

1-25-72 Operator Changed From Cayman Corp. To Basin
Cottonwood

Confidential Released 3-20-73

FILE NOTATIONS

Entered in MID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter
P.W.B. 12-9-71

COMPLETION DATA:

Date Well Completed *6-21-72*
OW..... WI..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
BHC Sonic CR..... Lat..... Mi-L..... Sonic.....
CBLog..... CCLog..... Others.....

CAYMAN CORPORATION
SUITE 400 - LOCAL FEDERAL BUILDING
PARK AVENUE AT ROBINSON STREET
OKLAHOMA CITY, OKLAHOMA 73102

TELEPHONE 236-3501

AREA CODE 405

December 7, 1971

State Of Utah
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Re: FEDERAL UNIT NO. 1
1708' FWL & 660' FSL
Section 29-3S-20E
Uintah County, Utah

Gentlemen:

Attached in triplicate is your form DOGC-1a, Application For Permit To Drill, Deepen, Or Plug Back, and land plat showing the captioned location.

Yours very truly,

CAYMAN CORPORATION



D. R. Atteberry
Vice President

DRA:jb

Attachments (4)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

U-6663

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

FEDERAL

2. Name of Operator

CAYMAN CORPORATION

9. Well No.

†

3. Address of Operator

Suite 400 - Local Federal Building, Oklahoma City, Okla. 73102

10. Field and Pool, or Wildcat

W.C.

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

At surface

1708' FWL & 660' FSL of Section

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

29-T3S-R20E S.L.B.6M

At proposed prod. zone

Weber Sand

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

12. County or Parrish 13. State

Uintah Utah

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

660'

16. No. of acres in lease

2170.74

17. No. of acres assigned to this well

80

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

None

19. Proposed depth

6000'

20. Rotary or cable tools

Rotary

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

8430' G.L. on ungraded location - to be corrected.

22. Approx. date work will start*

Dec. 15, 1971

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17	13 7/8	48	530	400 sx. or circulate
8 3/4	4 1/2	10.5, 9.5	6000	250 sx.

Drill vertical hole to test Weber Sandstone, expected top at approximately 5000' in depth. Double gate hydraulic BOP's, 600 series or greater, will be used beneath surface casing. Surface casing will be tested to 1000 psi before drilling plug.

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 *J.R. Allberry* Title Vice President Date Dec. 7, 1971

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

DESIGNATION OF OPERATOR

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

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL No.: U-6663

and hereby designates

NAME: BASIN PETROLEUM CORP.
ADDRESS: 545 First National Center
Oklahoma City, Oklahoma 73102

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 Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 3 South, Range 20 East, Uintah County, Utah
Section 15: SW/4 SW/4
Section 17: S/2 NE/4, SE/4 NW/4, NW/4 SW/4, S/2 S/2, NE/4 SE/4
Section 18: SE/4 SW/4
Section 19: Lots 3, 4, 6, E/2 SW/4
Section 20: Lots 1-9, SW/4 NE/4, S/2 NW/4, SW/4
Section 21: Lots 1-8, NE/4, W/2 NW/4
Section 28: SE/4
Section 29: Lots 1-8, E/2 W/2, SW/4 NW/4, E/2 SE/4

Containing 2170.74 acres, more or less.

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 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 supervisor of any change in the designated operator.

Dec 9 1971
(Date)

Paul E. Riley
(Signature of lessee)
555-17th St, Rm 105
Denver, Colorado 80202
(Address)

AM

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

U-6663

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

FEDERAL

2. Name of Operator

CAYMAN CORPORATION

9. Well No.

1

3. Address of Operator

Suite 400 - Local Federal Building, Oklahoma City, Okla. 73102

10. Field and Pool, or Wildcat

W.C.

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

At surface

1708' FWL & 660' FSL of Section

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

At proposed prod. zone

Weber Sand

NW 35 SW

29-T3S-R20E S.L.B.&M

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

12. County or Parrish 13. State

Uintah

Utah

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

660'

16. No. of acres in lease

2170.74

17. No. of acres assigned to this well

80

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

None

19. Proposed depth

6000' ✓

20. Rotary or cable tools

Rotary

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

8430' G.L. on ungraded location - to be corrected.

22. Approx. date work will start*

Dec. 15, 1971

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17	13 7/8	48	530 ✓	400 sx. or circulate ✓
8 3/4	4 1/2	10.5, 9.5	6000	250 sx.

Drill vertical hole to test Weber Sandstone, expected top at approximately 5000' in depth. Double gate hydraulic BOP's, 600 series or greater, will be used beneath surface casing. Surface casing will be tested to 1000 psi before drilling plug. ✓

*Ob - On the spot
40' to far west*

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 *DR Alberty* Title Vice President Date Dec. 7, 1971

(This space for Federal or State office use)

Permit No. *43-047-30114* Approval Date

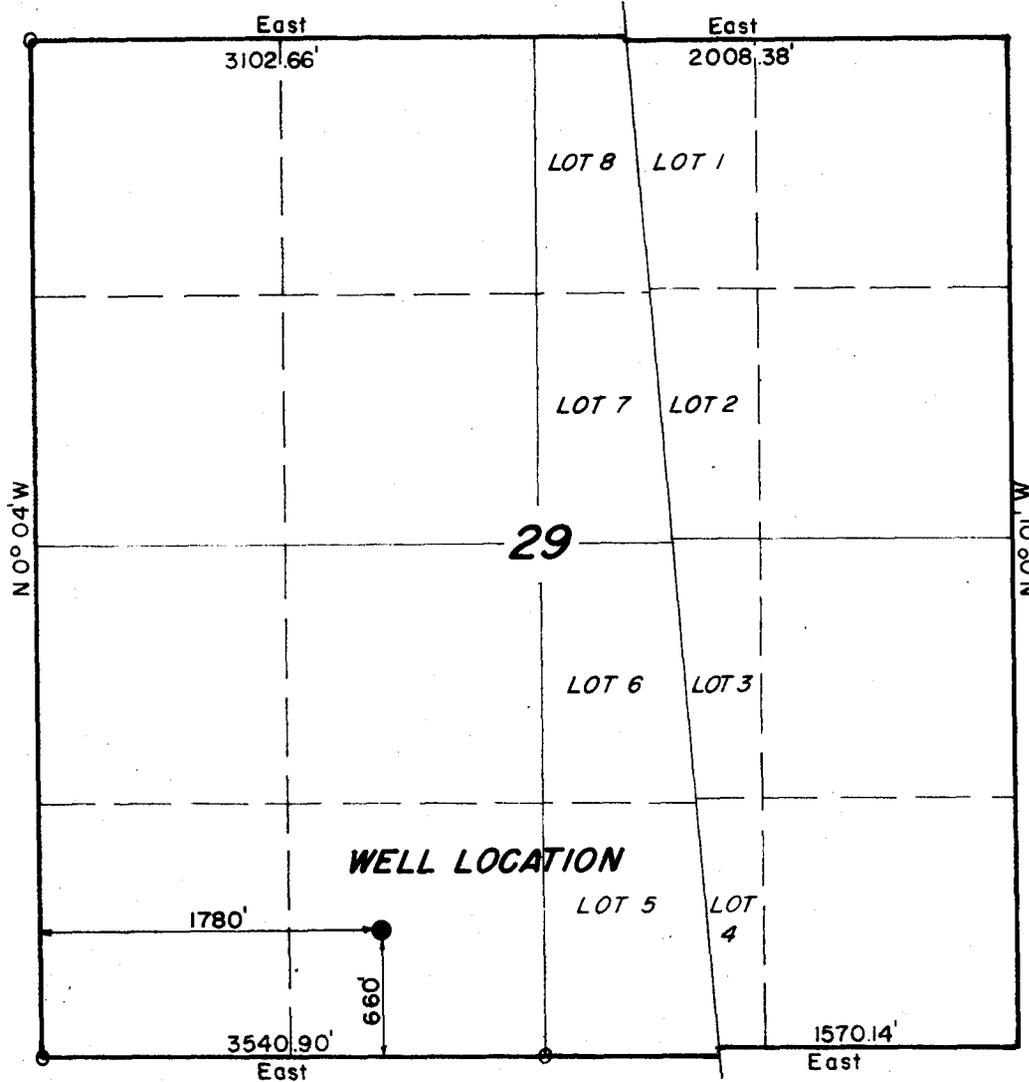
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

T3S, R20E, S.L.B.&M.

PROJECT

CAYMAN CORPORATION

Well location located as shown
in the SE 1/4 SW 1/4 Section 29,
T3S, R20E, S.L.B.&M. Uintah County,
Utah.



O = Section Corners Located (STONE)



CERTIFICATE

I HEREBY 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.

Lawrence R. Kelly

REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 3 Dec, 1971
PARTY L.C.K. R.K.	REFERENCES GLO Plat
WEATHER Fair	FILE CAYMAN CORPORATION

December 9, 1971

Cayman Corporation
Suite 400
Local Federal Building
Oklahoma City, Oklahoma 73102

Re: Well No. Federal No. 1
Sec. 29, T. 3 S, R. 20 E,
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. Said approval, however, is conditional upon this office receiving a written statement indicating the reason for this unorthodox location as well as, notification that your company owns all the acreage within a 660' radius of the proposed well site.

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.

The API number assigned to this well is 43-047-30114.

Very truly yours,

DIVISION OF OIL AND GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey

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

5. LEASE DESIGNATION AND SERIAL NO.
U-6663

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
RILEY-FEDERAL

9. WELL NO.
29-1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 29-T3S-R20E S.L.B.&M.

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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
 BASIN PETROLEUM CORP., OF NEW YORK

3. ADDRESS OF OPERATOR
 545 First National Center, Oklahoma City, Oklahoma 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1708' FWL & 660' FSL of Section
 At proposed prod. zone Weber Sand

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE 2170.74

17. NO. OF ACRES ASSIGNED TO THIS WELL 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None

19. PROPOSED DEPTH 6000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 8500' KB; 8588' GL

22. APPROX. DATE WORK WILL START*
 Dec. 20, 1971

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13-3/8"	48#	530'	400 sx or circulate
8-3/4"	4-1/2"	10.5# & 9.5#	6000'	250 sks.

Drill vertical hole to test Weber Sandstone, expected top at approximately 5000' in depth. Double gate hydraulic BOP's, 600 series or greater, will be used beneath surface casing. Surface casing will be tested to 1000 psi before drilling plug.

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION
DATE 1-25-72
BY C.F. Blackwood

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 Charles F. Blackwood TITLE Vice President, Oil & Gas DATE January 18, 1972

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

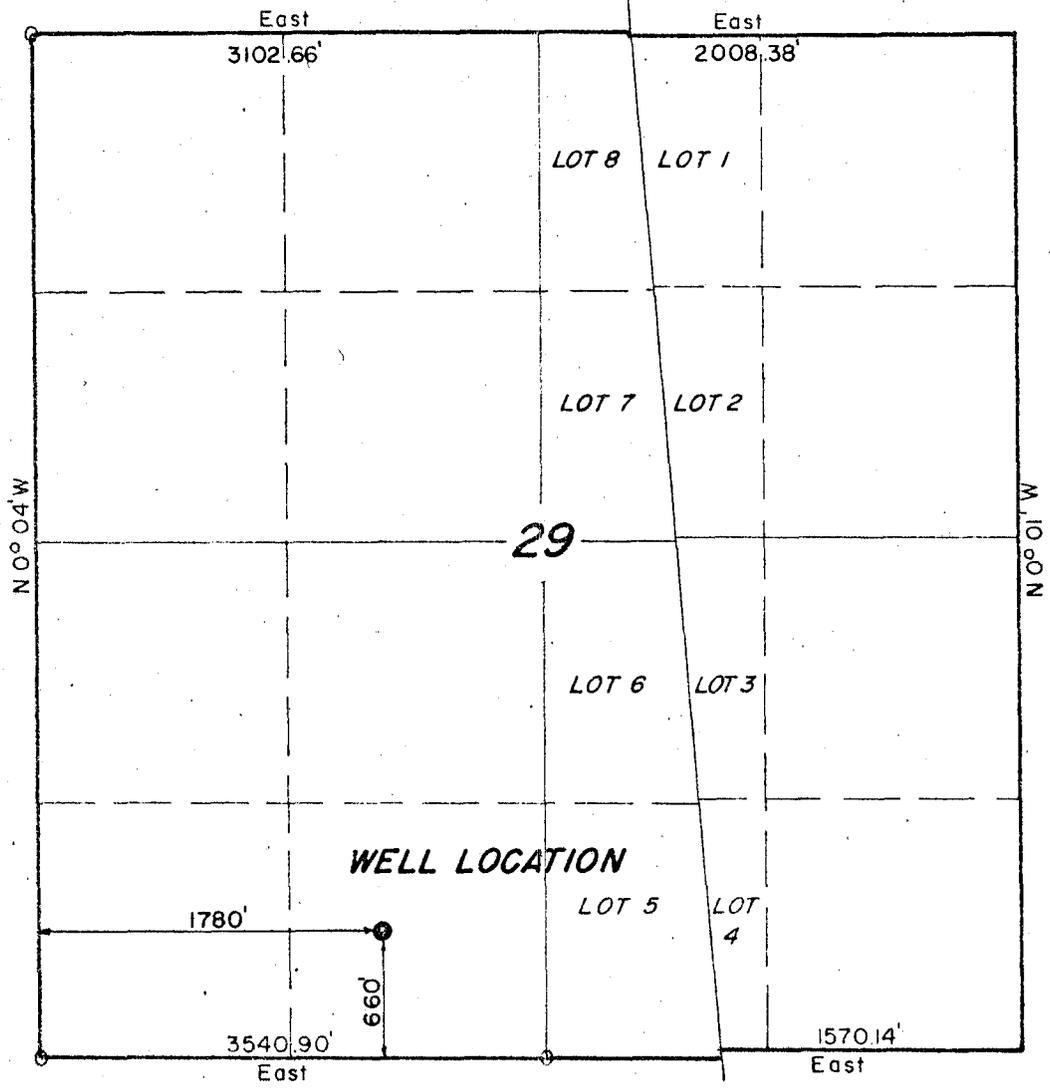
CONDITIONS OF APPROVAL, IF ANY:

T3S, R20E, S.L.B. & M.

BASIN PETROLEUM CORP.
PROJECT

~~CAYMAN CORPORATION~~

Well location located as shown
in the SE 1/4 SW 1/4 Section 29,
T3S, R20E, S.L.B. & M. Uintah County,
Utah.



O = Section Corners Located (STONE)



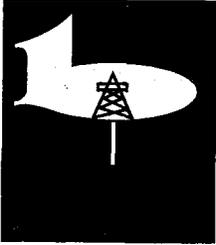
CERTIFICATE

I HEREBY 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

James C. Ray
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 3 Dec, 1971
PARTY L.C.K. R.K.	REFERENCES GLO Plot
WEATHER Fair	FILE CAYMAN CORPORATION



BASIN PETROLEUM CORP.

545 FIRST NATIONAL BUILDING • AC 405 235-8461 • OKLAHOMA CITY, OKLAHOMA 73102

January 18, 1972

RE: Change of Operator
Riley-Federal No. 29-1
SE SW Section 29-38-20E
Uintah County Utah

U. S. G. S.
8416 Federal Building
Salt Lake City, Utah 84111 Attention: Mr. Gerald R. Daniels

State of Utah ✓
Department of Natural Resources
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116 Attention: Mr. Scott Kurt

Gentlemen:

Cayman Corporation as Operator and Basin Petroleum Corp. of New York have jointly begun operations drilling the above referenced well. Because of their current work load Cayman Corporation has requested that Basin Petroleum Corp. take over the operations of said well.

We hereby request that you change the name of the Operator of the above referenced well to Basin Petroleum Corp., of New York effective immediately.

Copies of the Designation of Operator and Application For Permit To Drill (Form 9331-C) with surveyors plats attached are enclosed.

Yours very truly,

Charles F. Blackwood
Charles F. Blackwood
Vice President, Oil & Gas

CFB:ml

Enclosures as stated

cc: Mr. Don Atteberry
Cayman Corporation
Local Federal Building
Oklahoma City, Oklahoma 73102

Mr. Clayton Lee
Oklahoma City, Oklahoma 73102

PMB

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

January 28, 1972

Mr. Charles F. Blackwood
Basin Petroleum Corp. of New York
545 First National Center
Oklahoma City, Oklahoma 73102

Mr. Paul E. Riley
555-17th Street, Room 705
Denver, Colorado 80202

Re: Well 29-1 Riley-Federal
SE¹/₄SW¹/₄ sec. 29, T. 3 S., R. 20 E., S1M
Uintah County, Utah
lease U 6663

Gentlemen:

This office is returning Basin Petroleum Corporation's copy of the Application for Permit to Drill the referenced well which was accepted for the record to show the change in operator effective January 27, 1972.

Please be advised that this acceptance and also the approval of the original Application for Permit to Drill dated December 14, 1971, does not constitute approval of the acreage dedication shown in Block 17. Such dedication is neither approved nor rejected by this office until such time as the well has been completed.

This is to advise that this office has accepted Mr. Riley's Designation of Operator dated December 9, 1971, whereby he designated Basin Petroleum Corporation as operator for the entire lease. This Designation of Operator supersedes and cancels the Designation of Operator dated December 2, 1971, whereby Mr. Riley designated Cayman Corporation as operator for the entire lease.

Sincerely,

(ORIG. COPY) G. R. DANIELS

Gerald R. Daniels,
District Engineer

cc: Cayman Corporation
Suite 400 Local Fed. Bldg.
Park Avenue at Robinson St.
Oklahoma City, Oklahoma 73102

State Div. O&G Cons. ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-verse side)

Form approved.
Budget Bureau No. 42 R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-6663

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

Riley-Fed. 29-1

10. FIELD AND FOOT, OR WILDCAT
Wildcat

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

Sec. 29, T3S-R20E, SLM

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 Wildcat

2. NAME OF OPERATOR
Basin Petroleum Corp.

3. ADDRESS OF OPERATOR
545 First National Center, Oklahoma City, Okla., 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface C-SE-SW-29

Confidential

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
8520, gr., 8533.8, KB

12. COUNTY OR PARISH Uintah 13. STATE Utah

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

NOTICE OF INTENTION TO:

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 checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

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) <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.)*

Barker Drilling Co., Contractor, Vernal, Utah. Spud well 12-28-71. Drilled 17 1/2" hole to 596. Ran 13-3/8" surface casing to 596'. Cemented w/750 sx. Class "G" cement, 3% salt, 2% CaCl2, 100 sx of 53 RFC, Circ. 10 sx, lost returns. Ran 100 sx plug, type "g", w 2% CaCl2. Cem. w/500 sx of 2% CaCl2 & 200 sx reg. cem. No returns. Pumped 150 bbls mud in hole, ran 2 1/4" tubing & cem. @ 357' w/50 sx. Held ok. Wait 1 hr. Pumped 50 sx at 292.85. Held ok. Wait on cem. Press. up to 2000#. Drilled 8 3/4" hole to T.D. 5251'. Ran 159 jts. K-55, RaNge 2, ST & C, 10 1/2#, 4 1/2" csg to 5200' w/DV collar at 2032', float collar at 5156.5 & 4 baskets. Cem. in 2 stages. Stage 1: 190 sx "G" cem., 10% D-53 & 2% CaCl2 around shoe. Stage 2: 290 sx "G" cem. as above thru DV tool at 2032'. Rigged up preventers. Set Slips w/pipe in full suspension. Cut off & installed cross over spool & vales. Note: Lost all returns after pumping 54 sx on Stage 1. Rigged down. Well shut in awaiting completion rig and for Spring so that roads and location will be dry.

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

SIGNED Robert E. Covington
Robert E. Covington
(This space for Federal or State official use)

TITLE Geologist

DATE 2-16-72

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

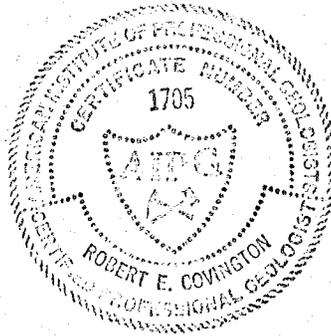
DATE _____

WELL HISTORY

BASIN PETROLEUM CORP.
RILEY - FED. #1-29
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SECTION 29
T3S - R20E, S.1.,M.
UINTAH COUNTY, UTAH

By

Robert E. Covington
Certified Professional Geologist
No. 1705



Vernal, Utah
February 16, 1972

BASIN PETROLEUM CORP.
RILEY - FED. #29 - 1
SE $\frac{1}{4}$ SW $\frac{1}{4}$ SECTION 29
T3S - R20 E, S.L.M.
UINTAH COUNTY, UTAH

WELL HISTORY

- 12-28-71 Spud 2:00 A.M. Barker Drilling Company, Vernal, Utah, Contractor. Elevation, ground: 8520. Elevation, K.B. 8533. Drilled 17 $\frac{1}{2}$ " surface hole to 139'.
- 12-29-72 Drilled 17 $\frac{1}{2}$ " hole to 247'.
- 12-30-72 Drilled 12 $\frac{1}{4}$ " hole from 247 to 366'.
- 12-31-72 Drilled 12 $\frac{1}{4}$ " hole to 463'.
- 1-1-72 Drilled 12 $\frac{1}{4}$ " hole from 463 to 500'. Drilled 11" hole from 500 to 552'. Lost circulation at 552'. Drilled 552-559'.
- 1-2-72 Drilled from 559 to 596'. Reamed hole to 17 $\frac{1}{2}$ " from 247 to 283'.
- 1-3-72 Reamed from 383 to 414'. Wind & snow blew floor shed away. Twisted off box at 414'. Went in with overshot & recovered fish.
- 1-4-72 Finished fishing. Reamed from 414 to 482', reaming 17 $\frac{1}{2}$ " hole.
- 1-5-72 Reamed from 482' to 596'.
- 1-6-72 Ran 13 3/8" casing to 596' for surface casing. Cemented with 750 sx class G cement, 3% salt, 2% CaCl₂, 175 sx class G, 2% calc., 100 sx of 53 RFC. Plug down 8:00 AM. Circ. 10 sx cem. then lost returns. Ran 100 sx plug of Type G w/2% calc. Cemented with 500 sx of 2% calc. & 200 sx reg. No returns.
- 1-7-72 Pumped 150 bbls mud in hole & filled hole. Ran 1 $\frac{1}{4}$ " tubing to 357.75'. Circulated hole and cemented at 357' with 50 sx. Pulled up 4 joints. Held ok. Waited 1 hr. Pumped 50 sx at 292.85'. Held ok. Waited on cement. Welded on spool.

Well History, Contd.

- 1-8-72 Finished welding on spool. Pressured up to 2000#. Held ok. Nippled up, Drilled mouse hole. Tested blind rams to 1500# for 10". Held ok. Hole took 100 bbls. to fill. Tested BOP to 1500#, ok. Tested pipe rams 1000# psi, ok. Drilled cement & shoe. Drilled 8 3/4" hole from 596 to 646'.
- 1-9-72 Drilled 8 3/4" hole from 646 - 685'. Lost circulation. Pumped in 250 barrels mud. Pulled 3 stands. Pumped in 300 bbls mud. No returns. Tripped out of hole & mix mud & poured sawdust pill through rotary. Pumped in hole and filled same. Tripped in hole and circulated. Drilled from 685 - 688'.
- 1-10-72 Drilled from 688 - 769'.
- 1-11-72 Drilled from 769 - 1031'. Lost circulation. Pulled back up in casing. Pumped in 300 bbls mud. Mixed mud & pumped in 200 bbls. Mixed mud & pumped in 100 bbls. Mixed and pumped in 100 bbls mud.
- 1-12-72 T.D. 1031. Pumped in 200 bbls. Mixed mud & pumped in 150 bbls. No returns. Made short trip, mixed and pumped mud. Lost 75 bbls. Tripped out & ran Schlumberger temperature survey. Rigged up to cement.
- 1-13-72 Squeezed hole with 60 sx at 725' and with 100 sx at 605'. Pumped in 200 bbls mud, no returns. Squeezed with 90 sx at 702'. Waiting on cement 5 hrs. Tripped in hole, tagged cement at 598'. Conditioned mud. Drilled cement from 598 to 645'.
- 1-14-72 Drilled cement from 645 to 675'. Washed to bottom and conditioned mud. Drilled from 1031 to 1470'.
- 1-15-72 Ran DST #1. Drilled 1470 - 1625'. Lost circulation, 425 bbls. Mixed mud, got returns. Drilled 1625-1761'.
- 1-16-72 Drilled from 1761 - 1908'.
- 1-17-72 Drilled 1908 - 2150'.
- 1-18-72 Drilled 2150 - 2345'.
- 1-19-72 Drilled 2345 - 2802'.

Well History, Contd.:

1-20-72 Drilled 2802 - 3128'.
1-21-72 Drilled 3128 - 3222'. Ran DST #2.
1-22-72 Drilled 3222 - 3671'.
1-23-72 Drilled 3671 - 3877'. Lost circulation @ 3877'.
1-24-72 Drilled 3877 - 4035'.
1-25-72 Drilled 4035 - 4185'.
1-26-72 Drilled 4185 - 4373'.
1-27-72 Drilled 4373 - 4538'.
1-28-72 Drilled 4538 - 4611'.
1-29-72 Drilled 4611 - 4742'.
1-30-72 Drilled 4742 - 4863'.
1-31-72 Drilled 4863 - 4974'.
2-1-72 Drilled 4974 - 5069'. Circulated for samples @ 5040'.
2-2-72 Drilled 5069 - 5174'.
2-3-72 Drilled 5174 - 5251'. Stuck pipe. Rigged up driving tool.
2-4-72 Drove on stuck pipe, worked pipe. Spotted oil.
2-5-72 Drove pipe. Ran free point. Ran back up shot. Backed off, tripped out of hole..
2-6-72 Finished tripping out of hole. Ran in w/wash pipe, tripped out, went in with bit, washed and reamed hole to top of fish, tripped out with bit, went in hole with wash over pipe, tripped out, tripped in to top of fish and circulated.
2-7-72 Tripped out of hole with bit. Went in hole with spear, wash pipe and jars. Got over fish, screwed into fish with spear, washed over and came out of hole with tools. Tripped in hole with fishing tools, loosened fish, tripped out and laid down spear.

Well History, Contd.:

- 2-8-72 Tripped in hole with jars, bumper sub and washed to top of fish. Fished at 4719 as fish fell to bottom. Jarred on fish, pulled fish out of hole. Tripped in hole. Mixed mud, trying to break circulation.
- 2-9-72 Mixed mud for lost circulation. Pumped 750 bbls in hole trying to regain. Rigged up for logging.
- 2-10-72 Washed to bottom to condition hole for Schlumberger logging. Pumped 150 bbls mud on bottom. Tripped out and logged hole. Waited on orders 9 hrs.
- 2-11-72 Waited on orders 10 hrs. Laid down drill pipe. Waited on casing. Unnipped and waited on casing.
- 2-12-72 Waited on casing. Ran 4½" casing as follows:
Ran 159 joints of K-55, 10½#, 4½" casing to 5200' with DV tool at 2032', float collar at 5165.5 and 4 baskets across possible pay zones. Cemented with Dowell in 2 stages.

Stage 1: Used 190 sx "G" cement, 10% D-53 and 2% CaCl₂ around shoe.

Stage 2: Used 290 sx "G" cement, 10% D-53 and 2% CaCl₂ thru DV tool at 2032'. Plug down at 3:30 P.M. Rigged up preventers. Set slips with pipe in full suspension. Cut off and installed cross over spool and valve. Note: Lost all returns after pumping 54 sx on Stage 1. Rigged down. Shut well in for completion in Spring or early summer when snow and ice have melted and ground is dry.

T.D. 5251'.

FORMATION TOPS

<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION,</u> <u>MEAN SEA</u>	<u>THICK.</u>
Bishop Congl.	Surface	+8520	100'
Duchesne River	100'	+8420	720
Mancos	820	+7700	425
Frontier ss mem.	1245	+7275	200
Mowry sh.	1445	+7075	153
Dakota ss.	1598	+6922	112
Morrison	1710	+6810	900
Curtis	2610	+5910	170
Entrada ss.	2780	+5740	255
Carmel	3035	+5485	105
Navajo ss.	3140	+5380	880
Chinle	4020	+4500	110
Shinarump cong.	4230	+4290	55
Moenkopi	4285	+4235	400
Phosphoria	4865	+3655	123
Weber ss.	4988	+3532	--

HOLE DEVIATION

<u>DEPTH</u>	<u>DEVIATION DEGREES</u>
82 feet	3/4
130 feet	3/4
190 feet	1/2
247 feet	1/2
371 feet	1/2
500 feet	3/4
685 feet	1 1/2
700 feet	1-3/4
740 feet	1
800 feet	3/4
923 feet	1
1200 feet	3/4
1470 feet	3/4
1832 feet	2
1895 feet	2 1/4
1965 feet	2
2024 feet	2
2145 feet	1-3/4
2283 feet	2
2410 feet	2
2625 feet	2

HOLE DEVIATION

<u>DEPTH</u>	<u>DEVIATION DEGREES</u>
2884 feet	2 $\frac{1}{4}$
3025 feet	3
3138 feet	3
3268 feet	2-3/4
3678 feet	4
3883 feet	4 $\frac{1}{2}$
4035 feet	4 $\frac{1}{4}$
4300 feet	4
4490 feet	4 $\frac{1}{4}$
4760 feet	5
4960 feet	5 $\frac{1}{4}$

BIT RECORD

<u>Bit No.</u>	<u>SIZE</u>	<u>Depth In</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hrs.</u>	<u>Type</u>
1	17 $\frac{1}{2}$	Surface	190 ft.	190	21	Smith DTJ
2	17 $\frac{1}{2}$	190 ft	247 ft	57	10-3/4	Reed RT
3	12 $\frac{1}{4}$	247 ft	327 ft	80	10	HTC-RT
4	12 $\frac{1}{4}$	327 ft	394 ft	67	11	Sec. M4N
5	12 $\frac{1}{4}$	394 ft	442 ft	48	9 $\frac{1}{4}$	Sec. RR
6	12 $\frac{1}{4}$	442 ft	500 ft	58	9 3/4	HTC-OSC-1
7	11	500 ft	596 ft	96	11	Smith T-2
8	17 $\frac{1}{2}$	247 ft	402 ft	155	14 $\frac{1}{2}$	HTC W-7
9	17 $\frac{1}{2}$	402 ft	461 ft	59	10 3/4	Reed RR
10	17 $\frac{1}{2}$	461 ft	537 ft	76	17 $\frac{1}{4}$	Retip
11	17 $\frac{1}{2}$	537 ft	596 ft	59	6 $\frac{1}{2}$	Retip
1	8 3/4	596 ft	685 ft	99	5 3/4	Sec. M4N (RR)
2	8 3/4	685 ft	701 ft	16	6 $\frac{1}{4}$	Reed YHW (RR)
3	8 3/4	701 ft	923 ft	222	25	Reed SCM5 (RR)
4	8 3/4	923 ft	1470 ft	547	14 $\frac{1}{4}$	STC DG-1J (RR)
5	8 3/4	1470 ft	1832 ft	362	13 $\frac{1}{4}$	Reed SIGJ
6	8 3/4	1832 ft	2283 ft	443	43	STC 3JS
7	8 3/4	2283 ft	2625 ft	342	15 3/4	HTC OSC-1G
8	8 3/4	2625 ft	3025 ft	400	15 3/4	STC DGTH
9	8 3/4	3025 ft	3138 ft	113	10 $\frac{1}{2}$	Sec S4TJ

BIT RECORD

<u>Bit No.</u>	<u>Size</u>	<u>Depth In</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hrs.</u>	<u>Type</u>
10	8 3/4	3138 ft	3268 ft	130	24 $\frac{1}{2}$	Sec S4T
11	8 3/4	3268 ft	3678 ft	410	15 $\frac{1}{2}$	Smith DG
12	8 3/4	3678 ft	3883 ft	215	15 3/4	Smith DTG-5
13	8 3/4	3883 ft	4035 ft	152	12	HTC C1C
14	8 3/4	4035 ft	4146 ft	111	11	STC V-1
15	8 3/4	4146 ft	4309 ft	163	19 $\frac{1}{2}$	Smith K-2
16	8 3/4	4309 ft	4494 ft	185	15 3/4	Hughes OSC-1A
17	8 3/4	4494 ft	4542 ft	98	9	Reed YT1A
18	8 3/4	4542 ft	4577 ft	35	6	STC 3JS
19	8 3/4	4577 ft	4960 ft	383	68 $\frac{1}{4}$	STC 3JS
20	8 3/4	4960 ft	5251 ft	291	62 $\frac{1}{2}$	STC 4JS

BASIN PETROLEUM CORP.
RILEY FEDERAL NO. 29-1

SAMPLE DESCRIPTIONS

- 330-40: Quartzite, white, brown-red, medium to coarse grain, hard, tite with milky & smakey chert common, Limestone, white, common
- 340-50: No Sample
- 350-60: Quartzite, purple, vitreous, hard, tite & Limestone, tan & gray, very fine grain, with Chert as above very common.
- 360-70: As above with some coarse grain brown, dirty, shaly Sandstone Chert as above, Limestone, medium gray, fine grain, dense, common
- 370-80: Quartzite pebbles with some Chert & Limestone as above. Sandstone, tan to pink, friable, with frosted rounded to sub-rounded grains
- 380-400: As above with increase in conglomeratic Sandstone, hard, tite, dirty & increase in Chert as above.
- 400-60: No Sample
- 460-500: As above with increase in tan fine grain Limestone
- 500-620: Sandstone, red, silty, fine to medium fine
- 620-50: Sandstone as above becoming coarse grain, friable with rounded to sub-rounded, tan to pink grains, frosted
- 650-80: Sandstone, tan & white, fine to coarse grain as above with some well sotred medium grain Sandstone, with white clay binder. Trace of Limestone, gray, coarse grain
- 680-710: Claystone, pink & Limestone, gray, finely crystalline with some quatrzitic Sandstone, brown-red, as above
- 710-800: Limestone, light gray & white, finely crystalline, & Sandstone, quartzitic, purple brown, fine to medium grain
- 800-30: As above, Shale, yellow & white, bentonitic
- 830-60: Shale, light gray, soft
- 860-90: Shale as above with some Shale with black carbon flecks, laminated in part

- 890-920: Shale, medium gray, soft, bentonitic, with inoceramus prisms with some bright emerald green finely sandy Shale 920-50 (trace) with some medium grain sandy patches with Biotite flecks. Trace of tan, dense crystalline Limestone
- 920-950: Shale, medium gray & dark gray, soft with some Biotite
- 950-980: As above with trace Calcite & trace Limestone
- 980-1040: As above with 1 piece Shale finely pyritic
- 1040-1100: Shale as above with Pyrite clusters, rare
- 1100-1160: Shale, dark gray
- 1160-1190: Shale as above with trace Sandstone, gray, hard, tite fine grain & trace coal.
- 1190-1220: Sandstone, gray, fine grain, silty, dirty, tite, finely glauconitic, salt & pepper, Very calcareous
- 1220-1250: Sandstone as above with trace Sandstone, coarse grain with trace Pyrite, trace Limestone, tan, finely crystalline, trace inoceramus prisms
- 1250-1280: Sandstone & Shale as above
- 1280-1310: As above with some Limestone, mud to dark gray, sucrosic, angular, Pyrite Common
- 1310-1340: As above with some tan, fine grain, silty Sandstone with finely divided Biotite
- 1340-1370: Shale, gray & Shale, pale green, tan, white with some brown shaly Limestone. Trace Sandstone, tan, fine to medium grain, with Shale inclusions bentonitic.
- 1370-1400: Shale as above with some black Shale, with increase in Pyrite with some Sandstone, white, medium coarse grain, tite, with pale blue fluorescence & fast cut 20-25 unit gas show. Fluorescence is 60% of sample
- 1400-1430: As above with increase in Sandstone, gray & white, fine grain, tite, oil show as above. Fluorescence is 50% of sample

- 1430-1460: Sandstone, white & tan, vitreous, medium fine grain & Sandstone, gray, fine grain, tite, silty with Shale as above. Pyrite, common. Fluorescence 10%
- 1460-1470: Shale & Sandstone with 10% fluorescence in Sandstone, gray, fine grain, well sorted with light brown, even Oil stain, fluorescence as above.
- 1470-1490: Shale & Sandstone as above with fluorescence decreasing to trace. Pyrite common. Sandstone is in part laminated with Shale.
- 1490-1500: As above with increase in light gray waxy Shale & trace of Coal.
- 1500-1520: Sandstone, white with medium coarse dark cherty angular, frosted grains with white clay binder with some Shale as above.
- 1520-1540: Shale, dark gray with some Sandstone as above with increase in white Sandstone as above. Shale is fissile
- 1540-1600: Shale, medium dark gray, fissile with trace carbonaceous material.
- 1600-1620: Shale, medium gray, silty with some fine grain white laminated Sandstone
- 1620-1630: Sandstone, white fine grain, hard, tite with some tan & light gray Shale with pale blue white fluorescence in 50% of sample with fast cut. No visible oil stain. Lost circulation 1625
- 1630-1650: Sandstone, white, medium grain, clayey with some white Siltstone & with some large rounded free floating frosted grains with pink & white milky Chert common. Fluorescence as above, decreasing 1630-40
- 1650-1670: Sandstone, white, coarse grain, clayey, silty, dirty with some white silty fine grain Sandstone & with some tan Siltstone. White coarse grain Sandstone has inclusions of black Shale & Chert. Pyrite, rare. Some Fluorescence
- 1670-1680: As above with increase in black Shale.
- 1680-1690: Sandstone, white, fine to medium fine grain, well sorted, finely glauconitic, hard, tite.

- 1690-1700: As above with Pyrite common
- 1700-1750: Conglomerate, gray-white, tite, with gray chert nodules. Pyrite common with some fine grain white, tite, dirty Sandstone, becoming shaly & fine grain, 1710-50
- 1750-1760: Shale, light green & gray with some shale & sandstone as above Pyrite common.
- 1760-1780: Shale, light gray-white, finley sandy, bentonitic
- 1780-1800: Shale as above with some tan fine grain crystalline limestone. Increase in green shale
- 1800-1810: Shale, green, lavender, & gray with some gray, fine grain bentonitic sandstone. Trace of sandstone, fine to medium coarse grain, friable, with free floating grains.
- 1810-1820: Shale, variegated, as above with some tan, finley crystalline limestone, light gray shale is very waxy
- 1820-1830: Shale as above with some laminated medium brown waxy shale. Limestone, white, sucrosic, rare to common
- 1830-1840: Shale as above & sandstone, white, fine to medium coarse grain, becoming conglomeritic in part with gray shale & gray chert nodules. Chert, milky, common. Trace tan limestone
- 1840-1860: Shale, brick-red & sandstone, coarse grain, hard, tite, conglomeritic as above with white clay binder with some free floating large (1 mm) quartz grains.
- 1860-1880: Sandstone, conglomeritic, white as above & shale, very light gray, waxy with some tan & lavender shale.
- 1880-1890: Shale, brown & green with some tan limestone. Shale, lavender, rare. Trace white conglomeritic sandstone as above
- 1890-1900: Shale, as above with increase in white conglomeritic cherty sandstone, coarse grain as above.
- 1900-1930: Shale, dark green, brown, brown-red, gray with some white conglomeritic sandstone as above. Trace of limestone, tan, fine grain, finely crystalline.
- 1930-1940: Shale, red, brown, green with some limestone, brown, sucrosic, coarse grain in part granular with some pale green, finely pyritic, bentonitic shale.

- 1940-1950: Shale, as above with increase in sandstone, white, fine to coarse grain.
- 1950-1960: Shale, green & brick-red, with some brown shale. Trace of sandstone, red, fine grain, hard, tite.
- 1960-1990: Shale, lavender, sandy, in part mottled with some mustaed colored gypsum. Shale, pale green & gray, chert, pink, sharp, rare.
- 1990-2000: Shale as above with some limestone, white, finely crystalline to coarsely granular with some fine grain, white, tite, sharp sandstone
- 2000-2050: Shale as above with increase brick-red shale
- 2050-2140: Shale, brown & green, mottled with some varicolored shale as above
- 2140-50 : Limestone, tan, gray & white, crystalline with some varicolored shale as above
- 2150-2250: Shale, brown & brick-red with some green & gray shale. Some fine grain white, tite sandstone
- 2250-2270: Shale, pale green & light gray with some brown & brick-red shale. Sandstone, white, fine grain, clayey & sandstone, coarse grain, white, conglomeritic, tite, rare
- 2270-2290: Shale, as above & limestone, white gray granular, sandy with limestone, mauve, rare
- 2290-2300: Shale & limestone as above with some coarse grain gray, dirty sandstone
- 2300-2350: Shale, brown & red with increase in green shale, waxy & increase in friable medium to coarse grain sandstone with clear to frosted, sub-rounded to rounded grains & sandstone, pink, bentonitic with limestone, white, sharp, crystalline , rare
- 2350-2360: Shale, varicolored with some green-white sandstone, fine grain, tite. Limestone, brown, crystalline, rare

- 2360-2400: Sandstone, white, medium to medium coarse grain, bentonitic & shale as above bentonitic, pink, sandy, common.
- 2400-2410: Sandstone, white, fine to medium coarse grain, hard, lite.
- 2410-2450: Shale & sandstone as above with sandstone becoming finely glauconitic. Limestone, brown, crystalline, common. Sandstone has brown shale inclusions, becoming coarse grain 2420-30. Brown chert common
- 2450-2490: Shale, green, gray, brown & red with milky & smokey chert common. Brown chert rare.
- 2490-2500: Sandstone, white, friable, medium to coarse grain, cherty, with frosted round to sub-rounded grains with milky & smokey chert. Black chert, rare. Trace of gray limestone crystals
- 2500-2510: Shale, gray & gray-brown with some green & brick-red shale with some chert as above.
- 2510-2520: Shale as above with some light gray crystalline limestone & black very finely crystalline limestone.
- 2520-2530: Shale & limestone as above with some brick-red sandstone & green sandy shale. Large, clear quartz crystals, sub-rounded to angular, common
- 2530-2540: Sandstone, white, fine to medium coarse grain, poorly sorted, with smokey chert inclusions in siliceous matrix with red & green quartz grains & shale, variegated as above. Trace pink, finely sandy limestone
- 2540-2560: Sandstone, white, medium to coarse grain, friable, soft with clear to frosted, rounded to sub-rounded grains with some limestone & shale as above. Sandstone has some pink chert grains & is finely glauconitic
- 2560-2570: Shale, brown & lavender & pale green, finely sandy with some brown dense limestone. Trace green crystalline limestone
- 2570-2590: Sandstone, white, fine to medium grain, friable & shale as above with some tan siltstone 2580-90

- 2590-2610: Siltstone, gray & green-gray with some sandstone & shale as above. Chert common. Increase in limestone, white, dense & limestone, brown, very finely crystalline
- 2610-2620: Sandstone, very fine grain, white, salt & pepper, hard, tite with chert nodules as inclusions with some gray siltstone & light & dark gray crystalline limestone.
- 2620-2640: Sandstone, fine grain, calcareous, hard, tite, vitreous, with some coarse grain gray sandstone with oolites with some shale, gray & gray-green
- 2640-2660: Shale, brick-red, sandy & sandstone, oolitic as above
- 2660-2700: Sandstone as above with some sandstone, coarse grain, calcareous, with red shale inclusions & large dark gray oolites, becoming phosphatic, 2670-2700
- 2700-2720: Sandstone, gray-white, fine to coarse grain, hard, tite. The fine grain sandstone is glauconitic, the coarse grain sandstone is oolitic with white lime matrix
- 2720-2730: Sandstone as above & shale, medium & dark gray, fissile, with trace tan limestone, sandy.
- 2730-2740: Sandstone, fine grain, glauconitic, salt & pepper, hard, tite with trace light brown, fine grain limestone with brick-red slabby shale, common. Shale, black, common.
- 2740-2750: Sandstone & shale as above with increase in light gray & dark gray shale with some black shale
- 2750-2780: Sandstone & shale as above with some white limestone & dark gray shale. Trace of fine grain, tan sandstone. Trace of emerald green sandstone
- 2780-2790: Sandstone, fine grain, gray, salt & pepper. finely glauconitic & sandstone, white, coarse grain with phosphate pellets & with shale inclusions with some dark & light gray shale, fissile. Circulated for 20 minutes for samples at 2755
- 2790-2800: Sandstone as above & shale as above with some red siltstone & trace light gray shale with black carbon flecks
- 2800-2830: Sandstone as above with some gray siltstone. Trace gray coarsely crystalline, glauconitic limestone. Gray shale common

- 2830-2840: Sandstone & shale as above with sandstone, fine grain, red, rare
- 2840-2850: Sandstone as above with some increase in sandstone, fine grain, silty, red.
- 2850-2860: Sandstone, gray & white, glauconitic with some red shale & red siltstone. Trace gray crystalline limestone
- 2860-2910: Sandstone, brick-red, silty & sandstone as above. Trace Pyrite.
- 2910-2930: Sandstone, gray & white as above with some gray shale. Trace light gray siltstone. Trace red sandstone.
- 2930-2940: As above with some brown, finely sandy limestone.
- 2940-2950: Sandstone, gray & white, glauconitic, salt & pepper, tite with some mauve limestone, shaly
- 2950-2980: Shale, brick-red & shale, light gray & green with some red & gray & white sandstone as above
- 2980-3000: Sandstone, white, fine grain, clean with some light gray & black & dark gray & brick-red shale. Trace pyrite. Limestone, white, dense, blocky with some black granular inclusions.
- 3000-3020: Sandstone, red, fine grain & sandstone, medium to coarse grain, friable with clear, rounded grains. Pyrite common. Some gray sandstone as above. Some red to brick-red fissile shale.
- 3020-3030: Shale as above with some gray, glauconitic & phosphatic sandstone. Limestone, white, crystalline, rare to common. Pyrite common
- 3030-3040: Sandstone, gray, phosphatic with some gray-white fine grain glauconitic sandstone. Brick-red shale, common.
- 3040-3050: Sandstone, brick-red, fine grain, silty with some green and gray shale and siltstone. Anhydrite, common. Trace pink chert. Limestone, dark gray, phosphatic, with dark gray nodules, oolitic, rare.
- 3050-3080: Limestone, medium gray, sandy and sandstone, gray-white, glauconitic, with some dark gray nodular limestone with white lime matrix. Siltstone, gray, calcareous, rare. Trace brick-red fine grained sandstone.

- 3080-3100: Siltstone, light gray, calcareous, hard, tite with some brown nodular shale. Trace chert, milky, with sandstone, gray-white, salt & pepper, calcareous, finely glauconitic, tite, fine grain anhydrite common -3090-3100. Some sandstone, red, fine grain, tite. Trace orange chert. Sandstone, white, medium to coarse grain, friable with frosted, round to sub-round grains. Mica flecks, common, gold & clear. Some sandstone, medium grain, gray with dark gray phosphate nodules, calcareous.
- 3100-3110: Sandstone, red, fine grain, tite, silty & shale, light gray, calcareous, with sandstone, gray & gray-white, phosphatic, nodular, with shale, red, silty, grading into siltstone, red, common. Anhydrite, common. Trace limestone white, finely crystalline.
- 3110-3120: As above with increase in anhydrite & with trace sandstone, white, very coarse grain, poorly sorted with angular quartz grains, clear & smokey, vitreous, with pink granules, cemented with silica, tite.
- 3120-3130: As above with increase in siltstone, red, soft.
- 3130-3140: Sandstone, red, fine grain, porous & siltstone, red, as above with shale, light gray & with some sandstone as above. Some sandstone, white, fine grain, soft, with bio-tite flecks
- 3140-3150: As above with some soft, white, shaly sandstone with finely divided biotite flecks. Trace brown sucrosic limestone. Trace green shale & gray-green mottled shale.
- 3150-3160: Siltstone, red & shale, gray & pale green.
- 3160-3170: Sandstone, fine grain, brick-red, hard, tite with some brick-red shale, with some gray shale & gray-green shale.
- 3170-3180: As above with some bright green shale. Trace limestone, medium gray, dense.
- 3180-3200: As above with some sandstone, white, fine grain, with white clay binder
- 3200-3210: Shale, mottled, green-red & shale, brick-red with some gray & gray-green shale.
- 3210-3220: Sandstone, fine grain, friable, tan with some gray-green shale

- 3220-3230: Shale, dark brown, hard, with some gray shale & limestone, white.
- 3230-3250: As above with some sandstone, brown, fine grain 3240-50
- 3250-3260: Sandstone, white fine grain-medium grain, poorly sorted, with white clay binder & with some orange grains. Very pyritic in part.
- 3260-3270: Limestone, medium gray-brown, dense with some maroon shale
- 3270-3280: Shale, pale green, maroon with some white limestone
- 3280-3350: Sandstone, white, fine grain to medium coarse grain with frosted, sub-rounded to rounded grains with some white sandstone with white clay binder, as above
- 3350-3360: Sandstone, fine to medium coarse grain, friable, with clear to frosted grains, rounded to sub-rounded
- 3360-3370: As above with increase in large (1 mm) clear quartz crystals, angular
- 3370-3390: Sandstone, fine grain as above with some orange sandstone, medium grain, porous
- 3390-3400: Sandstone, white, medium coarse grain, friable, Very pyritic
- 3400-3450: Sandstone, white, medium-medium coarse grain with white lime binder. Pyritic in part. Trace limestone, white & limestone, tan 3440-50 with increase in pyrite.
- 3450-3470: Sandstone as above, becoming coarse grain & very pyritic with some medium gray dense limestone. Large quartz crystals, 2 mm, clear, angular 3460-70
- 3470-3530: Sandstone, fine to coarse to very coarse grain, friable, with frosted, rounded to sub-rounded grains, pyritic with some brown & pink grains, very pyritic
- 3530-3550: Sandstone as above & shale, light gray, bentonitic
- 3550-3560: Limestone, white, chalky, soft.
- 3560-3570: No Sample

- 3570-3600: Shale, light gray & green with some gray bentonitic shale as above & limestone, white, chalky. Trace white-tan fine grain, tite sandstone with some maroon & green shale.
- 3600-3610: Sandstone, white, fine grain, bentonitic with some shale as above.
- 3610-3650: Shale, pale gray-green, gray, brown with some white siltstone. Some laminated gray shale.
- 3650-3700: Shale as above with some fine grain, bentonitic sandstone. Shale, black, carbon, soft. Trace yellow-white mottled limestone. Pyrite, common. Increase in sandstone, medium coarse grain 3690-3700
- 3700-3710: Sandstone, medium to coarse grain, with clear, rounded grains, friable.
- 3710-3730: Sandstone, white, medium coarse grain, hard, tite with pyrite very common. Some shale as above. Trace white gouge material 3720-30
- 3730-3740: No Sample
- 3740-3750: As above with some white siltstone. Some shale as above
- 3750-3760: Sandstone, medium to medium coarse grain, friable, very pyritic with rounded, clear grains. Trace dark brown limestone. Some gray & green & maroon shale as above
- 3760-3770: Shale, brick-red, silty with some green-gray shale as above. Trace brown limestone. Some tan coarse grain sandstone. Pyrite, very common.
- 3770-3780: Sandstone, tan, medium grain, in part pyritic & shale, brown, brick-red, maroon with green mottlings, pyrite common.
- 3780-3790: Sandstone as above & shale as above with some gray-green siltstone. Pyrite, very common.
- 3790-3800: Sandstone, orange, fine grain, tite & white, medium grain with shale as above. Some bright green shale. Trace white limestone, finely crystalline.

- 3800-3840: Shale, brown, brick-red, green-red, mottled & pale green with some gray-black silty shale. Some sandstone, white, medium grain As above. Trace white limestone, soft.
- 3840-3850: Sandstone, tan, medium grain, soft with some white & gray sandstone, fine grain, pyritic.
- 3850-3860: Shale, medium gray, fissile, brown, slabby & maroon with some sandstone as above. Limestone, tan, fine grain, rare. Shale, green, common. Pyrite, rare to common. Black chert, rare.
- 3860-3870: Sandstone, white, fine grain, clear, friable, with increase in white chalky limestone.
- 3870-3880: Sandstone, tan & white as above & shale as above. Trace limestone, gray, sandy, crystalline, bentonitic, pale green with biotite flecks
- 3880-3890: Sandstone, tan, medium grain & sandstone, fine to coarse grain, friable with rounded to sub-rounded frosted grains with some orange grains. Pyrite, rare to common. White, chalky limestone common
- 3890-3920: Sandstone, tan, medium grain, calcareous, well sorted, porous with increase in white gouge material. Some tan, medium coarse grain sandstone
- 3920-3930: Sandstone as above with increase in sandstone, white, fine grain, pyritic
- 3930-3950: Sandstone, tan, calcareous, medium grain, well sorted
- 3950-4020: Sandstone as above, in part grading into sandy limestone, hard, tite. Trace tan limestone, dense
- 4020-4030: Sandstone as above & shale, maroon, waxy & brown with some green shale.
- 4030-4040: Shale, brick-red, silty, green, brown & gray with some white siltstone
- 4040-4050: Shale, brick-red & brown

- 4050-4060: Shale, brown, brick-red with some green & red-green mottled shale. Limestone, tan, blacky, dense, rare.
- 4060-4070: Shale as above & sandstone, red, fine grain with some tan, medium grain sandstone. Shale, soft, pale green, rare
- 4070-4080: Sandstone, tan, medium grain & siltstone, brick-red with some shale as above
- 4080-4100: Shale, pale green-gray, waxy & sandstone, red, fine grain with some red siltstone. Lavender shale 4090-4100 common. Some brown blacky shale. Siltstone, gray-black, rare.
- 4100-4120: Sandstone, red, fine grain & sandstone, tan, medium fine grain. Limestone, brown, sucrosic, common.
- 4120-4130: Sandstone as above with increase in green waxy shale & light gray silty shale. Shale, varicolored to 50%
- 4130-4140: Sandstone, very fine grain, red-tan & siltstone, red & shale as above. Limestone gray-brown, finely crystalline, rare. Some sandstone, white, medium grain, calcareous. Trace white siltstone with carbon material, soft.
- 4140-4150: Siltstone, medium brown, calcareous, sandstone, red, fine grain, silty & shale, pale green, silty with trace limestone, green, coarsely sandy. Black & gray shale, rare
- 4150-4160: Shale, red & deep brick-red & shale, yellow, soft, calcareous
- 4160-4180: Shale, yellow, calcareous as above
- 4180-4190: Shale, yellow & siltstone, red, calcareous with some green shale. Limestone, white, sharp, crystalline, common. Few large clear, angular quartz crystals, 1-2 mm.
- 4190-4200: Shale, yellow & red with some tan siltstone, grading into fine grain sandstone, calcareous. Limestone, brown & white, sandy, rare. Some white limestone
- 4200-4220: Shale, light chocolate brown, silty & shale, yellow & limestone, tan, crystalline with trace yellow limestone. Shale, white & red, mottled, rare. Pyrite, rare.
- 4220-4230: Shale, black & dark gray-black with some gray to gray-green, fine grain, calcareous, tite, sharp sandstone. Trace black chert.

- 4230-4240: Sandstone, white, medium grain, quartzic, well sorted with white gouge material with black slickensiding (?). Shale, lavender-brown, common. Some sandstone, coarse grain with large, clear, rounded grains, friable, free floating
- 4240-4260: Sandstone as above & shale, lavender-brown with some white gouge material. Some tan, medium grain sandstone
4250-4260
- 4260-4270: Sandstone, coarse grain, friable with angular grains, clear to frosted with some round grains. Chert, gray, rare. Sandstone, white, medium grain, porous, well sorted. Trace brown fissile shale.
- 4270-4280: Sandstone as above & shale, brown, waxy & green, waxy with some brick-red sandy shale
- 4280-4290: Sandstone, white, fine grain, hard, tite, vitreous with some brick-red shale & siltstone.
- 4290-4300: As above with some sandstone, tan-red, medium coarse grain sandstone. Brick-red shale, soft, common
- 4300-4310: Shale, yellow, green, Black, Red
- 4310-4340: Shale, brick-red & siltstone, brick-red, shaley with some mottled green-red shale.
- 4340-4350: Sandstone, brick-red, shaley, tite, fine grain
- 4350-4360: Siltstone, brick-red, finely sandy & shale, red
- 4360-4370: Shale, brick-red with some green shale
- 4370-4390: Shale as above with some sandstone, fine grain, lavender-gray, rare with trace white gypsum
- 4390-4490: Siltstone & sandstone & shale as above
- 4490-4500: Sandstone, fine grain, brick-red, micaceous & siltstone, brick-red, shaley with some purple shale & trace green-gray shale with red mottled color

- 4500-4510: Limestone, brown, sandy, micaceous & shale, brick-red waxy with some red siltstone & sandstone as above. Trace macro crystalline fossil shell & trace limestone, white, coarsely sandy. Pyrite, rare
- 4510-4520: As above with increase in purple sandy shale. Trace white, crystalline limestone
- 4520-4530: Limestone, white, tabular to slabby, laminated, coarsely sandy with some gray, finely crystalline slabby limestone. Red shale & siltstone as above, common. Trace white & brown limestone
- 4530-4550: Shale, brick-red & sandstone, brick-red, fine grain with some limestone & with yellow shale, common.
- 4550-4560: Sandstone, tan & white, micaceous, hard, tite, quartzite, fine grain & shale, red, silty to sandy with some maroon shale & yellow shale.
- 4560-4570: Siltstone, brick-red, calcareous with some white sandstone as above.
- 4570-4580: Siltstone, as above & shale, light green-gray & yellow with some green & black shale
- 4580-4590: Shale, brick-red, micaceous, & siltstone as above. Trace white, crystalline limestone
- 4590-4600: Siltstone, brick-red with biotite flecks, grading into fine grain, silty, tite sandstone
- 4600-4640: As above with increase in bright green shale. Trace tan & white crystalline limestone
- 4640-4650: Shale, brick-red with some siltstone as above. Limestone, white, crystalline, common
- 4650-4690: Siltstone as above & siltstone, tan with some maroon, micaceous shale
- 4690-4700: No Sample
- 4700-4730: Shale & siltstone as above
- 4730-4740: Shale, red, yellow & limestone, white, fine grain, dense.

- 4740-4760: Shale, dark red with some green & maroon shale. Increase in yellow shale
- 4760-4770: Shale, mustard-yellow with some brick-red shale
- 4770-4790: Shale, medium gray & light gray, fissile & shale, brick-red with some red siltstone. White, dense limestone, rare. Yellow shale, rare. Trace shale, mottled, sandy, maroon & yellow.
- 4790-4800: Siltstone, brick-red, dolomitic & shale, red
- 4800-4810: Siltstone, brown & red, dolomitic & siltstone, pale green, finely micaceous. Limestone, gray-white, sandy, rare. Limestone, white, dense, common.
- 4810-4840: Shale, brick-red, waxy with some siltstone & shale as above. Limestone, gray-white, finely sandy, common.
- 4840-4850: Shale, green-gray, waxy with some friable, fine to medium grain sandstone
- 4850-4860: Shale, gray-green, brick-red, waxy with some red micaceous siltstone
- 4860-4870: Siltstone, brick-red & limestone, white, dense. Trace limestone, white, pyritic
- 4870-4880: Limestone, white-tan, coarsely granular, dolomitic, glauconitic in part, finely pyritic in part with some white crystalline limestone. Green shale, common.
- 4880-4890: Dolomite, white, oolitic, finely glauconitic, in part finely crystalline with disseminated dead oil stain & black hydrocarbon, dull yellow fluorescence. Dolomite grades into chalky limestone.
- 4890-4900: Dolomite as above with anhydrite, common, angular with some increase in dead oil stain. Increase in pyrite to common. Some large calcite crystals. Dolomite is finely glauconitic in part
- 4900-4910: As above with marked increase in dead oil staining finely disseminated giving salt & pepper appearance
- 4910-4920: Dolomite, finely crystalline, finely glauconitic, in part dense, finely pyritic with some dead oil stain as above

- 4920-4930: Dolomite, white, fine to coarsely granular, glauconitic with some light tan sucrosic dolomite. Limestone with trace dead oil stain.
- 4930-4940: Siltstone, white, finely crystalline, dolomitic to shaley with dead oil stain, grading into very fine grain dolomite. Sandstone with some dead oil stain.
- 4940-4950: Dolomite, white with glauconite giving green, marbled appearance, dense with pale green, dense dolomite, common
- 4950-4960: Dolomite, white, chalky to dense, finely pyritic. Trace brown-gray, fine to medium grain sandstone with lime binder
- 4960-4970: Shale, medium gray, soft with some pale lavender gray shale
- 4970-4980: Siltstone, dolomitic with light tan oil stain with black hydrocarbon flecks with yellow fluorescence, instantaneous cut with pale yellow ring on spot plate. Some white crystalline limestone.
- 4980-4990: Limestone, medium dark gray, sucrosic, in part oolitic, in part crystalline with some white dense limestone
- 4990-5000: Sandstone, white, fine grain, well sorted, tite with trace porosity with light tan oil stain with yellow fluorescence & streaming yellow cut. Some large sub-rounded, frosted quartz crystals & much coarse grain sandstone, friable, rounded to sub-rounded, frosted, with some clear grains
- 5000-5010: Sandstone, white, medium fine grain, friable, porous with some gray-white, medium grain crystalline sandstone, well sorted with some friable, coarse grain sandstone as above with some tan, crystalline dolomite. Pyrite, common. Trace milky chert. Shale, red, common. Trace chocolate brown shale
- 5010-5020: Sandstone, white as above with siltstone, 10% with yellow fluorescence & instantaneous cut. Some red shale with some light gray shale. Trace gray crystalline dolomite
- 5020-5030: Sandstone, white, medium fine grain with light brown-tan oil stain, yellow fluorescence, instantaneous cut. Pyrite, common.
- 5030-5040: Sandstone, white, fine grain, hard, tite & sandstone, coarse grain, porous with light tan oil with instantaneous cut & yellow fluorescence. Chocolate shale, common. Medium gray shale, common

- 5040 - Circulated 30 minutes. Sandstone, fine to coarse grain, friable, as above
- 5040 - Circulated 60 minutes. Siltstone, milky, white, coarsely sandy, tite.
- 5040-5050: Sandstone, fine to medium grain, white, friable, loose grains, unconsolidated with rounded to sub-rounded, frosted grains
- 5050-5060: Shale, medium gray, soft, clayey. Pyrite, rare
- 5060-5070: Shale as above & shale, gray-green, waxy with some gray-maroon mottled shale. Trace mustard shale
- 5070-5080: Shale, dark gray, fissile with some siltstone, gray-white
- 5080-5090: Shale as above & shale, varicolored, green, brown, red, lavender, mustard. Anhydrite, rare. Some coarse grain, clear quartz crystals, free floating.
- 5090-5100: Shale, light gray & siltstone, pale green-gray with some soft, waxy shale. Sandstone, loose, friable, medium to coarse grain as above, very common. Trace white gypsum.
- 5100-5110: Shale, varicolored, red, brown, lavender, gray, white with trace white siltstone with chert nodules. Some pale green shale. Trace orange siltstone, soft. Trace white, shaley, fine grain sandstone
- 5110-5130: Shale as above with some yellow shale. Increase in loose, friable, coarse grain sandstone as above with clear to frosted, sub-rounded to angular grains. Frosted grains are well rounded, clear grains are angular. Trace pale green siltstone with spotty black oil stain
- 5130-5140: Sandstone & shale as above with increase in pyrite, Increase in gypsum.
- 5140-5150: Sandstone, white, friable, fine to coarse grain with frosted, sub-rounded grains & with clear angular grains. Some white chalk.

- 5150-5190: Sandstone, white, fine grain, well sorted, clean with some tite, fine grain sandstone. White clay material, common.
- 5190-5220: Sandstone as above becoming very fine grain & grading in part into siltstone
- 5220-5250: Sandstone, white, fine to medium grain, sucrosic, tite with rounded to sub-rounded grains. Some white, very fine grain sandstone grading into siltstone. Some coarse grain, friable sandstone.

T.D. 5251

Samples Described By Robert E Covington
Certified Professional Geologist #1705
Vernal, Utah February 22, 1972

Drill Stem Tests

Drill Stem Test No. 1

Interval 1350-1470

Initial Open 15 minutes, weak blow

ISI: 1 hr. Open 1 hr. FSI 1 hr.

Opened with weak blow. Died in 10 minutes.

Recovered 30 ft. of drilling mud.

IHH; 731, IF 34, ISI 145, 2nd flow 34, 2nd shut in 45

FF 45, FSI 51, FHH 731, BHT 88 degrees F.

Drill Stem Test NO. 2

Interval 3090-3138

Open 15 minutes, weak blow, died 10 minutes

SI 30 minutes, open 15 minutes, no blow, SI 15 minutes.

Recovered 10 ft. of drilling mud.

IHH 1510, IF 14, ISI 14, FF 14, FSI 14, FHH 1510

Passer Per

35	20E
	res 29.

MSGG: 20/72

Prof. Water 4982-84

CIBP - 4955
Fresh Water

Ph. Low Phosphorus - 4928-35
Fresh Water

CIBP - 4915

Per Upper Phosphorus - 4875-4905
Fresh Water

Good Pond
along rd to 4300

Cement to 3050

DVT @ 3202
↳ 2900 ft in Cement, to surface.

CIBP - ~ 1900' Prof. Test
Lakota - 1688-90
8 no 8 - 35 no exp
Passer equal at top
well maha etc.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.

14

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 P & A

2. NAME OF OPERATOR
BASIN PETROLEUM CORP. of New York

3. ADDRESS OF OPERATOR
900 Fidelity Plaza - Oklahoma City, Oklahoma 73102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1708' FWL & 660' FSL of Section
At top prod. interval reported below Weber Sand
At total depth 5251'

14. PERMIT NO. API No. 43-047-30114 DATE ISSUED 12-9-71

12. COUNTY OR PARISH Uintah 13. STATE Utah

5. LEASE DESIGNATION AND SERIAL NO. U-6663

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME RILEY-FEDERAL

9. WELL NO. 29-1

10. FIELD AND POOL, OR WILDCAT Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 29-T3S-R20E SLB&M

15. DATE SPUDED 12-28-71 16. DATE T.D. REACHED 2-12-72 17. DATE COMPL. (Ready to prod.) P&A 6-21-72 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 8520' GL 8533.8' KBM 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5251' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → surf to TD 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry & Abandoned 25. WAS DIRECTIONAL SURVEY MADE yes

26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger - Dual Induction; Laterolog; Compensation Density Log; Compensated Neutron & Density w/Gamma Ray; 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
13-3/8"	48#	596'	17-1/2"	750 sks	none
4-1/2"	10.5# & 9.5#	5200'	8-3/4"	480 sks	none

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)

4982-4984' - Weber
4928-4935' - Phosphoria
4875-4905' - Phosphoria
1688-1699' - Dakota

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Plugged & Abandoned as follows: 25 sks cmt. between 13-3/8" & 4-1/2"; 15sk plug below 4-1/2" pipe; 35 sk plug in pipe and 4' x 4-1/2" welded plate on top.	

33.* PRODUCTION

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

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

SIGNED Gene K. Lawson TITLE Production Engineer DATE June 26, 1972

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

INSTRUCTIONS

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

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

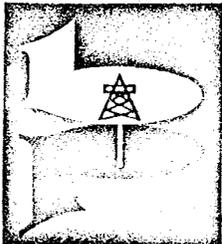
Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Duchesne River	620	640	light oil stain & fluor. no test	Base of Duchene River & Top Man-	820	820
Frontier sand	1345	1415	dark oil stain & fluor. DST #1 1350-1470 open 1-1/4 hrs. Rec. 30' drlg. mud Flow pressures, Initial 15 mins 34#; Final 1 hr. 45#; ISI 145#/1 hr. FSI 51#/1 hr.	cos Frontier Mowry Dakota Morrison Curtis Entrada Carmel Navajo Chinle	1245 1445 1598 1710 2610 2780 3035 3140 4020	1245 1445 1598 1710 2610 2780 3035 3140 4020
Dakota Sd.	1688	1697	Perf. 1688-96 Acidized swabbed dry	Shinapomp	4230	4230
Carmel Sd.	3109	3120	S1 stain & gas kick DST #2 3090-3138 Rec. 10' drlg. mud Flow pressures: Initial 14#/15 mins Final 14#/15 mins.	Mdenkopi	4285	4285
Phosphoria Dolomite	4885	4920	Oil stain -- perfs. 4874-4902 swabbed fresh water.	Phosphoria	4865	4865
Phosphoria Dolomite	4920	4960	Oil stain - Perf. 4928-4935 swabbed fresh water	Weber Sand	4988	4988
Weber Sand	4988	4995	Light stain & fluor - Perf. 4982-4986 swabbed fresh water.			

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

FEB 13 1973



BASIN PETROLEUM CORP.

900 FIDELITY PLAZA • AC 405 235-9461 • OKLAHOMA CITY, OKLAHOMA 73102

July 7, 1972

RE: BASIN-Riley-Federal #29-1
SE SW Section 29-3S-20E S1M
Uintah County Utah
Lease U 6663

U. S. Department of the Interior
Geological Survey
Branch of Oil & Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

Attention: Mr. Gerald R. Daniels

Gentlemen:

We enclose herewith two copies of your Form 9-330 for the above referenced well that we have recently plugged and abandoned.

We also enclose two copies of each of the electric logs run on subject well.

Yours very truly,

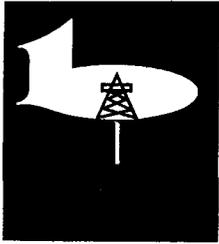
BASIN PETROLEUM CORP.

Gene K. Lawson
Production Engineer

/ml
Enclosures as stated

cc: Utah Oil & Gas Division
1588 West North Temple
Salt Lake City, Utah

84166



BASIN PETROLEUM CORP.

900 FIDELITY PLAZA • AC 405 235-9461 • OKLAHOMA CITY, OKLAHOMA 73102

July 7, 1972

RE: BASIN-Riley-Federal #29-1
SE SW Section 29-3S-20E SIM
Uintah County Utah
Lease U 6663

Utah Oil & Gas Division
1588 West North Temple
Salt Lake City, Utah
84166

Gentlemen:

With reference to the above referenced well, we enclose two copies of Federal Form 9-330. This well was drilled in February 1972 but we did not attempt completion operations until last month.

The well has not been plugged and abandoned.

We also enclose two complete sets of electric logs on subject well.

Yours very truly,

BASIN PETROLEUM CORP.

Gene K. Lawson
Production Engineer

/ml
Enclosures as stated

cc: U. S. Department of the Interior
8416 Federal Building
Salt Lake City, Utah 84111

RECEIVED

FEB - 5 1973

BASIN PETR. CORP.

*Gene
Please handle
CAB*

February 1, 1973

BASIN PETR. CORP.

FEB - 5 1973

RECEIVED

Basin Petroleum Corporation
545 First National Bank Bldg.
Oklahoma City, Oklahoma 73102

Re: Riley Federal No. 29-1
Lease No. U-6663
Uintah County, Utah

Sirs:

Mr. Paul E. Riley has requested me to write you in his behalf regarding the above captioned well.

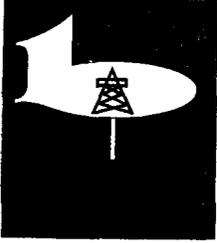
Mr. Riley has just received a bill in the amount of \$100.00 for the year 1973 from the bonding company, Harlan, Incorporated, Room 403, Guarantee Bank Building, Denver, Colorado 80202. They state that the bond cannot be terminated until the location is checked and a subsequent Report of Abandonment is filed with the B.L.M.

Mr. Riley would appreciate it if you would contact the U.S.G.S. to have the location checked and the proper papers filed so the Bond #1764715 can be cancelled as soon as possible.

Very truly yours,

Bernice M. Peckler

Bernice M. Peckler
(Mrs. Robert K.)
3026 So. Joslin Ct.
Denver, Colorado 80227



BASIN PETROLEUM CORP.

900 FIDELITY PLAZA • AC 405 235-9461 • OKLAHOMA CITY, OKLAHOMA 73102

February 7, 1973

RE: Basin-Riley-Federal #29-1
SE SW Section 29-3S-20E SLM
Uintah County Utah
Lease U-6663

Utah Oil & Gas Division
1588 West North Temple
Salt Lake City, Utah 84166

Attention: Mr. Paul W. Burchell

Gentlemen:

We direct your attention to the enclosed letter received in the Basin Petroleum Corp. office from Mrs. Robert K. Peckler requesting information on the above captioned lease.

Basin Petroleum Corp. plugged the Riley-Federal No. 29-1 well on June 21, 1972 with required marker and mailed to your office on July 7, 1972 two copies of your Form 9-330 along with electric logs run on subject well. Our office never received in writing disapproval or approval of the plugging of the well. Copies of the Form 9-330 were also sent to the U. S. Department of Interior.

Am enclosing a copy of Form 9-330 previously submitted to you. Would you please advise if additional information is required so that liability under the bond can be formally terminated.

Yours very truly,

BASIN PETROLEUM CORP.

Gene K. Lawson
Production Engineer

GKL:ml

Enclosures as stated

cc: U. S. Department of the Interior
Salt Lake City, Utah

Mrs. Robert K. Peckler
Denver Colorado



PZ 016

CALVIN L. RAMPTON
Governor

OIL & GAS CONSERVATION BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

1588 WEST NORTH TEMPLE
SALT LAKE CITY, UTAH 84116
328-5771

~~DELBERT M. DRAPER, JR.~~
~~Chairman~~

CHARLES R. HENDERSON
ROBERT R. NORMAN
GUY N. CARDON
EVART J. JENSEN
JAMES P. COWLEY

February 14, 1973

Basin Petroleum Corporation
900 Fidelity Plaza
Oklahoma City, Oklahoma 73102

Re: Basin-Riley-Federal #29-1
Sec. 29, T. 3 S, R. 20 E,
Uintah County, Utah

Dear Mr. Lawson:

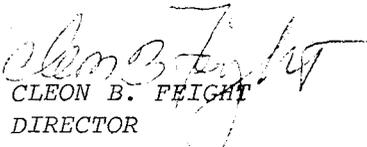
Insofar as our Division is concerned, final approval of the above referred to location can only be given by the U.S. Geological Survey. However, the U.S. Geological Survey normally requires an "on the well site" inspection before relinquishing liability.

As you can see from the enclosed Memo, dated July 17, 1972, the well site had not been approved and no further checks have been made by this office.

I am sorry we cannot be of any further help in this matter.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION


CLEON B. FEIGHT
DIRECTOR

CBF:CK

cc: U.S. Geological Survey

Enclosure

Branch of Oil and Gas Operations
8416 Federal Building
Salt Lake City, Utah 84111

February 21, 1973

Mr. Gene K. Lawson
Basin Petroleum Corporation
900 Fidelity Plaza
Oklahoma City, Oklahoma 73102

Re: Well No. 29-1 Basin Riley Fed.
SE $\frac{1}{2}$ SW $\frac{1}{2}$ sec. 29-3S-20E, SLM
Uintah County, Utah
Lease U 6663

Dear Mr. Lawson:

We received your letter of February 7, 1973, concerning final approval of the abandonment of the referenced well.

Please send a Subsequent Report of Abandonment, form 9-331, blanks enclosed. We will inspect the location as soon as weather and time permit after which we will either approve the abandonment or advise you of any additional work that should be done.

Sincerely,

(ORIG. SGD.) G. R. DANIELS

Gerald R. Daniels,
District Engineer

cc: Div. O&G Cons. ✓
BLM, Vernal