

Subsequent Report of Handman

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief *PMB*
Approval Letter *12-17-68*
Disapproval Letter

COMPLETION DATA:

Date Well Completed *4-14-69*
OW..... WW..... TA.....
GW..... OS..... PA. *✓*.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log *4-16-70*
Electric Logs (No.) *None*
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic GR..... Lat..... Mi-L..... Sonic.....
CLog..... CLog..... Others.....

Lup
10-24-90

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
14-070752

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
C.L. Keas

9. WELL NO.
Keas Fed No 4

10. FIELD AND POOL, OR WILDCAT
Hgate

11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA
Sec 5, T20S. R24E. S1M.

12. COUNTY OR PARISH 13. STATE
Grand Utah

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
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 N 7th Grand Junction Colorado 81501

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 890' From South Line And 1640 Ft From East Line of
At proposed prod. zone Sec 5, T20S. R24E. S1M. NE SW SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
8 mile North of Cisco Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
890' From South Line

16. NO. OF ACRES IN LEASE
480

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
600'

19. PROPOSED DEPTH
1725'

20. ROTARY OR CABLE TOOLS
Peterson

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Morrison Test

22. APPROX. DATE WORK WILL START*
Dec 1968

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Surface 8 7/8" Drill 6 7/8"	7" ✓		92' ✓	16 Sacks ✓

Need survey plat - Approx in accordance with Case # 2 - PWD

43-019-30027

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 Walter D. Broadhead TITLE operator DATE Dec 13, 1968

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

December 17, 1963

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Re: Well No. Keas Federal #4,
Sec. 5, T. 20 S., R. 24 E.,
Grand County, Utah.

Dear Mr. Broadhead:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with the Order issued in Cause No. 102-5 dated November 2, 1964. However, this approval is conditional upon a surveyor's plat being furnished this office in accordance with Rule C-4(a), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon said well, you are hereby requested to give advance notice of the date and time said plugging will take place to one of the following named individuals, by phone or otherwise, in order that our petroleum engineer may be present to inspect the manner in which the well is being plugged:

CLEON B. FEIGHT, Director
HOME: 466-4455 - Salt Lake City, Utah
OFFICE: 328-5771

PAUL W. BURCHELL, Chief Petroleum Engineer
OFFICE: 328-5771
HOME: 277-2890 - Salt Lake City, Utah

This approval terminates within 90 days if the well has not been spudded-in within said period.

Walter D. Broadhead

December 17, 1968

-2-

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

The API number assigned to this well is 43-019-30027 (see Bulletin D12 published by the American Petroleum Institute).

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sg

cc: U. S. Geological Survey
Rodney Smith, District Engineer
8416 Federal Building
Salt Lake City, Utah

January 22, 1969

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado

Re: Well No. Federal Cisco #2,
Sec. 29, T. 20 S., R. 24 E.,
For the months of November &
December. Well No. Keas Federal
#4, Sec. 5, T. 20 S., R. 24 E.,
For the month of December, 1968.

Dear Mr. Broadhead:

Our records indicate that you have not filed a Monthly Report of Operations for the month(s) mentioned above for the subject well. Rule C-22 (1), General Rules and Regulations and Rules of Practice and Procedure, Utah State Division of Oil and Gas Conservation requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1b, (U. S. Geological Survey 9-331, "Sundry Notices and Reports on Wells"), or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your cooperation with respect to this request is greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

Enclosure: Form OGC-1b

1588 West North Temple
Salt Lake City, Utah 84116
328-5771

April 29, 1969

Walter D. Broadhead
1645 North 7th Street
Grand Junction, Colorado 81501

Re: Well No. Keas Federal #4
Sec. 5, T. 20 S, R. 24 E,
Grand County, Utah

Gentlemen:

This letter is to advise you that the "Well Completion or Recompletion Report and Log" and electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this office as required by our rules and regulations.

Please complete the enclosed Forms OGC-3, "Well Completion or Recompletion Report and Log", in duplicate and forward them to this office as soon as possible. If electric and/or radioactivity logs were not run, please make a statement to this effect in order for us to keep our records accurate and complete.

Your cooperation in this matter will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

SHARON CAMERON
RECORDS CLERK

sc

Enclosure: Forms OGC-3

FORM OGC-8-X

FILE IN QUADRUPLICATE

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

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Keas 4
Operator Walter D. Broadhead Address 1645 N. 7 St. Grand Junction ^{Colorado} Phone 242-7117
Contractor " Address " Phone "
Location S 1/4 1/4 SF 1/4 Sec. 5 T. 20 R. 24 E E Grand County, Utah
S W

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops:

Well was drilled with mud, No water check made

Remarks:

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

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

U-070752

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

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL OR WILDCAT

11. SEC., Q., R., M., OR BLE. AND SURVEY OR AREA

12. COUNTY OR PARISH

13. STATE

1. OIL WELL GAS WELL OTHER *Dry hole*

2. NAME OF OPERATOR *Walter D. Broadhead*

3. ADDRESS OF OPERATOR *1645 N 7st Grand Junction Colorado*

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

*At surface
NE 1/4 SW 1/4 SE 1/4 Sec 5, T.20S, R.24E
890' N. of E. Line
1640' W. of E. Line*

14. PERMIT NO.

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

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREAT

MULTIPLE COMPLETE

FRACTURE TREATMENT

ALTERING CASING

SHOOT OR ACIDIZE

ABANDON*

SHOOTING OR ACIDIZING

ABANDONMENT*

REPAIR WELL

CHANGE PLANS

(Other)

(Other)

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

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

Well T.D. 1978' in the saltwash, there was no Buckhorn sand or No Bruskey Basin sand. Morrison topped at 1517' Suggest plugging with 10' sacks at the base of the Dakota sand starting at 1525' 15 sacks at the bottom of surface pipe 2 sacks at surface & marker

This program was suggested by Mr. Smith on the telephone April 15 1969

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

SIGNED *Walter D. Broadhead*

TITLE *operator*

DATE *May 10 1970*

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

PI

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.)

		5. LEASE DESIGNATION AND SERIAL NO. <u>U-070752</u>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Dry hole</u>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR <u>Walter D. Broadhead</u>		8. FARM OR LEASE NAME <u>C.L. Wees</u>
3. ADDRESS OF OPERATOR <u>1645 N 7th Grand Junction Colorado</u>		9. WELL NO. <u>17245 Fed No 4</u>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>NE⁴SW⁴SE⁴ Sec 5 T. 20S. R. 24E.</u> <u>890' N. of S. Line</u> <u>1640' W. of E. Line</u>		10. FIELD AND POOL, OR WILDCAT <u>17gate</u>
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec 5, T20S R24E</u>
15. ELEVATIONS (Show whether DF, RT, OR, etc.)		12. COUNTY OR PARISH <u>Grand</u>
		18. STATE <u>Utah</u>

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 checked="" type="checkbox"/>		
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		
(Other) _____					

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.)*

Well was plugged with 10 sacks of Cement at the 1525'
15 sacks cement 120' two sacks at surface
Cement Pumped in with using tubing & displaced with Mud
on April 16, 1969.

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

SIGNED Walter D. Broadhead TITLE operator DATE March 10, 1970

(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.

PI
13

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
Walter D. Broadhead

3. ADDRESS OF OPERATOR
1645 N 7st Grand Junction Colorado

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface *890' N of S line & 1640' west of E 2nd line*
NE 1/4 SW 1/4 SE 4 T 20S R 24E Sec 5
At top prod. interval reported below

At total depth

14. PERMIT NO. _____ DATE ISSUED _____

5. LEASE DESIGNATION AND SERIAL NO.
U-070752

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
C.L. Meas

9. WELL NO.
Meas Fed No 4

10. FIELD AND POOL, OR WILDCAT
Agate

11. SEC'T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 5 T. 20S R. 24E.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

15. DATE SPUNDED *Dec 15, 1968* 16. DATE T.D. REACHED *Apr 14, 1969* 17. DATE COMPL. (Ready to prod.) _____ 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* _____ 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD _____ 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)* _____ 25. WAS DIRECTIONAL SURVEY MADE _____

26. TYPE ELECTRIC AND OTHER LOGS RUN
No Logs Run

27. WAS WELL CORED
No Cores

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>7" Surface 92'</i>		<i>92'</i>	<i>9"</i>	<i>10 Sacks</i>	<i>None</i>

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

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

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

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

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

35. LIST OF ATTACHMENTS

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

SIGNED *Walter D. Broadhead* TITLE *operator* DATE *April 19, 1970*

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

INSTRUCTIONS

0/16/51 Hdy

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 38, 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		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Top soil	0	8	Sand	Marcus Shale	8'	
Shale	8	1470	Black to gray shale	Dakota BIT	1390	
Sand	1470	1517	White Sand with some shale	Morrison	1517	
Shale	1517	1960	Green to Red Shales	Seltzer	1960	
Sand	1960	1975	White Sand			
Shale	1975	1978	Red Shale			
		T.D.				