1.4
Acid to Phen., CO ₂	273.	6.6X	as CaCO ₃	620.

OTHER PROPERTIES

Ph (units) **7.2**
Spec. Gravity (g/ml) **1.010**
Turbidity (jtu) **9.0**

CaCO₃ STABILITY INDEX

@ 70° F.
@ 120° F.
@ 160° F.
Method of Stiff & Davis

3 D. G. HASS
H. E. KING

Remarks:

NALCO CHEMICAL COMPANY
VISCO CHEMICALS

P. O. BOX 87 • SUGAR LAND, TEXAS 77478

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

082601

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Tenneco Oil Company		8. FARM OR LEASE NAME Little Valley	
3. ADDRESS OF OPERATOR P. O. Box 3119, Englewood, CO 80155		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State regulations. See also space 17 below.) At surface 1985' FNL, 1965' FWL		10. FIELD AND POOL, OR WILDCAT Upper Valley - Kaibab	
14. PERMIT NO. 43-017-30067		15. ELEVATIONS (Show whether SP, ST, OR, etc.) 7583' gr	
		12. COUNTY OR PARISH Garfield	13. STATE Utah

RECEIVED
AUG 22 1986

DIVISION OF
OIL, GAS & MINING

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) Spill <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Date of Spill: August 14, 1986 - 9:00 A.M.

Spill Reported: August 15, 1986

Amount of Spill: 30 Barrels of Oil

Amount Recovered: 28 Barrels of Oil

Cause: Motor leads burned out on transfer pump - oil stock tank.

Area or Property Threatened: N/A - inside pit dike.

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

SIGNED [Signature] TITLE Sr. Administrative Analyst DATE August 19, 1986

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)
302501

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

6

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0128443	
2. NAME OF OPERATOR Tenneco Oil Company		6. NAME OR LEASE NAME Little Valley	
3. ADDRESS OF OPERATOR P.O. Box 3119 Englewood, CO 80155		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1985' FNL, 1965' FWL		8. WELL NO. 1	
14. PERMIT NO. 43-017-30067		15. ELEVATIONS (Show whether SF, ST, GR, etc.) 7583' gr	
		9. FIELD AND POOL, OR WILDCAT Upper Valley-Kaibab	
		10. SEC., T., R., N., OR S.E.K. AND SURVEY OR AREA Sec 18 T37S R2E	
		11. COUNTY OR PARISH Garfield	
		12. 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"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

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

Date of Spill: 9/15/86 10:30 a.m.
Spill Reported: 9/15/86 4:40 p.m.
Amount of Spill: 8 bbls oil, 2 bbls salt water
Amount Recovered: 2 bbls oil, 0 bbls salt water
Cause: Corrosion - Oil Test Line
Area or Property Threatened: Adjacent Wash

RECEIVED
SEP 22 1986

DIVISION OF
OIL, GAS & MINING

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

SIGNED [Signature] TITLE Sr. Administrative Analyst DATE September 16, 1986

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

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

SUBMIT IN TRIPLICATE
(Or instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or to test for oil and gas in a reservoir. Use "APPLICATION FOR PERMIT—" for that purpose.)

RECEIVED
FEB 01 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-0128443 <i>POW-KBAB</i>																				
2. NAME OF OPERATOR Tenneco Oil Co. <i>No 950</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME 020431																				
3. ADDRESS OF OPERATOR P.O. Box 3249 Englewood, CO 80151		7. UNIT AGREEMENT NAME																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1985' FNL, 1965' FWL		8. FARM OR LEASE NAME Little Valley																				
14. PERMIT NO. <i>43-017-30067</i>	15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7583' GR	9. WELL NO. 1																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Upper Valley - Kaibab																				
<table style="width: 100%; border: none;"> <tr> <th colspan="2" style="text-align: left; border: none;">NOTICE OF INTENTION TO:</th> <th colspan="2" style="text-align: left; border: none;">SUBSEQUENT REPORT OF:</th> </tr> <tr> <td style="border: none;">TEST WATER SHUT-OFF <input type="checkbox"/></td> <td style="border: none;">PULL OR ALTER CASING <input type="checkbox"/></td> <td style="border: none;">WATER SHUT-OFF <input type="checkbox"/></td> <td style="border: none;">REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td style="border: none;">FRACTURE TREAT <input type="checkbox"/></td> <td style="border: none;">MULTIPLE COMPLETE <input type="checkbox"/></td> <td style="border: none;">FRACTURE TREATMENT <input type="checkbox"/></td> <td style="border: none;">ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td style="border: none;">SHOOT OR ACIDIZE <input type="checkbox"/></td> <td style="border: none;">ABANDON* <input type="checkbox"/></td> <td style="border: none;">SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td style="border: none;">ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td style="border: none;">REPAIR WELL <input type="checkbox"/></td> <td style="border: none;">CHANGE PLANS <input type="checkbox"/></td> <td style="border: none;">(Other) <u>Sale of Interest</u></td> <td style="border: none;"></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Sale of Interest</u>		11. SEC., T., R., M., OR BLK. AND SUBST OR AREA Sec 18 T37S, R2E
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		12. COUNTY OR PARISH Garfield																				
		13. STATE UT																				

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 Oil Company has sold its interest to the above referenced well to Citation Oil and Gas Corp. effective 9/1/87. Citation became operator effective 12/1/87.

No 265

Change of operator!

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

SIGNED *Steve Foster* TITLE Sr. Administrative Analyst DATE 1/27/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



March 27, 1992

Mr. Al McKee
Mineral Resources Division/BLM
P.O. Box 45155
Salt Lake City, UT 84145

RE: Upper Valley Unit and
Little Valley Lease →
Surface Commingling Request
Garfield Co., Utah

*Little Valley Fed #1
42-017-30067
Sec. 18 275, 20E*

Dear Sir:

Citation Oil & Gas Corp. presently operates the Upper Valley Unit and Little Valley Lease and maintains separate storage facilities on each. Citation would like to surface commingle this unit and lease, which would mean eliminating the Little Valley tank battery and commingling this production into the Upper Valley tank battery. For purposes of allocating production back to the Little Valley Lease, well tests will be performed at least once per month and production allocated accordingly.

Citation owns 100% of the Working Interest in both Upper Valley Unit and Little Valley Lease. The surface is U.S. Forest Service; however, we do not expect any additional surface disturbance in disconnecting the one Little Valley well from its tank battery and connecting it to the Upper Valley tank battery.

Citation respectfully requests approval from the BLM to surface commingle this unit and lease. If approval is granted, the spill potential risk will be reduced and operating costs substantially lowered which will allow increased recovery of reserves before reaching an uneconomical level with the field. Please advise if your office has any questions concerning this request.

Very truly yours,

Carole Favro
Production Administrative Manager

CF03241/ci

cc: M. Bing
K. Kane
Theron Mitchell/BLM
Utah DNR, Salt Lake City

RECEIVED

APR 02 1992

DIVISION OF
OIL GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0218443
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 772691		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1985' FNL & 1965' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 18 37S 2E		8. WELL NAME and NUMBER: Little Valley #1
PHONE NUMBER: (281) 517-7800		9. API NUMBER: 4301730067
COUNTY: Summit		10. FIELD AND POOL, OR WILDCAT: Little Valley
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>OAP & Acid Stimulate</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Citation Oil and Gas Corp. requests approval to OAP and acid stimulate the referenced well with attached procedure.

COPY SENT TO OPERATOR
Date: 1-6-2011
Initials: KS

NAME (PLEASE PRINT) <u>Bridget Lisenbe</u>	TITLE <u>Permitting Analyst</u>
SIGNATURE <u>Bridget Lisenbe</u>	DATE <u>12/20/2010</u>

(This space for State use only)
Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 1/3/2011
By: [Signature]

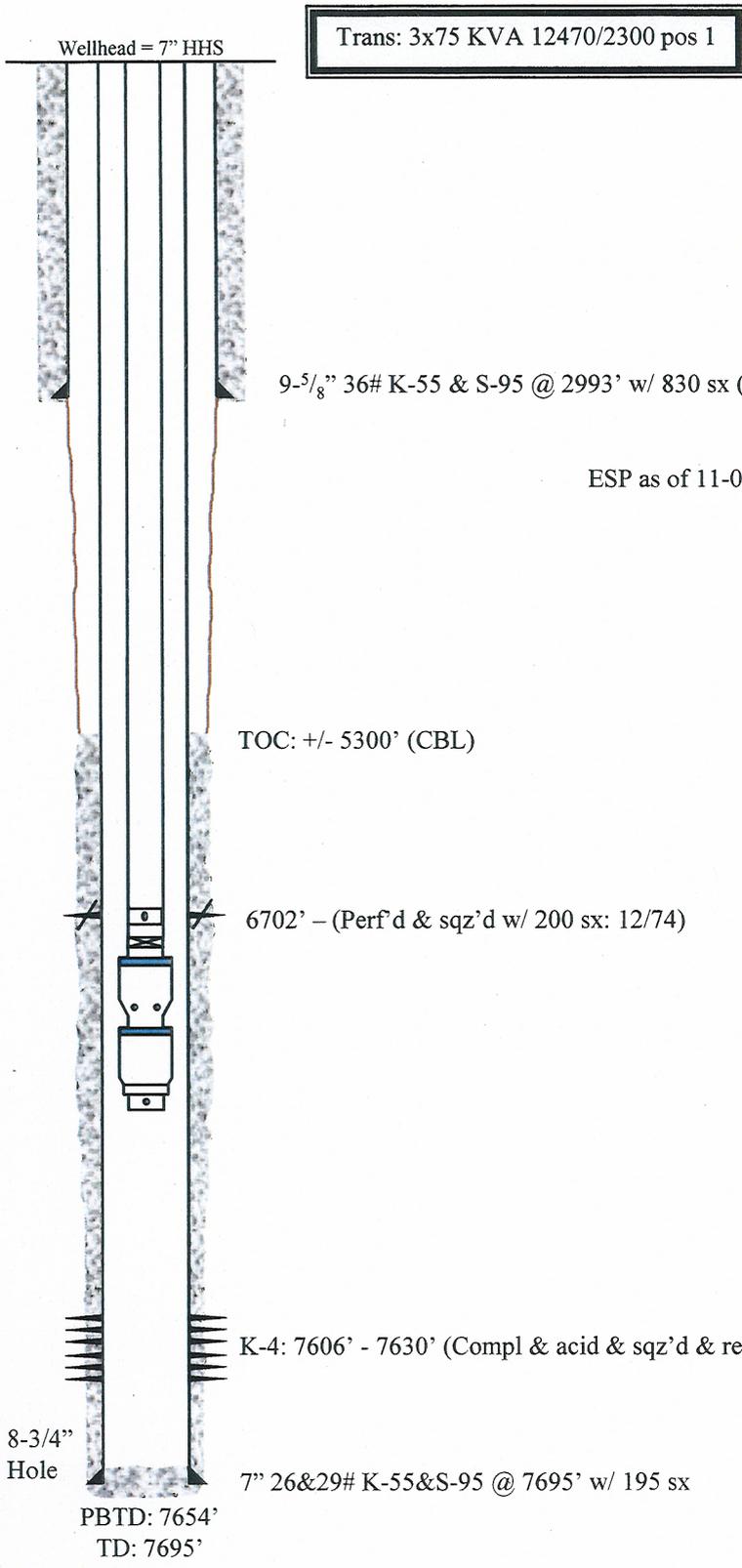
Federal Approval Of This
Action Is Necessary

RECEIVED
DEC 21 2010
DIV. OF OIL, GAS & MINING

CITATION OIL AND GAS CORPORATION WELLBORE DIAGRAM AND INFORMATION

Well Name: Little Valley #1 Field: Upper Valley Unit
 Updated: 11-16-01 BC Location: (SW/SE/NW) Sec. 18-T37S-R2E
 County: Garfield State: Utah
 Current Stat: SI -- Producing Oil Well (ESP)

Surface: 1985' FNL, 1965' FWL (SW/SE/NW)
 Sec. 18-T37S-R2E
 Garfield County, Utah
 Completed: 12/17/74
 Elevation: 7587'
 KB: 14'
 API #: 43-017-85427



RECEIVED
 DEC 21 2010
 DIV. OF OIL, GAS & MINING

WORKOVER PROCEDURE

PROJECT: Little Valley No. 1 – OAP and Acid Stimulate

DRILLED & COMPLETED: 12/74 LAST WO: 11/1/01 – Replaced and Upsized ESP

LOCATION: 1985' FNL, 1965' FWL, SW/SE/NW Sec. 18, T37S, R2E

FIELD: Upper Valley COUNTY: Garfield STATE: UT

TD: 7695' KB PBDT: 7654' KB DATUM: 7587' GL KB to GL: 14' KB

CASING AND LINER RECORD

SIZE	WT / GRADE	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
9 5/8"	36# / K-55	2993'	830 sx	15"	Surf.	Calculated
7"	23&29# K-80&S-95	7695'	195 sx	8 3/4"	6588'	±6000' FS (CBL 11/74)

PRESENT FORMATION AND COMPLETION: K-4 perfs (7606 – 7630) [24'-49 Holes] – (12/74).

TUBING: (236) jts 2 7/8" 6.5 ppf J-55 8rd EUE, Bleeder, (2) jts 2 7/8" tbg, Ck Valve, (2) jts 2 7/8" tbg, (1) 4-ft Tbg Sub, and ESP Pump (Intake @ 7545').

MISC.: Last pull 11/2001.

PROCEDURE

- Move in (5) jts 2 7/8" 6.5# N-80 8rd EUE tbg to tag fill.
- 1. MI RU PU. NU 3M BOP. Tally POOH & visually inspecting 2 7/8" 6.5# J-55 8rd production tbg.
- 2. PU & RIH w/ 6" MT bit, scraper & SN on 2 7/8" tbg to PBDT @ 7654'. Drop SV & PT tbg to 1500 psi (if tbg does NOT PT, POOH & look for HIT). Check tag depth for possible fill. LD extra tbg, scraper & bit.
- 3. MI RU WL Co. Run CBL Log from PBDT to 5000' FS. Evaluate CBL log before perforating.
- 4. RU Lubricator and RIH w/ 7" perf guns and perforate K1, K2, K3, & K4 zones at 2 spf and 180° phasing. Correlate depths to the Schlumberger Dual Induction-Laterolog dated 10-16-74.

Interval	Top	Bttm	Interval Height	No. of Holes
K1	7422'	7432'	10'	21
K1	7458'	7466'	8'	17
K2	7480'	7494'	14'	29
K3	7533'	7537'	4'	9
K3	7543'	7563'	20'	41
K4	7600'	7606'	6'	13
Total:			62'	130

RECEIVED
DEC 21 2010
DIV. OF OIL, GAS & MINING

- 5. POOH w/ perf gun. LD Lubricator. RD WL Truck.
- 6. PU & RIH w/ RBP & PKR on 2-7/8" prod tbg. Set RBP @ 7650'. Set PKR @ 7635' and PT RBP to 1000 psi.

7. Rlse PKR. PUH and set PKR @ 7575'.
8. **Acid stimulate K4 perfs f(7600' – 7630') [30'-62 holes] w/ 1600 gal 15% HCL AS acid.** Flush to bttm perf. (Set Max Pressure @ 3500 psi)
9. Rlse RBP & PKR. PUH & set RBP @ 7575' and PKR @ 7525'.
10. **Acid stimulate K3 perfs f(7533 – 7563') [30'-50 Holes] w/ 1600 gal 15% HCL AS acid.** Flush to bttm perf. (Set Max Pressure @ 3500 psi)
11. Rlse RBP & PKR. PUH & set RBP @ 7525' and PKR @ 7400'. Load BS and hold 350psi during last acid stage.
12. **Acid stimulate K1/K2 f(7422 – 7494') [72'-67 Holes] w/ 1800 gal 15% HCL AS acid.** Flush to bttm perf. (Set Max Pressure @ 4500 psi)
13. SI for 1 hr.
14. Rlse PKR @ 7350'. RIH to 7650' to knock out BS. POOH w/ PKR and LD.
15. PU & RIH w/ new ESP equipment & cable on 2 7/8" production tubing. Land BOM @ ± 7400'.
16. ND BOP. NU WH. Return well to production. Monitor production rates and FL's.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0218443
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Little Valley #1
2. NAME OF OPERATOR: Citation Oil & Gas Corp.		9. API NUMBER: 4301730067
3. ADDRESS OF OPERATOR: P O Box 690688 CITY Houston STATE TX ZIP 772691		PHONE NUMBER: (281) 891-1555
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1985' FNL & 1965' FWL		10. FIELD AND POOL, OR WILDCAT: Little Valley
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 18 37S 2E		COUNTY: Summit STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/24/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: OAP & Acid Stimulate
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU on 1/16/2011. POOH, lay dn pmps & motor. RIH & tally tbg, tag bottom @ 7632'. POOH w/ tbg. Ran in w/ wireline CBL tag bottom @ 7632'. RIH w/ perf fns shot six intervals from: 7606' to 7600', 6', 13 shots - K4 7563' to 7543', 20', 41 shots - K3 7537' to 7533', 4', 9 shots - K3 7494' to 7480', 14', 29 shots - K2 7466' to 7458', 8', 17 shots - K1 7432' to 7422', 10', 21shots - K1 Total 62', 130 shots. RIH w/ pkr on 2 7/8" tbg. Ran 7 jts of 2 7/8" tbg below pkr. Set pkr @ 7376'. EOT @ 7597'. Acidize perfs f/ 7422' - 7630' (K1,K2,K3,K4) w/ 2000 gals of 14% HCL acid dn 2 7/8" prod tbg @ 5 BPM. Flushed w/ 50 BW. Rel pkr & POOH. P/U RBP & new pkr & RIH. Set RBP & pkr above perfs & tested tools & tbg to 1000 # for 5 min. Rel tools & move DH to set RBP @ 7574' & pkr @ 7505'. Acidize perfs f/ 7533' - 7563' (K3) w/ 2000 gals 15% HCL acid dn 2 7/8" prod tbg @ 5 BPM. Flushed w/ 50 BW. Rel pkr & RBP & move up hole. Set RBP @ 7511' & pkr @ 7410'. Acidize perfs f/ 7422' - 7494' (K1&K2) w/ 2000 gals 15% HCL acid dn 2 7/8" prod tbg @ 3½ BPM. Rel plug & pkr POOH laid dn tools & rel tool hand. PU motor & pmps & started in hole. RIH w/ tbg. Pressure test, ok. RDMO on 1/24/2011

NAME (PLEASE PRINT) <u>Kimberly Moorhead</u>	TITLE <u>Completion Analyst</u>
SIGNATURE	DATE <u>2/24/2011</u>

(This space for State use only)

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